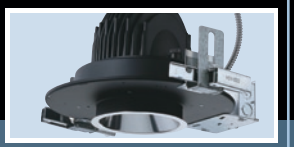
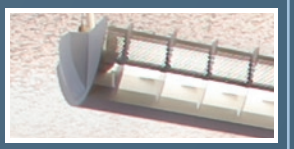
LITHONIA LIGHTING®





PRODUCT SELECTION GUIDE
EDITION 9











gotham® PEERLESS® SPECLIGHT. ANTIQUE Street Lamps™ HYDREL®

AcuityBrands. Lighting

LITHONIA LIGHTING®

gotham®

PEERLESS®

SPECLIGHT

ANTIQUE Street Lamps™

HYDREL®

Serving your lighting needs
is what we're all about . . .
count on us to deliver.

As the **recognized leader** in the lighting industry, it is our mission to deliver consistently superior value to our customers and their clients. This commitment permeates everything we do, driving us to continuously develop and improve our products and the processes to fulfill your need for quality lighting solutions.

Our commitment to superior lighting solutions begins with the industry's strongest portfolio of **quality products**. Within our family of leading brands, you will find unequaled breadth of product to meet a wide variety of indoor and outdoor lighting needs in commercial, industrial, institutional and residential applications. At the heart of our new product development is a steadfast commitment to the development and application of innovative, new lighting technologies that improve lighting quality, improve lighting economics and enhance the overall environment through reduced energy consumption.

Our long-standing resolve is to provide **superior service** to our customers before and after the sale. From product selection and specification through product delivery and beyond, we are committed to providing the systems, tools and capabilities that deliver product and information when you need them. Simply put, our organization strives to be **easy to do business with** in everything we do.

Our people are committed to applying their unrivaled **experience and lighting expertise** to enhancing the overall customer experience. Combining that capability with the strength of our industry-leading agency sales force, you can count on us to support you for all your lighting needs.

Leadership That Delivers

PRODUCT SELECTION GUIDE
BRANDS

Lithonia Lighting is North America's leading brand of lighting equipment for commercial, industrial, institutional and residential applications. We offer the industry's broadest line of quality products combined with a steadfast commitment to being easy to do business with. Preferred by more professionals and end users, Lithonia Lighting is the Best Value in Lighting.

INDOOR OUTDOOR SYSTEMS

www.lithonia.com

From its origin in New York City in 1938, the Gotham brand features a portfolio of architectural downlighting products that enhance the appearance of modern spaces. The company's focus on architectural integration, optical performance, reliability and innovation made Gotham one of the most respected names in architectural downlighting.

INDOOR

www.gothamlighting.com

Peerless luminaires please the senses and complement the surrounding architecture with elegantly proportioned, tastefully detailed forms, using advanced materials and manufacturing techniques to set the standard for fit, finish and construction quality. An array of singular designs merge with high-performance optics to form the industry's leading line of suspended indirect and direct architectural fluorescent lighting.

INDOOR

www.peerless-lighting.com

Specialty fluorescent luminaires for commercial, industrial and institutional facilities featuring the latest in lamp and ballast technology and high-performance optics. Custom and modified product capability manufactured with CNC machinery to meet the most discriminating specification. What can we build for you?

INDOOR

www.speclightsolutions.com

Antique Street Lamps offers the largest array of outdoor decorative lighting products available in the market today, in both period and contemporary designs. Products include historically styled lighting posts, post top luminaires, Eurotique® contemporary posts and fixtures, roadway and traffic signal posts, and bollards and accessories.

OUTDOOR

www.antiquestreetlamps.com

Hydrel is the industry's premier brand of architectural landscape lighting products, offering a comprehensive line of high quality outdoor luminaires for flood, site, accent, border, underwater and in-grade lighting applications. Hydrel's lighting solutions are driven by advanced engineering and a variety of optical distributions.

OUTDOOR

www.hydrel.com

PRODUCT SELECTION GUIDE
SECTIONS

INDOOR LIGHTING PRODUCTS

INTRODUCTION	10
LITHONIA FLUORESCENT	20
SPECLIGHT	118
PEERLESS LIGHTING	128
LITHONIA DECORATIVE FLUORESCENT	178
GOTHAM	202
LITHONIA DOWNLIGHTING	272
LITHONIA RESIDENTIAL RECESSED	296
LITHONIA TRACK	324
LITHONIA INDOOR HID	346
LITHONIA ROUGH SERVICE	398
LITHONIA EMERGENCY SYSTEMS	420

OUTDOOR LIGHTING PRODUCTS

LITHONIA OUTDOOR	468
ANTIQUE STREET LAMPS/EUROTIQUE	580
HYDREL	592

LIGHTING AND BUILDING SYSTEMS

LITHONIA CONTROL SYSTEMS	652
LITHONIA RELOC WIRING SYSTEMS	682

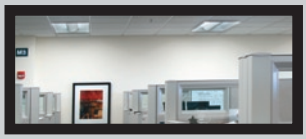
TECHNICAL INFORMATION

LAMPS AND BALLASTS	706
TECHNICAL AND DESIGN CONSIDERATIONS	723

PRODUCT SELECTION GUIDE
CONTENTS

Lithonia Fluorescent

INDOOR LIGHTING PRODUCTS



INTRODUCTION 20

Volumetric Lighting
- ✱ **RT5** 24
- ✱ **RT5X** 25

Architectural Lighting
Avante 2'x2' 28
Avante 2'x4' 29
Avante Side-Mount Diffuser 30
Avante 1'x2' and 1'x4' Symmetric 32
Avante 1'x2' and 1'x4' Asymmetric 33
Avante Surface Suspended 34
Avante Sconces 36
WW Perceiva Linear Wallwash 37
RP Recessed Perimeter System 38
NAT/CNAT Narrow Aperture 39

Parabolics
Optimax Light Control System 40
PMO Optimax 41
9PMO Optimax, 9" wide 42
2PM3N Paramax, 3" louvers 43
PM3 Paramax, 3" louvers 44
PM4 Paramax, 4" louvers 45
PM2 Paramax, 2" louvers 46
HPM3 Paramax, 1'x4' 47

Lensed Troffers
SP8 Static T8 48
SP Air Handling 49
SP Small-Cell Louvers 50
GT8 Static T8 51

Surface Commercials
PM0X Surface Mounted Optimax 52
PM3X Surface Mounted Optimax 53
M Modular Commercials 54
EC Coffered Ceiling 55
AW Architectural Wraparounds 56
CA Corridor Acrylic Wraparounds 57
LB Low-Profile Wraparounds 58
CB Corridor Wraparounds 59
SB Square-Basket Wraparounds 60
CS Corridor Square-Basket Wraparounds 61
CLM Classmate Wraparounds 62
VC Injection-Molded Wraparounds 63
N2S Finesse Undercabinet 64
2UC All-Purpose Undercabinet 65
UC Low-Profile Undercabinet 65
UC8 All-Purpose Undercabinet 66
TTL Twin Task Lights 66
WP Commercial 67
WC All-Purpose 68
WS Steel 69
W Contemporary 70
WB Commercial 71
WM Medical 71

Fluorescent High Bays
- ✱ **I-BEAM** High Ambient Fluorescent High Bay 74
- ✱ **SPEC-BEAM** Specification High Bay 75
MS5HB/MS8 Shielded High Bay 76
- ✱ **FAL** Aisle Lighter 77
MS5 Low-Profile T5/T5HO 78

Striplights
S Standard Striplights 80
C General-Purpose Channels 81
UNS/UND/UN Heavy-Duty Channels 82
RR/CRR/CCRRS Recessed Row 83
SM Side-Mount Strips 84
SS Staggered Strips 85
SST Telescoping Staggered Strips 85

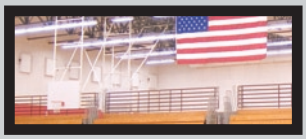
Industrials
AF Heavy-Duty Turret Industrials 86
AFP Heavy-Duty Industrials 87
EJS/ESD/EJ General Purpose Industrials 88
L/LA Standard Industrials 89
PV Parabolic Industrials 90
DM/DMW Fiberglass Enclosed 91
DMS/DMSW Steel Enclosed 92
EIS/EFS Special Environments 93
EFT High-Pressure Hosedown 94
WRT Wet Location Troffer 95
SRT IntegraSeal Troffers, ISO7/8 96
SRH IntegraSeal Troffers, ISO5/6 97
SSH IntegraSeal Surface, ISO5/6 98
STP IntegraSeal Surface, ISO4/5 99

Rough Service
VSL/VSLC Surface Enclosed 100
VW/VWC Wraparounds 101
VRS Modular Commercials 102
VRT Recessed Troffers 103
VRI Industrials 104
VDC/VDS Corner/Surface Mount 105

Options and Accessories
Troffers 106
Commercials 112
Strips & Industrials 113
Plug-ins 114
Prewires 115
Ballast Options 116
Emergency Options 116
Packaging 116
Wireguards 117
Hangers 117
Staggered Strip Applications 117

SpecLight

INDOOR LIGHTING PRODUCTS



INTRODUCTION 118

Gymnasium High Bay
- ✱ **FBG** Gymnasium High Bay 120

Induction
- ✱ **FIB/FIL** Induction High Bay/Low Bay 121

Cold Storage
- ✱ **FFB** Cold Storage Luminaire 122

High Efficiency Strip
FPI Premium Industrial 123

Induction
- ✱ **FIA** Induction Recessed, Surface, or Wall 124

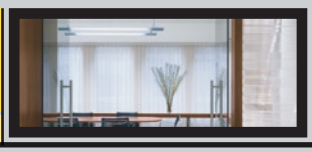
Heavy-Duty Unibody Industrial
FTS/FHI Narrow, Medium Unibody High Bay 125

Parking Garage Luminaire
- ✱ **FPG** Parking Garage Luminaire 126

Architectural Recessed Indirect
FRA/FRC/FRS Architectural 127

Peerless

INDOOR LIGHTING PRODUCTS



INTRODUCTION 128

Lightfoil
Lightfoil 2 Wall Mount 132
Lightfoil 3 Wall Mount 133

Lightline
Lightline Wall Wash 134
Lightline Symmetric Recessed 135
- ✱ Lightline Asymmetric 136
Lightline Suspended 137

Parallels
- ✱ Parallels Recessed 138

Lightedge
Lightedge Angular 139
Lightedge Angular Wall 140
Lightedge Curved 141
Lightedge Curved Wall 142
Lightedge Angular I/D 143
Lightedge Curved I/D 144
Lightedge Curved & Angular Wall I/D 145
Lightedge Rectangular 146

✱ INDICATES NEW PRODUCT

PRODUCT SELECTION GUIDE
CONTENTS

Lightedge Rectangular Wall 147

Mirage
Mirage Rounded 148

Lightfin
Lightfin Angular 149
Lightfin Wall Angular 150

Lightduct
Lightduct Rounded 151
Lightduct Wall Rounded 152

Envision
Envision Rounded 153
Envision I/D Rounded 154
Envision Wall Rounded 155
Envision Cove 156

LD6
LD6 6" Round 157

LD9
LD9 9" Round 158

Cerra
Cerra 7 160
Cerra 10 161
Cerra ID 162
Cerra Lightvent 163
Cerra Accessories 164
Cerra Wall 165

Cerra Baffle
Cerra Baffle 166
Cerra Baffle Wall 167

Cerra Direct
Cerra Direct 168
Cerra Direct Diffused 169
Cerra Direct Accents 170

Peerlite Aero
Peerlite Aero 171

Enzo
Enzo 172

Prima
Prima ID 174

HOT-5 Cove
HOT-5 175

Installation Guide
Installation Guide 176

Lithonia Decorative Fluorescent



INDOOR LIGHTING PRODUCTS

INTRODUCTION 178

Ceiling Mount
Sheffield 180
Saturn/Pristine 181
Meloe 182
Cosmos 182
Acorn/Tulip/Lily 183
Diveli 184
Illunic 184
Vibe 185
Origami 185
Low Profile 186
Cirrus 187
Litepuff 187
Metro 188
Rigby 188
Cambridge Dura-Steel 188
Designer Wood Frame 190
Designer Acrylic 191
Decorative Wraparounds 192

Vanity
Sheffield 193
Litepuff 193
Architectural Contoured Diffusers 194
Wraparound Diffusers 195

Cabinet Lighting
T5 Fluorescent 196
12 Volt Xenon 196
120 Volt Halogen 197
Accessories 197

Sconces
Sconces 198

Options and Accessories
Surface-Mounted Fixtures 201
Vanity Wall Brackets 201

Gotham



INDOOR LIGHTING PRODUCTS

INTRODUCTION 202

Downlighting
AFV Open Reflector 208
AFVW Open Wallwash Reflector 209
AF Open Reflector (TRT) 210
AFW Open Wallwash Reflector (TRT) 211
AF Open Reflector(DTT) 212
AFW Open Wallwash Reflector (DTT) 213
AF Cross Baffle Reflector 214
AFZ/AFZW Cross Baffle Reflector, Low Profile 215

Accent
DLWF Lensed Wallwash 216
LAF Square Lens 217
LGF Round Lens 218
LGFV Round Lens 219

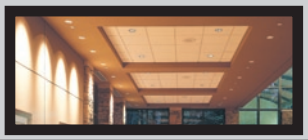
Decorative Downlighting
PDGF Candeo Open Reflector 221
PDXF ICE Luminous Cross Baffle Reflector 222
PDTF ICE Luminous Turbo Baffle Reflector 223
AH Open Reflector 224
AHW Open Wallwash Reflector 225
AHZ Open Refletor, Low Profile 226
APRH Open Reflector 227
DPH Directional 228
DLWH Lensed Walllwash 229
LGH/LGHZ Round Lens 230
LAH Square Lens 231
A Open Reflector 232
AW Open Wallwash Reflector 233
AZ/AZW Open or Wallwash Reflector, Low Profile 234
APR Open Reflector 235
GQ Ellipsoidal Reflector 236
GQT Ellipsoidal Tilt Reflector 237
LG/LGZ Round Lens 238
LA Square Lens 239
DP Directional 240
DLW Lensed Wallwash 241
DLV Downlight 242
DLV Lensed Wallwash 243
DLV Directional 244
DLV Directional 245
APRLV Downlight 246

Decorative Pendants-Elevations
PDPF Candeo 248
PDPF ICE 249
PDPF 250
PDPH 251
PDPA 252
Options and Mounting 253

Cylinders
CFV Open 254
CFVL Lensed, Wet Locations 255
CF Open 256
CFZ Open, Cross Baffle 257
CFL Lensed, Wet Locations 258
C Open 259
C Lensed, Wet Locations 260
CA Open 261
CA Open 262
CAL Lensed, Wet Locations 263
CC Quartz 264
CWV Uplight/Downlight 265

Options and Accessories
Low Voltage Lamps 266
Lenses and Louvers 267
Options 268
Accessories 270

PRODUCT SELECTION GUIDE
CONTENTS



Lithonia Downlighting

INDOOR LIGHTING PRODUCTS

INTRODUCTION 272

Fluorescent Downlights
- ✱ **LF8** Horizontal, 1-lamp (TRT) 274
- **LF8** Horizontal, 2-lamp (TRT) 275
- **LF8** Horizontal, 2-lamp (DTT) 276
- **LP8F** Vertical, 1-lamp (DTT or TRT) 277
- ✱ **CCR82** Vertical Master/Remote, 1-lamp (TRT) 278
- ✱ **LF6** Horizontal, 1-lamp (TRT) 279
- **LF6** Horizontal, 2-lamp (DTT) 280
- **LIF6** IC Horizontal, 2-lamp (DTT) 281
- **LI6F** IC Vertical, 1-lamp (DTT or TRT) 282
- **LP6F** Vertical, 1-lamp (DTT or TRT) 283
- ✱ **CCR62** Vertical Master/Remote, 1-lamp (TRT) 284
- **LQJ** Vertical, 1-lamp (DTT) 285

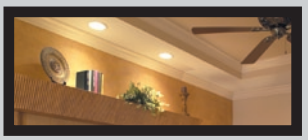
HID Downlights
- LP8H 8" Vertical 286
- LP6H 6" Vertical 287

Incandescent Downlights
- **LP8** 8" Vertical 288
- **LP6** 6" Vertical 289
- ✱ **LC6 MRI** 6" Vertical 290
- **LPJ** 5" Vertical 291

Low-Voltage Downlights
- **LV** 6" Aperture 292
- **LP3V** 3" Aperture 293

Specialty
- **WSL1F** Wet Location Steplight 294

Options and Accessories
- Options and Accessories 295



Lithonia Residential Recessed

INDOOR LIGHTING PRODUCTS

INTRODUCTION 296

Incandescent Recessed
- **LC6/L7X** IC/Non-IC Housing 298
- **L7XR** IC/Non-IC Remodel Housing 300
- **LI6** IC High Wattage/Slopped Ceiling Housing 302
- **LCP/L7XP** IC Shallow Housing 304
- **L7PR** IC Shallow Remodel Housing 305
- **L5** IC Housing 306
- **L5R** IC Remodel Housing 307
- **LI3/L3** IC/Non-IC Housing 308
- **L3R** IC/Non-IC Remodel Housing 309

Low Voltage Recessed
- **LV3** 3" Non-IC Housing 310
- **LIV3** 3" IC Housing 311
- **LV3R** 3" Non-IC Remodel Housing 312

Remodelers Recessed
- 5" Incandescent 313
- 3" Incandescent 313

Fluorescent Recessed
- **L7XF** 6" IC/Non-IC Housing 314
- ✱ **L7XF RECF** 6" IC/Non-IC Housing 316
- ✱ **LI6F RECF** 6" IC Housing 317
- ✱ **CKP62** 6" IC Master/Remote Housing 318

Specialty
- Steplights 319
- Lensed Squares 320

Technical Information
- Options and Accessories 321
- Packaging 322
- Lamp Performance 323



Lithonia Track

INDOOR LIGHTING PRODUCTS

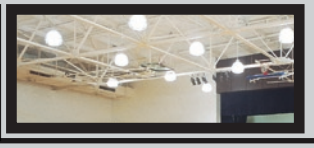
INTRODUCTION 324

LTD Series
- Color Corrected Metal Halide 326
- Compact Fluorescent 327

LTC Series
- Roundback and Flatback Cylinders 328
- Wallwash Roundback/Flatback and Bellspots 329
- Gimbal Rings 330
- Wireform and Step Cylinders 331
- PAR Shade and Lampholder 332
- Roundback and Flatback Cylinders 333
- Gimbal Rings and Bellspot- Low Voltage 334

LTE Series
- Roundback and Flatback Cylinders 335
- Step Cylinders and Lampholders 336

Track
- One-Circuit and Two-Circuit Track 337
- Track Configurations 338
- Track Layout Guide 339
- Track Connectors and Accessories 340
- Track Head Accessories 341
- Lenses (Filters) and Louvers 342



Lithonia Indoor HID

INDOOR LIGHTING PRODUCTS

INTRODUCTION 346

Ballast Housing Guide
- Optical Selection Guide 348
- Ballast Housings 350

Durabay Glass High Bay
- SPG Open 353
- TPG Premium Open 354
- TPG Premium Open Shrouded 355
- TPGE Premium Enclosed 356
- TPGE Premium Enclosed Shrouded 357

Acrylume Acrylic High/Low Bays
- **THPA22/THPA25** Open 358
- **SH PA22** Open 359
- **TXPA22GLE/TXPA25ALE** Premium Enclosed 360
- **TXPA22C/TXPA25D** Premium Enclosed 361

Hi-Tek Aluminum High/Low Bays
- **THA17/THA22** Premium Open 362
- **TE E17/TE E22** Premium Enclosed 363
- **TH A16/TH A16GL** Open or Lensed 364
- **SH A16/SH A16GL** Open or Lensed 365
- **TH A15** Open 366
- **SH A15** Open 367
- **TH A14** Premium Open 368
- **SH A14** Premium Open 369
- **TX A20/TX A26** Premium Enclosed 370
- **TX A30** Premium Enclosed 371
- **TX A23** Enclosed 372
- **SX A23** Enclosed 373

Food Processing Low Bay
- **TXF A30F** Acrylume Premium Enclosed NSF Certified 374
- **TXF PA25ALEF** Hi-Tek Premium Enclosed NSF Certified 374
- **TXA122/A125** Enclosed Prismatic 375
- **TXA162/A1565** Enclosed Prismatic 375
- **TGL/TGR** Enclosed Prismatic 376
- **TGL** Shroud with Lens 377
- **GPV** 2'x2' Recessed Squares 378

✱ INDICATES NEW PRODUCT

PRODUCT SELECTION GUIDE
CONTENTS

GS Round Reflector 378
G2V/G3V Prismatic Lens 379
DSA/FSSA Dock Lighting 380
KiloWatch II Dual-Level Integral Sensor System 381
KiloWatch Dual-Level Lighting 382

Technical Information
Ballast Selection Guide 384

Options and Accessories
Options & Accessories 386

Lithonia Rough Service

INDOOR/OUTDOOR LIGHTING PRODUCTS



INTRODUCTION 398

Architectural
VGR Steel Backplate, Round 400
VGO Steel Backplate, Oval 401
VGR Cast Housing, Round 402
VGO Cast Housing, Oval 403

Utilitarian
VR1/VR2 Steel Backplate, Rectangular 404
VR1B/VR2B Cast Backbox, Rectangular 405
VR1C/VR2C Cast Housing, Rectangular 406
TWL Cast Micro Wall Packs 407
VR3/VR4 Steel Backplate, Square 408
VR3C/VR4C/VR4CV Cast Housing, Square 409
VR4C/VR4CV Cast Housing, Square 410
VRR Recessed Housing, Square 411

Linear Fluorescent
VDC/VDS Corner and Surface Mount 412
VSL/VSLC Surface Enclosed 413
VW/VWC Wraparounds 414
VRI Industrials 415
VRS Modular Commercials 416
VRT Recessed Troffer 417

Accessories
Options and Accessories 418

Lithonia Emergency Systems

INDOOR/OUTDOOR LIGHTING PRODUCTS



INTRODUCTION 420

Exit Signs
Precise Edge-Lit LED 422
EDG Surface Mount Edge-Lit LED 423
Signature Aluminum LED 424
Extreme All-Conditions LED 425
Quantum Thermoplastic LED 426
Quantum Combo LED 427
Briteway Commodity Emergency Lighting 428
Titan Steel LED 429
Self-Luminous Exit 429
Special Signage 430
Exit Accessories 431

Architectural Emergency Units
Affinity Die-Cast Architectural 432
Velare Emergency Unit 433

Fluorescent Battery Packs
Power Sentry, Linear Fluorescent 434
Power Sentry, Downlighting Fluorescent 435
Power Sentry, Specialty 436
PSSD Self-Diagnostic Testing 436
Lamp/Ballast Compatibility 437

Emergency Lighting Units
ELM/ELM2 Quantum Thermoplastic 438
ELM6-12 Quantum Thermoplastic 439
ELR Recessed 440
ELSQ Contemporary Square 441
ELCC Contemporary Cylinder 441
Indura Industrial 442
INDX NEMA 4X Industrial 443
Titan Die-Formed Steel 444
Z Class I, Div.2 Hazardous Location 445
LZ Class I, Div.2 Hazardous Location Combo 446
ZX Class I, Div.1 Explosion-Proof Units 447
ELA ZX Class I, Div.1 Explosion-Proof Remotes 447
ELA ZCD Class II, Div.I Hazardous Location 448
Remote Lamp Heads 449
Unit Accessories/Replacement Batteries 451

Power Systems
EAC IST/EAC ISS Interruptible 452
EAC FT/EAC 3FT Fast Transfer 453

General Spacing Guidelines
Power Sentry Spacing Guidelines 454
Sealed-Beam/Composite Lamps Spacing Guidelines 455
Indura/Indura 4X Spacing Guidelines 456

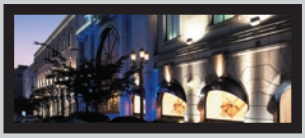
Performance Data
Performance and Spacing 457

Safety Codes
Safety Codes 461

Outdoor Emergency Lighting
Outdoor Emergency 466

Lithonia Outdoor

OUTDOOR LIGHTING PRODUCTS



INTRODUCTION 468

Area Lighting
AS Aeris Area Full Cutoff 472
AST Aeris Suspend Full Cutoff 473
KSE Symmetra Cutoff 474
KSF Spec-Form Cutoff 475
KAD/KAC Contour Drop or Flat Lens Cutoff 476
KADT Contour Suspend Drop or Flat Lens Cutoff 477
KVF Vertical Cutoff 478
KVS Square Cutoff 479
KVE Square Vertical 480
KVR Round Vertical 481
KAR Centriform Cutoff 482
KKS/KKR Post-Top Cutoff 483
TPA Decorative Post-Tops 484
TCL Decorative Post-Tops 485

Roadway Lighting
KT1 Low Pressure Sodium 486
KML Arm-Mounted Cutoff Low Pressure Sodium 486
KRP/KRX/KP2 Low Pressure Sodium 487
KDC1/KDC2 Medium Wattage-Rectilinear 488
TDS2/TDS3 Medium Wattage 489
CHE Small 490
CHL/CHLD Low Wattage 491
CHM/CHMD Medium Wattage 492
CHX Large 493
TMM Set-Back 494
TDR Offset 495

Security Lighting
TDD Dusk-to-Dawn Area Lighters 496
TDL Dusk-to-Dawn Area Lighters 496
TDB Dusk-to-Dawn Area Lighters 497
TDC Dusk-to-Dawn Area Lighters 497
TDX Security Light 498
TDA Security Light 498

Site Lighting
ASB Aeris Architectural Bollards 499
KBC/KBR Round Bollards 500
KBS/KBE Square Bollards 501
KBA/KBD Round Bollards 502
KL Recessed Low-Mount Floods 503

Building-Mounted Lighting
ASW Aeris Architectural 504
WFL Architectural 505

PRODUCT SELECTION GUIDE
CONTENTS

WST/WSR/WSQ Architectural 506
VGR Gateway 508
VGO Gateway 509
TWH Die-Cast Glass Refractor 510
TWP Cast Polycarbonate Refractor 511
TWA Mini Polycarbonate Refractor 512
TWAC Contour Cutoff Mini Polycarbonate Refractor 513
TWR Die-Cast Glass Refractor 514
TWRC Cast Glass Refractro 515
TWRS Cast Glass Refractor 515
TWS Cast Small Polycarbonate Refractor 516
WG/WP Globe/Cylinder and Glass/Polycarbonate 517

Parking Garage
PGR Sureface Mount 518
TGL/TGR Low Bay 519
KPS Ceiling Mount 520

Canopy Lighting
KACM Die-Cast Cutoff Flat/Drop Lens 521

Floodlighting
ASF Aeris Architectural 522
KFL Architectural 523
TFA Contour, Large 524
TFL Contour, Medium 525
TFR Contour, Medium 526
TFM Contour, Mini 527
TFS General Purpose, Micro 528
TQ/TQE/TCF General Purpose, Micro 529
TSL General Purpose 530
170S High Performance 531
95 High Performance 532
55 High Performance 533
HFA/HFL Hazardous Location, Large 534
HFR/HFM Hazardous Location, Medium 535

Motion Sensors
MSE180 FK/MSQ240 FK Motion Activated 536
MSP270 FK Motion Activated 537

Sportslighting
TSP Tru-Sport Sportslighters 538
TV Controlled-Beam Sportslighters 539

Options and Accessories
Options& Accessories 540

Floodlighting Design Guidelines
Design Guidelines 550

Poles
General Information 552
Wind Map 553
SSS Square Straight Steel 554
RSS Round Straight Steel 555
STS Square Tapered Steel 556
RTS Round Tapered Steel 557
RTSU Round Tapered Steel with Upswept 558
STSH Square Tapered Steel Hinged 559
SPRTS Round Tapered Steel 560
SPRTS options 561
SSA Square Straight 563
SSCA Square Straight Cruciform Aluminum 564
RSA Round Straight Aluminum 565
RTA Round Tapered Aluminum 566
RTAU Round Tapered Aluminum with Upswept 567
RSAH Round Straight Aluminum Hinged 568
SSAH Square Straight Aluminum Hinged 569
RTF Round Tapered Fiberglass 570
RTFDB Round Tapered Fiberglass 571
SSF Square Straight Fiberglass 572
STC Square Tapered Concrete 573
SPRTC Round Tapered Concrete Sportslighting 574
SPRTC Options 575
Pole Options 578

Antique Street Lamps/ Eurotique



OUTDOOR LIGHTING PRODUCTS

INTRODUCTION 580

PRapid Ship Posts 582
Rapid Ship Luminaires 583
Nighttime Friendly Luminaires 584
Historical Luminaires 584
Historical Posts and Arms 585
✱ Eurotique Luminaires 588
Eurotique Arms and Wall Brackets 590
Eurotique Poles 591

Hydrel



OUTDOOR LIGHTING PRODUCTS

INTRODUCTION 592

G2
✱ G2 Block Building Mounted 597
✱ G2 Edge Building Mounted 598
✱ G2 Xtend Pole Mounted 599
✱ G2 Louver Bollard 600

Flood
7000 601
7100 602
7200 400-watt max 603
7200 1000-watt max 604
Accessories 605
8100 Performance 606
✱ **8100** Emergency Only 607
8200 Performance 608
Performance Floodlight Accessories 609

Site
HP3 Building Mounted 611
HP4 Building Mounted 612
✱ **3110/3120/3130/3140** Bollard 613

In-Grade
9000 614
M9400 615
M9700 616
Accessories 617
✱ **6410** 618
✱ **6700** 619
9310 620
9330/9335 621
9350 622

Landscape
2100 623
4511 624
4516 624
4519 625
4524 625
4529 626
4610/4620 626
4630/4640 627
4650 628
4709 629
✱ **4750** 630
Accent Linear Flood Mounting Options 631

Step
4451/4452/4453 632
4454/4456 633
4462 634

Border
M4534 635
✱ **4540** 636
M9450/M9460 Pathway/Marker Light 637
✱ **4595/4596/4597/4598** 638

Mounting
Ground or Wall Mounting 639
Ground, Wall or Pole Mounting 640
Surface Mount Ballast 641
Brackets 642
Poles 643

Underwater
4428 Fountain and Swimming Pool 644
4425 NM SWM/ 4427 NM SWM/ 4800 NM SWM 645
4409 BM/ 4413BM/ 4415BM/YM 646
4424 BM/YM/ 4427 BM/YM 4800 BM/YM 647
4415 NM/ 4424NM/ 4800 NM 648
Underwater Accessories 649

✱ INDICATES NEW PRODUCT

PRODUCT SELECTION GUIDE
CONTENTS

Lithonia Control Systems

LIGHTING AND BUILDING SYSTEMS



INTRODUCTION 652

Synergy Control Systems

SYSW CONFIG ... 656
SYSW GRAPHIC ... 656
SQCS ... 657
SYA LCD ... 657
SYRS ... 658
SYWR ... 658
SYRS EXT ... 659
SYRS EXTDS ... 660
DEQ LC ... 661
DEQ APS ... 661
LVMS WPM ... 662
LVDS DSA FP ... 662
SSPL ... 662
SYNERGY ... 663
SYE ... 664
SYSC ... 665
SYPM 8R/ SYPM 8H ... 666
SYPMB 6D ... 666
SYPM 8F ... 667
SYPM DALI ... 668
SYPMB NBAR/ SYPMB MB_NBAR ... 668
SYPMB ML/ SYPMB MB_ML/ SYPMB MN ... 668
SYNERGY ... 669
LSA APS ... 670
SYA ... 670

SwitchPak

SPAK ... 671
LVRS ... 671

Litronic Occupancy Sensors

LMT H ... 672
LIRC ... 672
LMTO H ... 673
LUSO H ... 673
LIRO H ... 673
LPCS ... 674
LIRW ... 674

Wallbox Dimmers

SQIDC ... 675
SQRS ... 675

Remote Dimmers

SQMPDC ... 676
RDM ... 676

Wallbox Dimmers

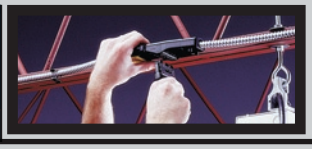
DSD ... 677
DSA FP ... 677
ISD ... 678
ISD DPC ... 679

Fluorescent Dimming Guide

Dimming Wiring Guide ... 681

Lithonia Reloc Wiring Systems

LIGHTING AND BUILDING SYSTEMS



INTRODUCTION 682

CRecessed Ceiling Systems

Quick-Flex Overview ... 684
QC Converter ... 685
QFC Fixture Cable ... 685
QE Extender Cable ... 686
QPT Tee ... 686
QSFC Starter Fixture Cable ... 687
QSD Switch Drop ... 687
QS Splitter ... 688
QD Drop Cable ... 688
1-2-3 Bill of Materials Guide ... 689

Open Ceiling Systems

OnePass System ... 690
OCS Circuit Selector ... 690
OSC2 Starter Cable, 2-Port ... 691
OC Circuit Distributor ... 691
OC2 Cable, 2-Port ... 692
OSS Splitter Splice ... 692
OCU Cord Unselectable ... 693
OD Drop Cable ... 693
1-2-3 Bill of Materials Guide ... 694

Specialty and Power Systems

CD Circuit Distributor ... 698
SSC Standard Selector Cable ... 698
CE Cable Extender ... 699
ST Switching Tee ... 699
SS Splitter Splice ... 700
CSU Circuit Selector Unit ... 700
PT Power Tee ... 701
DC Drop Cable ... 701
DB Distribution Box ... 702
DUP Duplex Receptacle ... 702
PP Power Pole ... 703
Safety Codes ... 704

LAMPS AND BALLASTS *TECHNICAL INFORMATION*

INTRODUCTION 706

Ballast Characteristics ... 707

Linear Fluorescent

Lamp Ordering and Availability ... 708
Generic Electronic Ballasts ... 709
Magnetic Ballast Data ... 710
Ballast Testing ... 711

Compact Fluorescent

Lamp Ordering and Availability ... 712
Ballast Data ... 713

High Intesity Discharge

Lamp Data ... 714
Ballast Data ... 716
Ballast Circuit Data ... 720
Ballast Testing ... 722

TECHNICAL AND DESIGN CONSIDERATIONS *TECHNICAL INFORMATION*

INTRODUCTION 723

Lighting Terminology ... 724
Nighttime Friendly Lighting ... 725
LEED with Lighting ... 726
Energy and Environmental ... 729
Lighting Calculations ... 730
Troubleshooting Guide ... 731
Special Environments ... 732
Acrylic Compatibility Chart ... 735

Delivering Superior Service

Our long-standing resolve is to provide SUPERIOR SERVICE to our customers before and after the sale. From product selection and specification through product delivery and beyond, we are committed to providing the systems, tools and capabilities that deliver product and information when you need them. Simply put, our organization strives to be EASY TO DO BUSINESS WITH in everything we do.

A major component of being easy to do business with is delivering Solutions that Simplify. Our Simplify initiative is focused on introducing products, programs and processes that help customers better manage their business. Examples of how we are simplifying business include standardizing to MVOLT (multi-volt) ballasts, our online LithoniaDistributorCenter.com and our LightQuick® express-delivery program.

MVOLT
NOW STANDARD

Simplify product selection

MVOLT Ballasts Standard

When it comes to ballast specification, Lithonia Lighting has found a way to make your job easier. We are the first lighting manufacturer to make MVOLT (multi-volt) ballasts standard across our complete fluorescent product line. Now there's no more guess work or hassles. Just one ballast to specify and order, at no additional charge. This conversion includes all fluorescent troffers, parabolics, RT5™ Volumetric Recessed Lighting, wraps, strips, rough service, and industrial products. Let MVOLT help you reduce inventories and transactions, while simplifying specifications and fixture wiring on the job.



Simplify information delivery

Lithonia Distribution Center, Instant Access Made Easy

The Lithonia Distributor Center (LDC) is a powerful online capability that delivers critical information when you need it. LDC helps simplify the way our distributors manage their lighting business – reducing costs, improving productivity and enabling sales growth.

Key Elements:

- **Enhanced inventory search capabilities**
- **Enhanced order status functionality**
- **LightQuick eXpress delivery program**
- **Customer-specific pricing information**
- **Dynamically built custom product catalog**
- **Product substitution tool**
- **Marketing support tools**
- **New product/program information**

These elements are only the beginning. LDC provides a strong, reliable platform to deliver numerous future capabilities that will continue to help distributors simplify their lighting business.

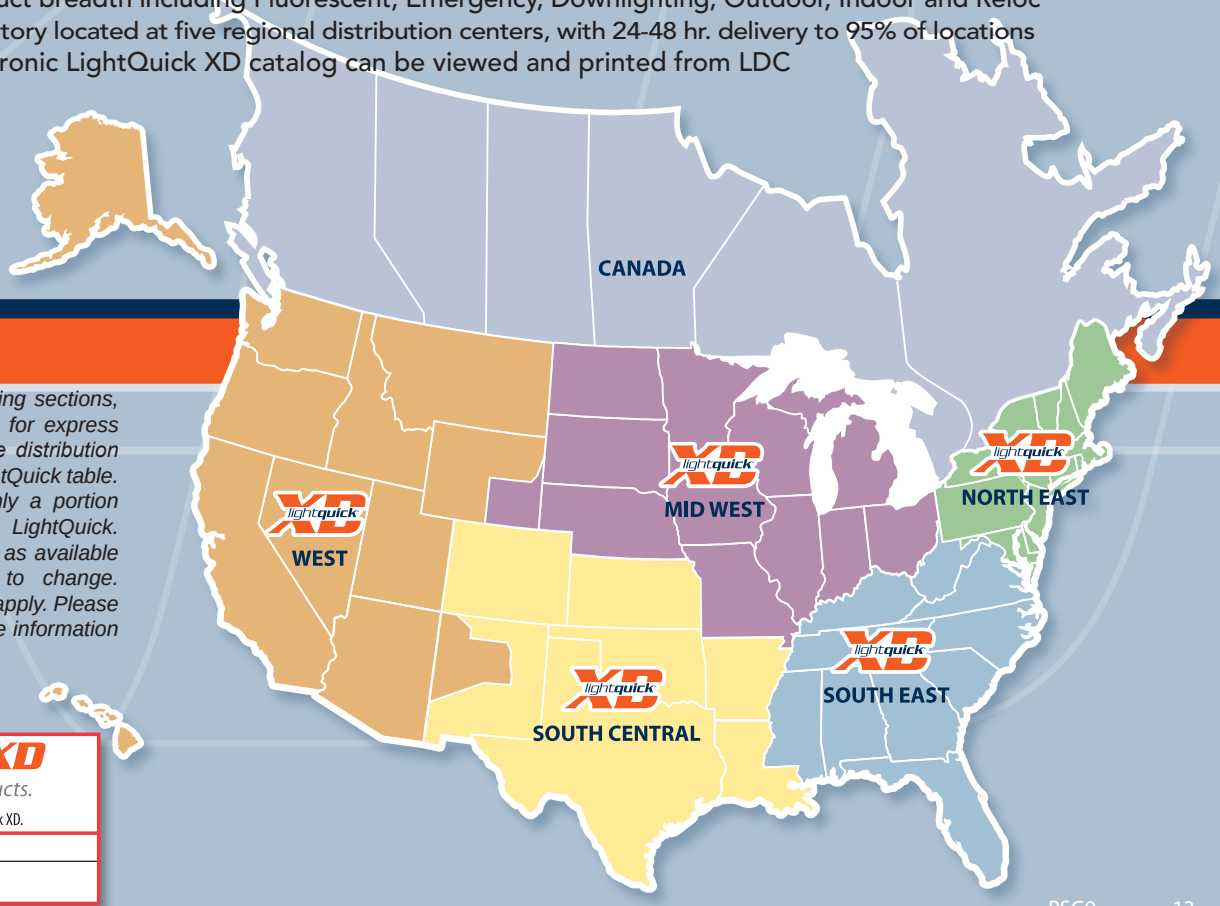
Simplify product delivery

LightQuick XD, eXpress Delivery Within 24 to 48 Hours

LightQuick XD is a quick-ship program committed to delivering a select group of our most popular products in less than 48 hours.

Key Elements:

- Product breadth including Fluorescent, Emergency, Downlighting, Outdoor, Indoor and Reloc
- Inventory located at five regional distribution centers, with 24-48 hr. delivery to 95% of locations
- Electronic LightQuick XD catalog can be viewed and printed from LDC



Throughout the Lithonia Lighting sections, LightQuick products available for express shipment from any of our five distribution centers are indicated by a LightQuick table. These products represent only a portion what is available through LightQuick. Products in this Guide shown as available for quick-ship are subject to change. Packaging requirements may apply. Please see www.lithonia.com for more information and a complete product listing.

lightquick XD
Express delivery products.
See page11 for details about LightQuick XD.

Description

Delivering Electronic Tools
Anywhere, Anytime



Visual
Visual is a collection of lighting calculation tools and powerful 3-D modeling software engineered to simplify the design process and provide a comprehensive analysis for advanced lighting projects. For more information, visit www.VisualLightingSoftware.com.

Photometric Viewer
Photometric Viewer is a software program that allows you to view and print full photometric reports, which can be viewed side-by-side for quick product comparison. They are generated in interior, area, or floodlight formats. Find out more at www.lithonia.com/software.

Lithonia Lighting Reference Library
Our online Reference Library connects you to an array of useful information, including case studies, application guides, technical data, electronic submittal sheets, product images and logos, and a lighting glossary. To access it, go to www.lithonia.com.

Economic Viewer
Economic Viewer software provides simple financial comparisons between lighting alternatives, allowing you to better weigh your options. The program considers both initial and annual costs to determine payback periods and internal rate of return. For more information, visit www.lithonia.com/software.

CALCULATE ENERGY SAVINGS

Pulse Start Calculator
The Pulse Start Calculator lets you compare a Probe Start HID system with a Pulse Start HID ballast/lamp system based on energy savings. This simple calculation spreadsheet shows the potential savings of the Pulse Start technology and calculates a simple payback period. Download it at www.lithonia.com/PulseStart.

KiloWatch Calculator
The KiloWatch Calculator evaluates energy savings for HID lighting when using the KiloWatch control system. The calculator lets you define the type of lighting system, hours of operation, occupancy rate, and energy rate for a specific lighting application. Find out more at www.lithonia.com/KiloWatch.

Energy Savings Calculator
Input lighting fixtures, wattage and kilowatts per hour among other data to calculate energy savings gained using more energy efficient lighting products. Specific calculations can be made comparing I-BEAM Fluorescent High Bays to standard HID Metal Halide fixtures. For more information, go to www.lithonia.com/energy.

Our electronic tools are accessible online 24/7
to assist you with your lighting specifications and designs

Delivering World-Class Training
In Real Environments

Jim H. McClung Lighting Center





To keep up with the demands of today's rapidly changing technologies, our state-of-the-art Jim H. McClung Lighting Center continually offers a variety of training programs and continuing education courses.

Our courses offer valuable certification and association credit, including all associations participating in the Interior Design Continuing Education Council (IDCEC), such as the ASID, IDC, IDEC, IIDA, NKBA and IFMA.

Our 30,000 sq. ft. facility is an optimal learning environment for lighting designers, specifiers, electrical distributors, contractors, utility customers, and salespeople. Classrooms provide an intimate setting for one- or multi-day workshops, while tours of the demonstration area and interactive displays give visitors a true understanding of how various lighting options look and feel in real environments.

The Lighting Center is outfitted with advanced multimedia and computer equipment, and training programs can be tailored to your specific needs. Our in-house professionals will develop a workshop or arrange a tour that fits your needs.







We also fulfill:

AIA/CES Learning Units (LUs)

We have partnered with the American Institute of Architects/Continuing Education System as a Passport Member to offer LUs, which qualify for Health Safety and Welfare status.

NCQLP Lighting Education Units (LEUs)

LEUs are required by the NCQLP to maintain Lighting Certification. We currently offer LEU credits for Specifier Seminars, Visual training, and Distributor and Contractor Workshops.

Professional Development Hours (PDHs)

PDHs, geared specifically toward the engineering community, are available for all educational activities conducted at the center.

Delivering New and Innovative Products

We maintain a steadfast commitment to the development and application of innovative, new lighting technologies that improve lighting quality, improve lighting economics and enhance the overall environment through reduced energy consumption. The following is a representative list of New products found throughout our Production Selection Guide.

LITHONIA LIGHTING®

Fluorescent



RT5 - Choose the new standard in fluorescent lighting--RT5™ Volumetric Recessed Lighting. Unlike parabolics, RT5 is designed to deliver the right amount of soft, comfortable light throughout a room, truly enhancing the work environment making it an ideal solution for offices, schools, hospitals, retail, and other workspaces. (Page 24)



I-BEAM - The I-BEAM™ System featuring T5HO Cool Running™ Technology combines high ambient operation with the reliability, energy efficiency and lighting quality of fluorescent lighting. Fluorescent lighting has long been the benchmark for delivering reliable and efficient lighting in commercial spaces. Now, those same benefits translate to distribution centers, warehouses, industrial/manufacturing facilities and retail spaces. (Page 74)

Emergency



Velaré - A new fully recessed, retractable emergency lighting unit for architects, lighting designers and specifiers. Designed to maintain the integrity of the space, Velaré™ architecutal emergency lighting is completely concealed within the housing plenum or wall, only revealing itself upon loss of power; perfect for high-end commercial, retail and architectural spaces. (Page 433)



Indura 4X - The next generation of Indura™ industrial emergency lighting is the Indura 4X. The patented industrial design has expanded to NEMA 4X applications such as mills, waste and sewage treatment centers, and food and beverage processing facilities. Whether for large warehouses, heavy manufacturing plants, or harsh mills and foundries, look to Indura for all your industrial emergency lighting. (Page 442)

Downlighting



CKP - Introducing the new CKP62 residential compact fluorescent downlighting system featuring the industry's first "plug and play" installation. The CKP62 ships with two housings in one box: a remote unit factory installed with an 11' flex and a master unit with a 2/26 watt triple-tube electronic ballast installed on the junction box. The "plug and play" benefits reduce installation time by a third, which saves on labor costs. (Page 318)

Outdoor



Aeris Flood & Suspend - Whether it's a parking area, a building entrance, or full area lighting, the Aeris™ Architectural Outdoor Family delivers a complete lighting solution. The streamlined design provides the versatility required to complement a variety of architectural details. (Pages 473 and 523)



Quarter Sphere Architectural Sconce The WSQs new quarter sphere sconce adds versatility to an already popular product line. Designed for multiple uses, the new shape enables precise light placement with the added flexibility of lens-up or lens-down orientation. (Page 506)

Controls



SYRS EXTDS - Ideal for applications which require manual and automatic control of RT5 fluorescent fixtures equipped with step-dimming ballasts, fluorescent fixtures wired for inboard/outboard switching or two independent lighting zones. May be used as a stand-alone room controller or connected to a Synergy® system for integration with a building automation system. (Page 660)



Litronic Occupancy Sensors - A new and improved line of occupancy sensors and power packs designed to cost-effectively meet the demands of energy codes such as ASHRAE 90.1, IECC 2003, and California's Title 24. They incorporate several new standard features, including multi-voltage operation, integrated photocell, and flexible mounting options offered at lower prices than the old line. (Page 672)

gotham® HYDREL® PEERLESS® SPECLIGHT. ANTIQUE Street Lamps™



Elevations *- The Elevations™ luminaire is more than just another pretty face among pendant downlights. It is a highly versatile, precision lighting tool equipped with the same patented Bounding Ray™ reflector optics as in Gotham's industry-leading recessed downlights. (Page 248)*



ICE Luminous Cross Baffles with an Edge *- Make a distinct visual statement. Differentiate a space with light. Add unique character. ICE™ luminaires are designed to complement other Gotham downlights, wallwash and directional accent products within a space — so you can achieve varying effects while maintaining basic continuity of appearance. (Page 222)*



GQT *- The quartz incandescent lamping within Gotham's hybrid ellipsoidal optical system delivers maximum luminance from a quiet 6-inch aperture. A full range of T4 lamps includes 150, 250, 400 & 500 watts. For each, the luminaires can be configured for narrow, medium or wide-beam distributions. (Page 237)*

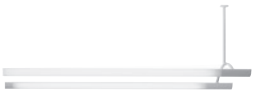
GQ *family includes fixed and tiltable luminaires to satisfy every need in auditoriums, theatres, churches, arenas and similar high-ceiling spaces. GQ family's state-of-the-art optics achieve an optimum balance of high efficiency and visual comfort, eliminating flash below the 40° shield angle, providing an exceptionally quiet ceiling.*



G2 Louver Bollard *- The G2™ Bollard Series is designed to work in building perimeter areas and public spaces completing a wide variety of architectural styles. The G2 Bollard fixture offers an unmatched impact-resistant mounting and leveling design ensuring life-long performance. (Page 600)*



4750 Series *- With its T5 and T5HO lamp performance, high output symmetrical and asymmetrical distributions, and simple design, the Hydrel 4750 Series is ideal for spreading soft, even illumination along walls, signs and planters. (Page 630)*



Parallels *- Our exclusive GrateOptic™ technology handles the direct component in a visually interesting fashion, casting a light-and-dark linear pattern down the length of the diffuser surface while effectively softening the light source for optimal comfort. (Page 138)*



Lightfoil 2&3 *-This is architectural surface lighting in its most advanced state. Lightfoil ®'s optical design is a remarkable accomplishment – no other system delivers light so abundantly, so smoothly, so efficiently for contemporary large-scale environments. With its range of available proportions, lengths, and optical packages, Lightfoil satisfies lighting needs in a variety of interiors, from large scale public spaces to office environments. (Page 132)*



Cerra ID *- Cerra® ID is an indirect/direct suspended luminaire that features a low profile and pure crescent shape. Use Cerra ID in classrooms, conference rooms, laboratories, and office spaces where the general benefits of indirect lighting are desired but a higher percentage of direct light is required. (Page 162)*



SpecLight
SpecLight's FIB series luminaire is the perfect replacement for HID high bay luminaries. Ideally suited for retail, warehouse, industrial, commercial and manufacturing areas, it is designed for large area lighting application and heights of up to 50 feet. (Page 121)



Antique Street Lamps
Antique Street Lamps is committed to protecting our visual environment by offering nighttime friendly products with full cutoff such as the Eurotique® Series Munich and Hanover, and partial cutoff with the Post Top Series DS1-10. (Page 588)

Lithonia Lighting

DELIVERING THE BEST VALUE IN LIGHTING

Lithonia Lighting has delivered the Best Value in Lighting for more than 60 years, providing the industry's broadest line of commercial, industrial, institutional and residential fixtures.

Starting in 1946 as a fluorescent lighting manufacturer, today Lithonia Lighting is the largest fluorescent lighting manufacturer in the world. Over the years, however, the Lithonia brand has come to mean much more than just fluorescent lighting as more than half our sales are generated from non-fluorescent product categories such as Emergency Systems, Outdoor lighting, Downlighting and Indoor HID among others. Our products have always been known for quality, reliability and solid performance, making Lithonia Lighting the most specified brand in the lighting business.

In addition to product strength, superior customer service has long been a hallmark of Lithonia Lighting. From product specification and selection through delivery and beyond, our people are committed to making it easy for you to get the products and the information you need, when you need them.

It's no wonder that Lithonia Lighting is the brand preferred by more lighting professionals across North America and the world. Our customers expect superior value and look to Lithonia Lighting to deliver the Best Value in Lighting.

BEST VALUE IN LIGHTING
Quality • Performance • Service



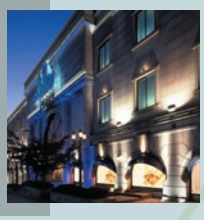
Lithonia Fluorescent

Lithonia develops and manufactures the most comprehensive selection of fluorescent fixtures in the industry for commercial, industrial, and institutional applications. Our high quality fixtures incorporate the latest in energy-saving lamp and ballast technology.



Lithonia Emergency Systems

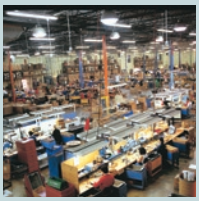
We manufacture a wide selection of exit signs, emergency lighting units, fluorescent battery packs and standby AC power systems for commercial and industrial applications, as well as special environments.



Lithonia Outdoor

Lithonia's outdoor products are unmatched in the industry for performance and style. They feature superior-grade materials, high-performance optical systems, and distinctive designs. Choose from a wide selection of luminaires, poles, mounting options, and finishes.

**WHATEVER YOUR LIGHTING APPLICATION NEEDS,
LITHONIA LIGHTING OFFERS YOU THE BEST OPTIONS AVAILABLE.**



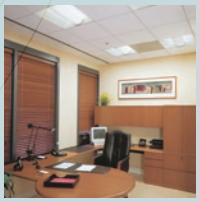
Lithonia Indoor HID

Lithonia has an extensive selection of indoor HID products for both high-mount and low-mount applications. Industrial lighting withstands vibration, dirt, heat, and moisture while providing efficient illumination. Commercial lighting creates a bright, comfortable atmosphere, and recreational lighting delivers glare-free illumination for player and spectator safety.



Lithonia Downlighting

Lithonia's downlighting products include a large selection of compact fluorescent, incandescent, HID, and low voltage fixtures. With aperture sizes ranging from 3" to 8", our housings meet industry requirements for rugged construction and easy installation.



Lithonia Decorative Fluorescent

We are the industry leader in creating attractive, affordable, energy-efficient decorative lighting. Our wide array of fixtures ranges from rich, solid oak frames to dainty, frosted glass mini-pendants. Many fixtures are suitable for both residential and light commercial use.



Lithonia Control Systems

Lithonia offers a full range of control systems for both architectural dimming and lighting energy management. These systems enhance efficiency by governing the amount of light needed to maintain illuminance levels and by limiting light use to occupied spaces.



Lithonia Rough Service

Our rough service fixtures are designed to withstand physical and environmental abuses, from the extreme intent-to-destroy to minor impacts. They are ideal for schools, recreational areas, institutions, apartment complexes, train and bus stations, parking garages, and government buildings.



Lithonia Residential Recessed

Our residential recessed line offers products with 3", 5", and 6" apertures in incandescent, low voltage, and compact fluorescent. Our housings provide the easiest installation in the industry, while requiring the fewest SKUs for standard application.



Lithonia Track

Lithonia has a full line of commercial track and display lighting available in one- and two-circuit configurations. We also offer line and low voltage track heads for a wide range of popular lamps, along with a full selection of accessory filters and louvers.



Lithonia RELOC® Wiring Systems

The leader in modular wiring for more than 20 years, RELOC features plug-in, relocatable components for wiring commercial and industrial lighting fixtures. RELOC offers significant benefits over conventional hardwiring, including reductions in installation time and easy fixture relocation.

Delivering A Complete Portfolio of Leading Brands



gotham®

Gotham is one of the most respected names in architectural recessed downlighting. By focusing on optical performance, architectural integration, reliability, and innovative manufacturing processes, Gotham creates exceptional luminaires that enhance the appearance of modern spaces.
www.gothamlighting.com

PEERLESS®

Peerless suspended indirect and direct architectural lighting is designed to please the senses and complement the surroundings. Utilizing only the best materials and advanced engineering and manufacturing techniques, Peerless creates elegant fixtures that emit a soft, natural light, both enhancing the space and increasing productivity. www.peerless-lighting.com





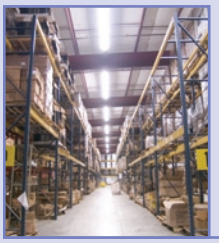
HYDREL®

Hydrel is the industry's premier brand of architectural landscape lighting products. Choose from high-performance luminaires for a variety of applications, including accent, flood, site, in-grade, border, and under-water. Hydrel also offers an extensive line of accessories and mounting options.
www.hydrel.com

ANTIQUE Street Lamps™

Antique Street Lamps offers the largest selection of outdoor decorative lighting products on the market today. The extensive historical product line includes posts, post top luminaires, crossarms, and wall brackets. The contemporary Eurotique line consists of posts, fixtures, and an array of bracket arm styles.
www.antiquestreetlamps.com





SPECLIGHT®

SpecLight creates specialty fluorescent fixtures for commercial, industrial, and institutional spaces. Each luminaire incorporates the latest in lamp and ballast technology, as well as high-performance optics. SpecLight's state-of-the-art manufacturing facility can create custom luminaires uniquely designed to meet your lighting needs.
www.speclightsolutions.com

Delivering Lighting That is Good

For People and The Environment

"Sustainable business practices are fundamental to the operation and success of Acuity Brands Lighting (ABL). We define 'sustainability' as conducting our business balancing economic, environmental, and social objectives in ways most likely to create long-term value without taxing the resources on which we depend. Sustainable practices reduce pollution and avoid depletion of the earth's finite natural resources. Sustainable practices promote innovation and efficiency. They provide solutions and promote growth. Sustainable practices enhance the quality of life of our people and the communities in which we do business. These practices benefit our customers, employees, shareholders, and communities."

At Acuity Brands Lighting, we are strongly committed to the concepts of environmental sustainability and to lighting solutions that are good for people. We believe that lighting can be energy efficient and environmentally responsible, while also providing good visibility and making our surroundings productive, pleasant, safe and secure. We actively promote sustainability in our company, products, processes, and sales and training efforts.

Our commitment to sustainability is clear. We are a member company of the U.S. Green Building Council (USGBC) and an active technical advisor to the USGBC. We actively participate in the development of national and state energy codes and sustainability standards through ASHRAE, IESNA, Alliance to Save Energy, DOE's Rebuild America Program, the Consortium for Energy Efficiency and the U.S. EPA ENERGY STAR® program.

We believe that sustainability is promoted through how we conduct our business and by sharing information on sustainable design solutions. We have participated in various sustainability shows including sponsoring the GreenBuild national conference. We conduct various regional and national training programs on sustainability for lighting design. We have been selected for various LEED show case projects, such as the "Eco Office" at the Southface Energy Institute.

Within our company, we bring home the concepts of sustainability through internal recycling programs, mandatory environmental training for employees and consistent review of materials and processes used for our lighting products.

By making sustainability a priority, we know we are enhancing the quality of life for our employees, our customers, and the communities in which we do business.

www.acuitybrandslighting.com/sustainability



Fluorescent

Lithonia manufactures the broadest and most innovative selection of fluorescent products in the industry for commercial, institutional and industrial applications.

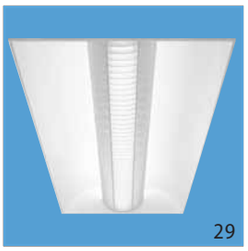
Lithonia fluorescent fixtures incorporate the latest in energy-saving technology and design. This provides the assurance of high-quality, superior-performance products that meet your budget requirements. Every fixture is backed by Lithonia's industry-leading service, technical expertise and support.





CONTENTS







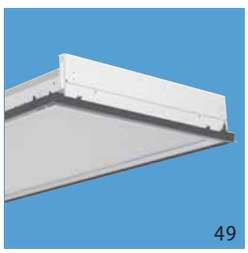


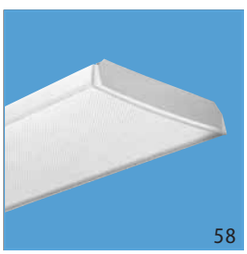




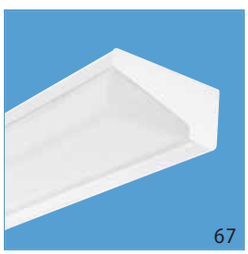




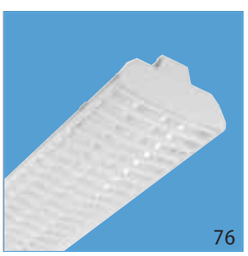






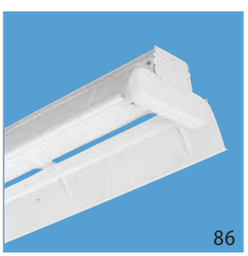














Volumetric Lighting

RT5™ 22

Architectural Lighting

Avante® Direct/Indirect Lighting 26
Linear Wallwash 37
Perimeter Systems 38

Parabolics

Optimax® Light Control System 41
Paramax® Parabolic Troffers 43

Lensed Troffers

Static Troffers 48, 51
Air-Handling Troffers 49

Surface Commercials

Modular 52
Wraparounds 56
Undercabinet 64

Wall Brackets 67

Fluorescent High Bays 72

Surface/Suspended 78

Striplights 80

Industrials

Shielded 86
Enclosed 91

Cleanroom Lighting 94

Rough Service

Surface 100
Recessed 103
Industrial 104

Options and Accessories 106

eNHANCe YOUR

INTRODUCING RT5™ VOLUMETRIC RECESSED LIGHTING.

The new standard in fluorescent lighting. In a world dominated by parabolic fixtures, we saw the need for lighting that doesn't create an environment dominated by harsh overhead light or confining cave effect. The RT5™ Series is ideal for offices, schools, hospitals, retail and other workspaces.



CREATES VISUAL HARMONY

RT5™ luminaires eliminate the glare and dark spots associated with parabolics, creating a comfortable environment to work in.

IMPROVES OVERALL AESTHETICS

Thanks to its unique design, the RT5™ Series improves the aesthetics of any room by creating an unprecedented combination of volumetric lighting and a quiet ceiling. The fixture is pleasing to the eye, without drawing undue attention.

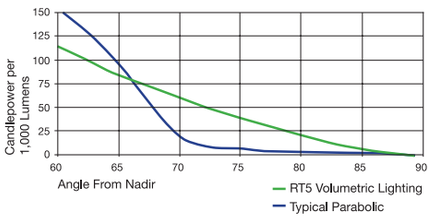
REDUCES ENERGY CONSUMPTION

RT5™ volumetric lighting is good for the environment delivering up to 33% savings in energy over a standard 18-cell, three-lamp T8 parabolic.

eNVIRONMeNT™

VOLUMETRIC LIGHTING DONE WELL.

Advances in flat screen monitor technology and software afford the opportunity to allow controlled brightness at high angles. Brightness at these higher angles illuminates the entire volume of the space, eliminating harsh shadows, dark walls and cave effect arising from the sharp cutoff of the parabolic fixture. The controlled and gradual decrease in brightness delivered by RT5™ volumetric lighting enhances the environment without producing excessive light in the "glare zone."



A FEELING OF SPACIOUSNESS

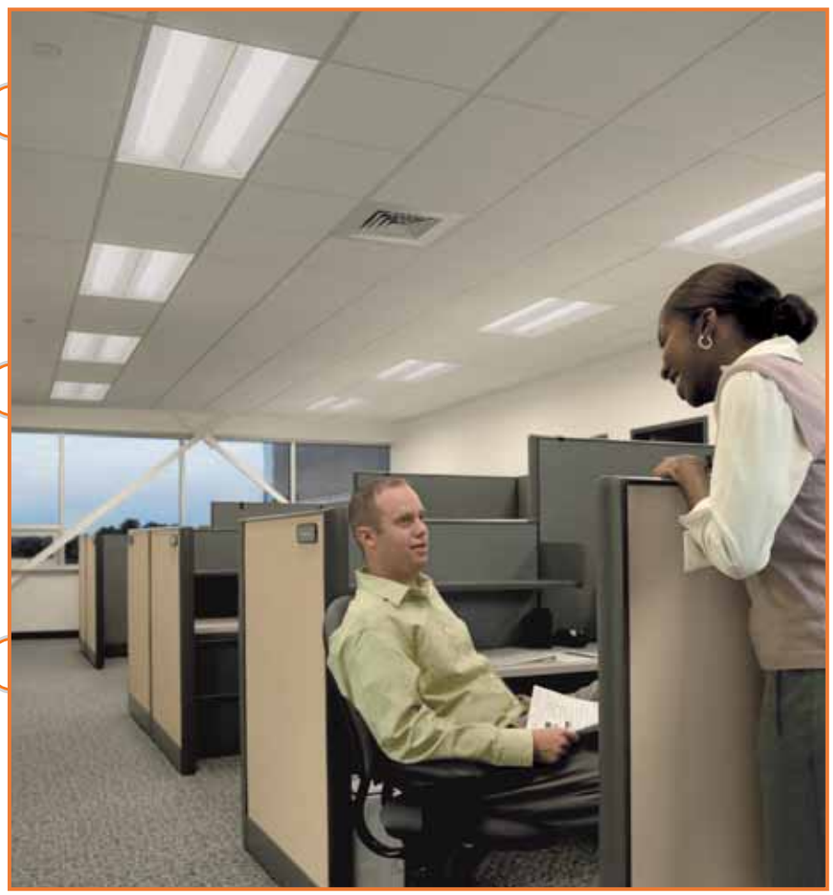
The unique optical design of the RT5™ luminaire distributes light uniformly onto room and cubicle walls, from the bottom nearly to the top, eliminating the caving effect common with parabolics.

QUIET PLEASE

With its recessed refractor, high-angle control, and balanced fixture-to-ceiling luminance ratio, the RT5™ Series produces a quiet ceiling that is not dominated by bright openings.

GOODBYE GLARE

RT5™ fixtures produce volumetric light, while controlling light at high angles. This eliminates direct glare, as well as computer glare for the most widely used monitors and software today.



RT5™



Intended Use

The RT5™ Series is designed for applications where comfort, aesthetics and energy savings are important. With volumetric lighting, this product is ideal for offices, schools, hospitals, retail and numerous other commercial applications.

Features

Two-lamp RT5™ luminaire provides 33% energy savings when compared to a common three-lamp T8 system.

Low profile 3 1/8" depth makes the RT5™ fixture ideal for applications where plenum height is a factor.

Two-piece refractor system uses the combination of diffusing optical film and precisely extruded prisms to efficiently diffuse light.

Reflector includes micro-facets that echo the frequency of the prisms in the refractor, providing a quiet appearance in the ceiling.

Available in a number of ballast configurations including set light output or step level dimming. Step-dimming options (available on some units) allow the system to be switched to 50% power for compliance with common energy codes while illuminating both lamps.

Sloped endplates provide a balanced fixture-to-ceiling ratio while enhancing the perception of fixture height.

Ballast/lamp ballast efficacy of F28T5 is 100+ LPW.

Side-mounted ballast tray accessed by removing adjacent ceiling tile.

Listings

UL Listed (standard). CSA Certified (see Options).

Ordering Information

Example: **2RT5 28T5 MVOLT GEB95 LPM835P**

Series	Mounting	Number of lamps[1]	Wattage[2]	Voltage	Ballast[2]	Lamp type[3]	Options
2RT5 2' wide	(blank) Grid	**1**	**14T5** 14W T5 (22")	**MVOLT**	**GEB95**	**LPM835P** Lamped with premium 3500°K lamp[4]	**PWS1836** 6' prewire, 3/8" diameter, 18-guage, 3 wire[6]
RT5 1' wide	**F** Flange	**2**	**24T5HO** 24W T5HO (22")	**347**	**GEB95S**	**LPM830P** Lamped with premium 3000°K lamp[4]	**PWS1846** 6' prewire, 3/8" diameter, 18-guage, 4 wire[7]
			28T5 28W T5 (46")		**GEB115**	**LPM841P** Lamped with premium 4100°K lamp[4]	**GLR** Fast blow fuse[8]
			54T5HO 54W T5HO (46")		**GEB115S**	**LP835** Lamped with premium 3500°K lamp[5]	**EL14** Emergency battery pack
					GEB10PS	**LP830** Lamped with premium 3000°K lamp[5]	**CSA** CSA Certified[9]
						LP841 Lamped with premium 4100°K lamp[5]	

NOTES:
1 RT5™ 1x4 only. All other configurations are two-lamp.
2 Consult product availability for wattages and ballast types.
3 Lamp type required. All fixtures shipped with lamps installed.
4 F28T5 lamp type only.
5 F14T5, F24T5HO and F54T5HO lamp types only.
6 For use with standard, non step-dimming ballast.
7 For use with step-dimming ballast.
8 Specify voltage.
9 Consult factory for 347V.

Availability and Dimensions

Series	Nominal size	Number of lamps	Lamp type	Ballast	Description
2RT5	2'x4'	2	28T5	GEB95	Standard, set light output, .95BF
			28T5	GEB95S	Standard, step dimming, .95BF
			28T5	GEB115	High light, set light output, 1.15BF
			28T5	GEB115S	High light, step dimming, 1.15BF
			54T5HO	GEB10PS	Very high output, set light output, 1.0BF
2RT5	2'x2'	2	14T5	GEB115	High light, set light output, 1.15BF
			14T5	GEB115S	High light, step dimming, 1.15BF
			24T5HO	GEB10PS	Very high output, set light output, 1.0BF
RT5	1'x4'	1	28T5	GEB10PS	Standard, set light output, 1.0BF
		2	28T5	GEB95	Standard, set light output, .95BF
		2	28T5	GEB95S	Standard, step dimming, .95BF
		1	54T5HO	GEB10PS	Very high output, set light output, 1.0BF

RT5X



Intended Use

The surface-mount RT5™ Series is designed for applications where comfort, aesthetics and energy savings are important. With volumetric lighting, this product is ideal for offices, schools, hospitals, retail and numerous other commercial applications.

Features

Two-lamp RT5™ luminaire provides 33% energy savings when compared to a common three-lamp T8 system.

Low profile 3 5/8" in depth.

Two-piece refractor system uses the combination of diffusing optical film and precisely extruded prisms to efficiently diffuse light.

Reflector includes micro-facets that echo the frequency of the prisms in the refractor, providing a quiet appearance in the ceiling.

Available in a number of ballast configurations including set light output or step level dimming. Step-dimming options (available on some units) allow the system to be switched to 50% power for compliance with common energy codes while illuminating both lamps.

Ballast/lamp efficacy of F28T5 is 100+ LPW.

Listing

UL Listed (standard). CSA Certified (see Options).

Ordering Information

Example: **2RT5X 28T5 MVOLT GEB95 LPM835P**

Series	Wattage	Voltage	Ballast	Lamp type[3]	Options
2RT5X 2' wide	**14T5** 14W T5 (46")	**MVOLT**	**GEB95**	**LPM835P** Lamped with premium 3500°K lamp	**GLR** Fast blow fuse
	24T5HO 24W T5HO (46")	**347**	**GEB95S**	**LPM830P** Lamped with premium 3000°K lamp	**EL14** Emergency battery pack
	28T5 28W T5 (46")		**GEB115**	**LPM841P** Lamped with premium 4100°K lamp	**CSA** CSA Certified
	54T5HO 54W T5HO (46")		**GEB115S**	**LP835** Lamped with premium 3500°K lamp	
			GEB10PS	**LP830** Lamped with premium 3000°K lamp	
				LP841 Lamped with premium 4100°K lamp	

Availability and Dimensions

Series	Nominal size	Number of lamps	Lamp type	Ballast	Description
2RT5X	2'x4'	2	28T5	GEB95	Standard, set light output, .95BF
			28T5	GEB95S	Standard, step dimming, .95BF
			28T5	GEB115	High light, set light output, 1.15BF
			28T5	GEB115S	High light, step dimming, 1.15BF
			54T5HO	GEB10PS	Very high output, set light output, 1.0BF
2RT5X	2'x2'	2	14T5	GEB115	High light, set light output, 1.15BF
			14T5	GEB115S	High light, step dimming, 1.15BF
			24T5HO	GEB10PS	Very high output, set light output, 1.0BF

Avante®
Recessed Direct/Indirect Lighting

Architectural Fluorescent





Why Direct/Indirect?

The numerous lighting solutions available today allow the designer to choose the best fixtures based on the given architectural details of the space. Recessed direct/indirect is effective in spaces with low ceiling heights. Although originally developed for smaller private offices, anti-glare CRT screens, higher office partitions and improvements in information display have made recessed direct/indirect lighting effective in any open work area.

The high-angle light from the Avante® Series distributes light evenly throughout the space. This results in a lighter airy space with much less glare than any other recessed direct only system.





Surface / Sconces



AVSM



AVSP



AVSR



AVSC

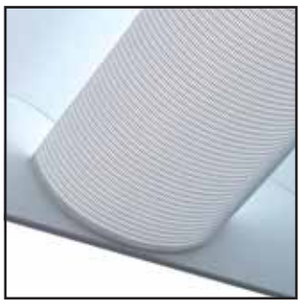
Standard Diffusers



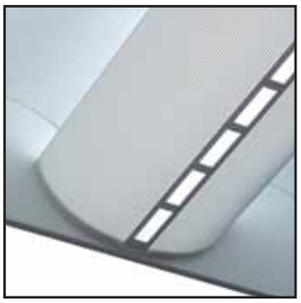
MDR



SBL



MDM



MDC

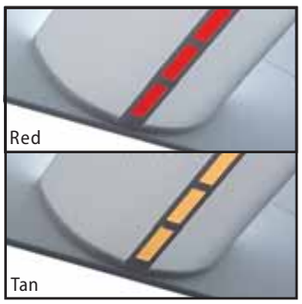
Wide Range of Options

The direct-through-the-diffuser light represents about 70% of the total light. The most popular diffuser is the round hole perforated metal diffuser backed with thin acrylic opal insert. This combination provides a pleasing balance between the brightness of the white reflectors and the surface of the diffuser. Acrylic lensed diffusers, straight blade louvers and slotted perforated patterns change the direct lighting effect and fixture's appearance.

Fixture brightness can be reduced by choosing the optional Aluminum Stepped Reflector. The diffuse aluminum surface breaks up light and results in less glare and more comfortable lighting.

Color Accents





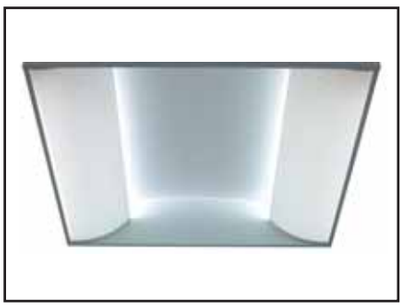
Light Distributions



Symmetric



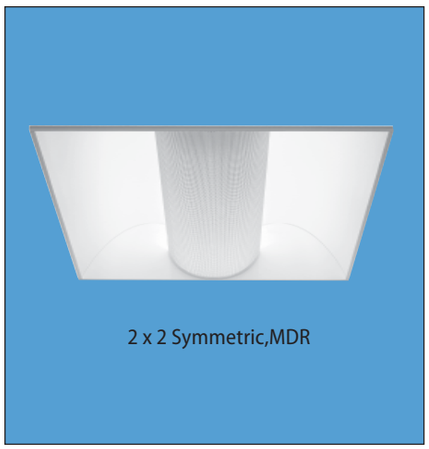
Asymmetric



SMD (Side Mounted Diffuser)

Avante®

2' X 2'



2 x 2 Symmetric,MDR

Intended Use

Originally developed for the small private office, Avante® 2x2 fixtures also are effective in corridors, libraries and food-service areas to enhance facial rendering and the feeling of space.

Features

Optimum mix of directional and diffuse reflected light for balanced illumination between task and proximate walls, enhanced visual comfort and minimized shadows.

Available in 2'x2' and 2'x4' symmetric distributions for general area lighting applications.

Choice of shielding options.

Matte-white polyester powder paint finished reflectors provide uniform light distribution. Optional diffuse aluminum stepped reflectors available.

Injection-molded plastic light traps prevent light leaks between shielding and end plates.

Compatible with screw slot and most 2-foot ceiling grids.

Covered by one or more of the following patents: 5,988,829; 399,586; 411,641; 413,402; 2,212,513; 87,513.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).

Ordering Information

Example: **2AV G 2 CF40 MDR MVOLT GEB10RS**

Series
2AV 2'wide, symmetric distribution

Trim type
G Grid trim
ST Screw slot

Air function
(blank) Standard
A Air supply/ return

Number of lamps
1
2
3
Not included.

Lamp type

17	17W	T8 (24")
14T5	14W	T5 (22")
24T5HO	24W	T5 (22")
CF40	40W	TT5 (24")
CF50	50W	TT5 (24")

Diffuser
MDR Metal diffuser, round holes
SBL Straight blade louver, round holes
MDM Metal diffuser, mini slots.
ADP Acrylic diffuser, linear prismatic lens
Others available; consult factory.

Light distribution
(blank) Symmetric distribution

Voltage
MVOLT
347
Others available; consult factory.

Options

GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10PS	T5 electronic ballast, ≤10% THD, program start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
ALG	Acrylic litter guard
GLR	Internal fast blow fuse[1]
APB	Air pattern control blades
CSA	CSA Certified (347 only)
NOM	NOM Certified

Reflector options

ASR	Aluminum stepped reflector

See page 31 for others.

NOTES:
1 Must specify 120 or 277 voltage.

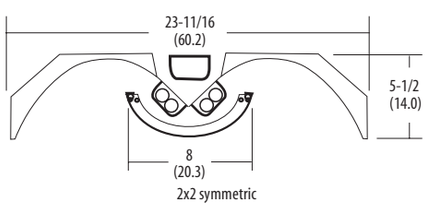
Ballast/Lamp Compatibility

	17	14T5	24T5HO	CF40	CF50
GEB10IS					
GEB10PS		■	■		
GEB10RS				■	■

Accessories (Order separately)

DGA_ Drywall ceiling adapter, unit installation. Use G trim plus DGA for support in plaster ceilings. (Add **22** for 2x2)

Dimensions are shown in **inches (centimeters)** unless otherwise noted.



Availability and Dimensions

Size	Series	Number of lamps	Lamp type	Height in.(cm)
2'x2'	2AV	1, 2, 3	14T5, 17, 24T5HO, CF40, CF50	5½ (14.0)

Avante®

2' X 4'

Intended Use

An exceptional general lighting product that performs well in large spaces with high ceilings. Especially suitable for open office areas, public indoor space, libraries and airport waiting areas.

Features

The optimum mix of directional and diffuse reflected light combine for balanced illumination between task and proximate walls, enhanced visual comfort and minimized shadows.

Available in 2'x2' and 2'x4' symmetric distributions for general area lighting applications. End-to-end row mounting capability.

Choice of shielding options.

Matte-white polyester powder paint finished reflectors provide uniform light distribution. Optional diffuse aluminum stepped reflectors available.

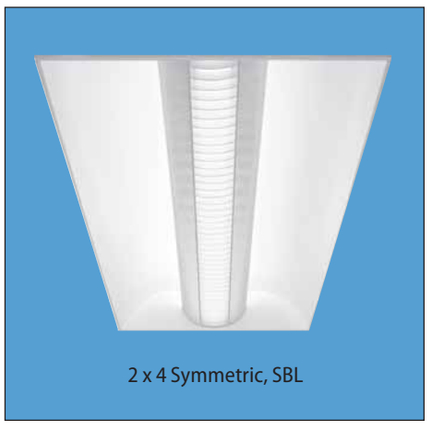
Injection-molded plastic light traps prevent light leaks between shielding and end plates.

Compatible with screw slots and most 2-foot ceiling grids.

Covered by one or more of the following patents: 5,988,829; 399,586; 411,641; 413,402; 2,212,513; 87,513.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).



2 x 4 Symmetric, SBL

Ordering Information

Example: **2AV G 3 32 MDR MVOLT GEB10IS**

Series
- **2AV** 2'wide, symmetric distribution

Trim type
- **G** Grid trim
- **ST** Screw slot

Air function
- (blank) Standard
- **A** Air supply/ return

Number of lamps
- **1**
- **2**
- **3**

Not included.

Lamp type
- **32** 32W T8 (48")
- **28T5** 28W T5 (46")
- **54T5HO** 54W T5 (46")

Diffuser
- **MDR** Metal diffuser, round holes
- **SBL** Straight blade louver, round holes
- **MDM** Metal diffuser, mini slots
- **ADP** Acrylic diffuser, linear prismatic lens

Others available; consult factory.

Light distribution
- (blank) Symmetric distribution

Voltage
- **MVOLT**
- **347**

Others available; consult factory.

Options
- **GEB10IS** T8 electronic ballast, ≤10% THD, instant start
- **GEB10PS** T5 electronic ballast, ≤10% THD, program start
- **GEB10RS** T8 electronic ballast, ≤10% THD, rapid start
- **ALG** Acrylic litter guard
- **GLR** Internal fast blow fuse[1]
- **APB** Air pattern control blades
- **CSA** CSA Certified (347 only)
- **NOM** NOM Certified

Reflector options
- **ASR** Aluminum stepped reflector

See page 31 for others.

NOTES:
1 Must specify 120 or 277 voltage.

lightquick® XD
Express delivery products.

See page11 for details about LightQuick XD.

Description
2AV G 2 CF40 MDR MVOLT GEB10RS
2AV G 3 32 MDR MVOLT 1/3 GEB10IS
2AV G 3 32 MDR MVOLT GEB10IS
2AV G 2 32 MDR MVOLT GEB10IS

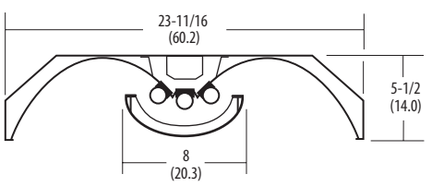
Ballast/Lamp Compatibility

	32	28T5	54T5HO
GEB10IS	■		
GEB10PS		■	■
GEB10RS	■		

Accessories (Order separately)

DGA_ Drywall ceiling adapter, unit installation. Use G trim plus DGA for support in plaster ceilings. (Add **24** for 2x4)

Dimensions are shown in **inches (centimeters)** unless otherwise noted.



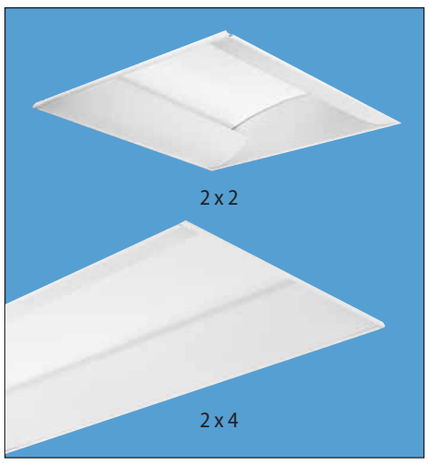
2x4 symmetric

Availability and Dimensions

Size	Series	Number of lamps	Lamp type	Height in.(cm)
2'x4'	2AV	1,2,3	28T5, 32, 54T5HO	5½ (14.0)

Avante®

Side-Mount Diffuser



Intended Use

Side-mounted diffuser, a recessed direct/indirect alternative with performance similar to symmetric Avante®. Especially suited for conference rooms, corridors and reception areas where soft, distinctive lighting is required.

Features

The optimum mix of directional and diffuse reflected light combine for balanced illumination between task and proximate walls, enhanced visual comfort and minimized shadows.

Available in 2'x2' and 2'x4' with side-mounted diffusers.

Available with MDR and MDM shielding options.

Matte-white polyester powder paint finished reflectors provide uniform light distribution. Optional low-brightness diffuse aluminum stepped reflectors available.

Can be installed in continuous rows.

Injection-molded plastic light traps prevent light leaks between diffusers and end plates.

Covered by one or more of the following patents: 5,988,829; 399,586; 411,641; 413,402; 2,212,513; 87,513.

Listings

UL Listed (standard). CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).

Ordering Information

Example: **2AV G 2 32 MDR SMD MVOLT GEB10RS**

Series
2AV 2' wide

Number of lamps
2
4
Not included.

Trim type
G Grid trim
ST Screw slot

Lamp type
17 17W T8 (24")
32 32W T8 (48")
14T5 14W T5 (22")
28T5 28W T5 (46")
24T5HO 24W T5 (22")
CF40 40W TT5 (24")[2]
CF50 50W TT5 (24")[2]
54T5HO 54W T5 (46")

Diffuser
MDR Metal diffuser, round holes
MDM Metal diffuser, mini slots
Others available; consult factory.

Voltage
MVOLT
347
Others available; consult factory.

Light distribution
SMD Side-mounted diffuser

Options
GEB10IS T8 electronic ballast, ≤10% THD, instant start
GEB10PS T5 electronic ballast, ≤10% THD, program start
GEB10RS T8 electronic ballast, ≤10% THD, rapid start
ALG Acrylic litter guard
GLR Internal fast blow fuse[1]
CSA CSA Certified (347 only)
NOM NOM Certified

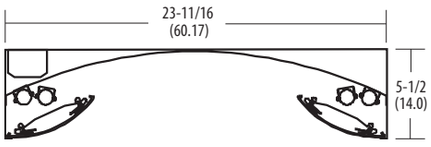
Reflector options
ASR Aluminum stepped reflector
See page 31 for others.

Accessories (Order separately)
DGA_ Drywall ceiling adapter, unit installation. Use G trim plus DGA for support in plaster ceilings. (Add **22** for 2x2, **24** for 2x4)

NOTES:
1 Must specify 120 or 277 voltage.
2 Two-lamp only.

Ballast/Lamp Compatibility

	17	32	14T5	28T5	24T5HO	CF40	CF50	54T5HO
GEB10IS		■						
GEB10PS			■	■	■			■
GEB10RS		■				■	■	



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Height in.(cm)
2'x2' SMD	2AV	2, 4	14T5, 17, 24T5HO	5½ (14.0)
		2	CF40, CF50	5½ (14.0)
2'x4' SMD	2AV	2,4	32, 28T5, 54T5HO	5½ (14.0)

Options		AV 1x2	AV 1x2 ASY	AV 1x4	AV 1x4 ASY	2AV 2x2	2AV 2x2 SMD	2AV 2x4	2AV 2x4 SMD
MDR	Metal diffuser round holes	■	■	■	■	■	■	■	■
MDM	Metal diffuser mini-slots	■	■	■	■	■	■	■	■
SBL	Straight blade louver	■		■		■	■	■	
ADP	Acrylic diffuser prismatic					■		■	
ASR	Aluminum stepped reflector	■	■	■	■	■	■	■	■
APB	Air pattern control blades	■		■		■		■	
ALG	Acrylic litter guard	■	■	■	■	■	■	■	■
GLR	Internal fast blow fuse	■	■	■	■	■	■	■	■
LP_	Lamped. Specify lamp type and color.	■	■	■	■	■	■	■	■
EL	Emergency battery pack (nominal 300 lumens, see Life Safety section)	■[1]	■[1]	■[1]	■[1]	■[1]	■[1]	■[1]	■[1]
EL55	Emergency battery pack for T5/T5HO (nominal 390-700 lumens, see Life Safety section)	■	■	■	■	■	■	■	■
PWS1836	6" prewire, 3/8" dia., 18-gauge, 3 wires	■	■	■	■	■	■	■	■
LST	Labor-saving tandem	■	■	■	■	■	■	■	■
NYC	New York City approved	■	■	■	■	■	■	■	■
CP	Chicago plenum approved	■	■	■	■	■	■	■	■

Accessories for drywall ceiling mounting *		AV 1x2	AV 1x4	2AV 2x2	2AV 2x4
DGA12	Drywall ceiling adapter	■			
DGA14	Drywall ceiling adapter		■		
DGA22	Drywall ceiling adapter			■	
DGA24	Drywall ceiling adapter				■

**Use G trim plus DGA accessory for fixture trim flange and fixture support in plaster or plasterboard ceilings.*

NOTES:
1 Compact fluorescent and T8 only.

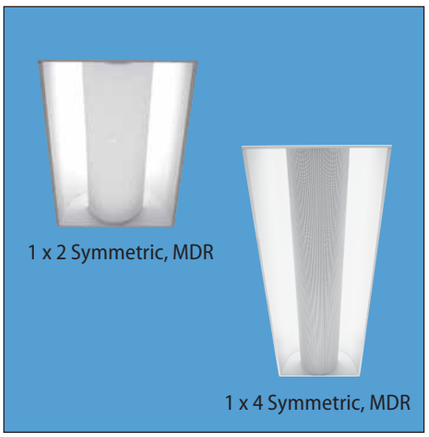


ALG

Acrylic litter guard is a panel of clear acrylic permanently hinged to each reflector. It effectively prevents litter from gathering in diffuser, yet does not interfere with relamping.

Avante®

1' X 2' and 1' X 4'
Symmetric



Intended Use

Symmetric 1'X4' Avante® fixtures provide general indoor lighting. When joined in continuous rows, they provide pleasant and efficient lighting for open office plans. Symmetric 1' X 2' fixtures often are used to light small areas.

Used in patterns, large public spaces illuminated with 1' wide symmetric Avante® fixtures are bright and attractive, yet with an unobtrusive ceiling.

Features

The optimum mix of directional and diffuse reflected light combine for balanced illumination between task and proximate walls, enhanced visual comfort and minimized shadows.

Available in 1'x 2' and 1'x 4' symmetric distributions for general area lighting applications. End-to-end row mounting capability.

Available with a variety of shielding options.

Matte-white polyester powder paint finished reflectors provide uniform light distribution. Optional diffuse aluminum stepped reflectors available.

Injection-molded plastic light traps prevent light leaks between shielding and end plates.

Covered by one or more of the following patents: 5,988,829; 399,586; 411,641; 413,402; 2,212,513; 87,513.

Listings

UL Listed (standard). CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).

Ordering Information

Example: **AV G 2 32 MDR MVOLT GEB10RS**

Series
AV 1' wide, symmetric distribution

Trim type
G Grid trim
ST Screw slot

Air function
(blank) Standard
A Air supply/return

Number of lamps
1
2
Not included.

Lamp type
17 17W T8 (24")
32 32W T8 (48")
14T5 14W T5 (22")
28T5 28W T5 (46")
CF40 40W TT5 (24")
CF50 50W TT5 (24")
54T5HO 54W T5 (46")

Diffuser
MDR Metal diffuser, round holes
SBL Straight blade louver, round holes
MDM Metal diffuser, mini slots.
Others available; consult factory.

Light distribution
(blank) Symmetric distribution

Voltage
MVOLT
347
Others available; consult factory.

Options
GEB10IS T8 electronic ballast, ≤10% THD, instant start
GEB10PS T5 electronic ballast, ≤10% THD, program start
GEB10RS T8 electronic ballast, ≤10% THD, rapid start
ALG Acrylic litter guard
GLR Internal fast blow fuse[1]
CSA CSA Certified (347 only)
NOM NOM Certified

Reflector options
ASR Aluminum stepped reflector
See page 31 for others.

NOTES:
1 Must specify 120 or 277 voltage.

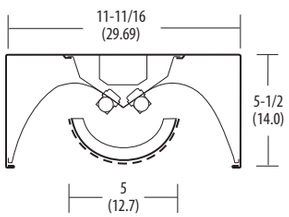
Accessories (Order separately)

DGA_ Drywall ceiling adapter, unit installation. Use G trim plus DGA for support in plaster ceilings. (Add **12** for 1x2, **14** for 1x4)

Ballast/Lamp Compatibility

	17	32	14T5	28T5	CF40	CF50	54T5HO
GEB10IS		■					
GEB10PS			■	■			■
GEB10RS		■			■	■	

Dimensions are shown in **inches (centimeters)** unless otherwise noted.



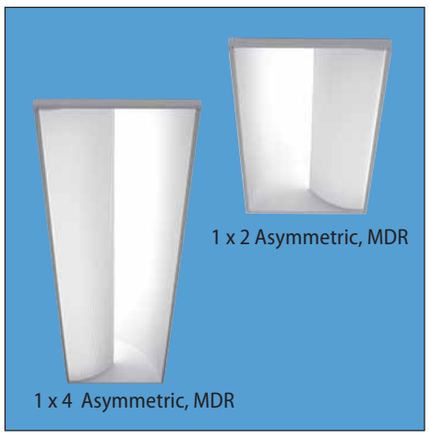
1x4 symmetric

Availability and Dimensions

Size	Series	Number of lamps	Lamp type	Height in.(cm)
1'x2'	AV	1, 2	17, 14T5, CF40, CF50	5½ (14.0)
1'x4'	AV	1, 2	28T5, 32, 54T5HO	5½ (14.0)

Avante®

1' X 2' and 1' X 4'
Asymmetric



Intended Use

Asymmetric products deliver uniform vertical illumination. They produce excellent corridor lighting or accent lighting for retail applications in continuous rows.

Features

Optimum mix of directional and diffuse reflected light combine for balanced illumination between task and proximate walls, enhanced visual comfort and minimized shadows.

Asymmetric distribution available for dedicated wall washing or in combination with symmetric luminaires to maintain perimeter illumination.

Available with a variety of shielding options.

Matte-white polyester powder paint finished reflectors provide uniform light distribution. Optional diffuse aluminum stepped reflectors available.

Injection-molded plastic light traps prevent light leaks between shielding and end plates.

Compatible with screw slot and most 2-foot ceiling grids.

Covered by one or more of the following patents: 5,988,829; 399,586; 411,641; 413,402; 2,212,513; 87,513.

Listings

UL Listed (standard). CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).

Ordering Information

Example: **AV G 1 CF40 MDR ASY MVOLT GEB10RS**

Series
AV 1' wide asymmetric distribution

Trim type
G Grid trim
ST Screw slot

Air function
(blank) Standard
A Air supply/return[1]

Number of lamps
1
2[2]
Not included.

Lamp type

17	17W	T8 (24")
32	32W	T8 (48")
14T5	14W	T5 (22")
28T5	28W	T5 (46")
24T5HO	24W	T5 (22")
CF40	40W	TT5 (24")
CF50	50W	TT5 (24")
54T5HO	54W	T5 (46")

Diffuser
MDR Metal diffuser, round holes
MDM Metal diffuser, mini slots.
Others available; consult factory.

Light distribution
ASY Asymmetric distribution

Voltage
MVOLT
347
Others available; consult factory.

Options

GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10PS	T5 electronic ballast, ≤10% THD, program start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
ALG	Acrylic litter guard
GLR	Internal fast blow fuse[3]
CSA	CSA Certified (347 only)
NOM	NOM Certified

Reflector options

ASR	Aluminum stepped reflector

See page 31 for others.

NOTES:
1 Not available in AV 1x2 asymmetric.
2 2-lamp available only in AV 1x2 with 14T5, 17, or 24T5HO.
3 Must specify 120 or 277 voltage.

Ballast/Lamp Compatibility

	17	32	14T5	24T5HO	CF40	CF50	28T5	54T5HO
GEB10IS	■	■						
GEB10PS			■	■			■	■
GEB10RS	■	■			■	■		

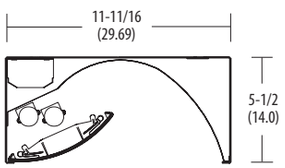
Availability and Dimensions

Size	Series	Number of lamps	Lamp type	Height in.(cm)
1'x2' ASY	AV	1, 2 1	14T5, 17, 24T5HO CF40, CF50	5½ (14.0) 5½ (14.0)
1'x4' ASY	AV	1, 2	32,28T5, 54T5HO	5½ (14.0)

Accessories (Order separately)

DGA_ Drywall ceiling adapter, unit installation. Use G trim plus DGA for support in plaster ceilings. (Add **12** for 1x2, **14** for 1x4)

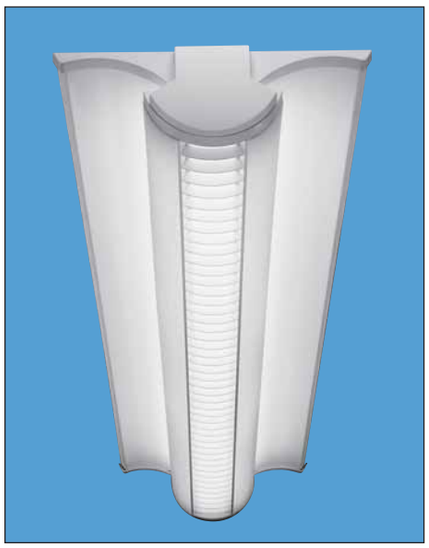
Dimensions are shown in **inches (centimeters)** unless otherwise noted.



1x2 asymmetric

Avante®

Surface/Suspended



Intended Use

1x2 – ideal for general or task lighting in alcoves, narrow corridors and small spaces. *1x4* – suitable for general area or task-specific lighting in both new construction and remodeling. Especially suited for conference rooms, reception areas, health care institutions, education facilities and offices.

Features

Contemporary, low-profile construction, suitable for surface and suspended mounting, providing direct or semi-direct light distribution.

Rugged steel housing in 2', 4' or 8' field-joinable units for continuous rows.

Injection molded joiners with snap-on finished ends.

Available with popular Avante® 1x4 shieldings – MDR, MDM and SBL.

Reflectors finished with high-reflectance, matte-white polyester powder paint for uniform light distribution.

Reflector option includes painted white steel reflectors with or without semi-perforated option for uplight, or diffuse aluminum stepped reflector (ASR).

T5HO or T8 lamping configurations available.

Listings

UL Listed (standard). CSA Certified (standard; except for 347V – see Options).

Ordering Information

Example: **AVSM 2 32 MDR DLS MVOLT GEB10RS**

Series

AVSM	1' wide, 2' and 4' long
TAVSM	1' wide, 8' long

Number of loss lamps in cross section

1	
2[1]	

Not included.

Lamp type

17	17W	T8 (24")
32	32W	T8 (48")
14T5	14W	T5 (22")
28T5	28W	T5 (46")
24T5HO	24W	T5 (22")
CF40	40W	TT5 (24")
CF50	50W	TT5 (24")
54T5HO	54W	T5 (46")

Diffuser

MDR	Metal diffuser, round holes
MDM	Metal diffuser, mini slots
SBL	Straight blade louver, round holes

Others available; consult factory.

Light distribution

ULR	Uplight, round hole, perforated band[2]
DLS	Downlight, solid

Voltage

MVOLT
347

Others available; consult factory.

Options

GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10PS	T5 electronic ballast, ≤10% THD, program start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
ALG	Acrylic litter guard
GLR	Internal fast blow fuse[3]
CSA	CSA Certified (347 only)

Reflector options

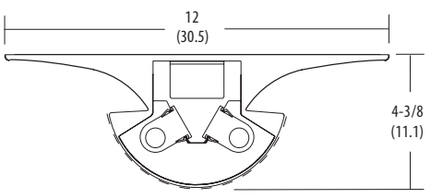
ASR	Aluminum stepped reflector[4]

NOTES:
1. Available with straight-tube T5 or T8 lamps only.
2. For suspended mounting only.
3. Must specify 120 or 277 voltage.
4. Not available with ULR.

Ballast/Lamp Compatibility

	17	32	14T5	28T5	24T5HO	CF40	54T5HO
GEB10IS		■					
GEB10PS			■	■	■		■
GEB10RS	■	■				■	

Dimensions shown in **inches (centimeters)** unless otherwise noted.



Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Length
1'x2'	AVSM	1, 2	17, 14T5, 24T5HO	2'
		1	CF40, CF50	2'
1'x4'	AVSM	1, 2	32, 28T5, 54T5HO	4'
1'x8'	TAVSM	1, 2	32, 28T5, 54T5HO	8'

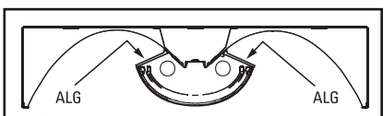
Options for AVSM		AVSM 1x2	AVSM 1x4	TAVSM 1x8
GLR	Internal fast blow fuse	■	■	■
LP_	Lamped; specify lamp type and color	■	■	■
EL	Emergency battery pack (nominal 300 lumens, see Life Safety section)		■[1]	■[1]
EL55	Emergency battery pack for T5/T5HO (nominal 390-700 lumens, see Life Safety section)		■[1]	■[1]
MDR	Metal diffuser, round holes	■	■	■
MDM	Metal diffuser, mini-slots	■	■	■
SBL	Straight blade louver	■	■	■
ALG	Acrylic litter guard	■	■	■

Accessories for AVSM		AVSM 1x2	AVSM 1x4	AVSM 1x8
AVAC_	For grid mounting, adjustable cables non-feed individual or row fixtures	■	■	■
AVACF_	For grid mounting, adjustable cables feed individual fixtures (18ga SJT)	■	■	■
AVACF_12AWG	For grid mounting, adjustable cables feed row fixtures (12 ga SJT)	■	■	■
AVAC_DWL	For j-box or dry wall mounting, adjustable cables non-feed individual or row fixtures	■	■	■
AVACF_DWL	For j-box or dry wall mounting, adjustable cables feed individual fixtures (18 ga SJT)	■	■	■
AVACF_DWL12AWG	For j-box or dry wall mounting, adjustable cables feed row fixtures (12 ga SJT)	■	■	■
SCY_	For j-box or dry wall mounting, stem mount non-feed or feed individual or row fixtures	■	■	■

Note: *Fixtures supplied with 15/16" t-grid mounting hardware standard.*

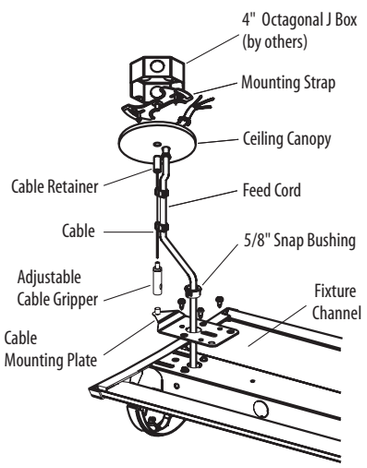
Lengths for AVSM accessories above (example: AVACF30)		AVSM 1x2	AVSM 1x4	AVSM 1x8
_30	3" to 30" below ceiling adjustable cable mounting	■	■	■
_60	30" to 60" below ceiling adjustable cable mounting	■	■	■
_96	60" to 96" below ceiling adjustable cable mounting	■	■	■
_144	96" to 144" below ceiling adjustable cable mounting	■	■	■
SCY4	4" below ceiling stem mounting	■	■	■

NOTES:
1. Cannot be field installed.

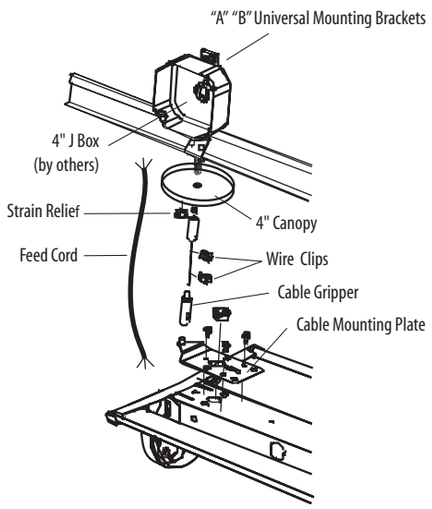


ALG

Acrylic litter guard is a panel of clear acrylic permanently hinged to each reflector. It effectively prevents litter from gathering in diffuser, yet does not interfere with relamping.



Adjustable Cable Feed
(Dry Wall Mounting)



Adjustable Cable Feed
(Grid Mounting)

Avante®

Sconces ADA

Features

Sconces include corridor and accent lighting in hospitality, educational, health care and circulation areas.

Listings

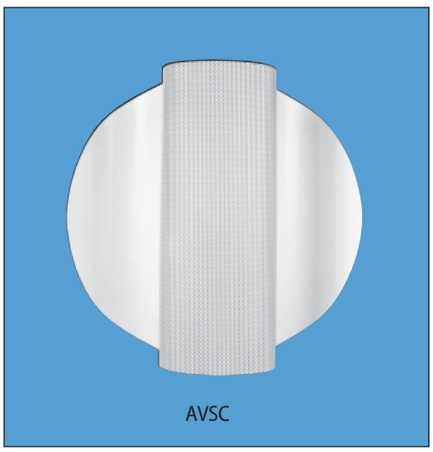
UL Listed (standard). CSA Certified or NOM Certified (see Options). All Avante® sconces are ADA compliant.



AVSP



AVSR



AVSC

Ordering Information

Example: **AVSP 2 13TT MDR 120**

Model number

- **AVSP** Perforated shield[1]
- **AVSR** Recessed perforated[1]
- **AVSC** Cylinder

Number of lamps[2]

- **1**
- **2**[3]

Not included.

Lamp type

- **13TT**[4]
- **13DTT**[4]
- **CF18**[5]
- **26DTT**[6]
- **26TRT**[6]
- **32TRT**[6]

Diffuser

- **MDR** Metal diffuser, round holes
- **MDM** Metal diffuser, mini slots

Voltage

- **120**
- **277**
- **347**

Others available; consult factory.

Options[4]

- **ALB** Anodized aluminum backplate[4]
- **CSA** CSA Certified
- **NOM** NOM Certified

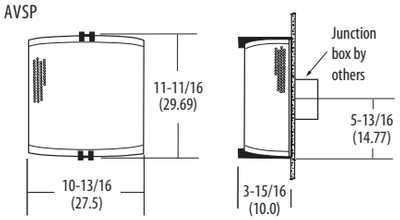
ADA Compliant.

Reflector options

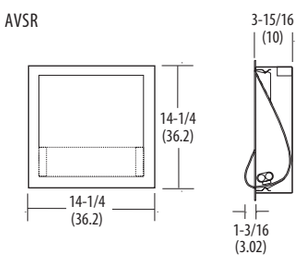
- **ASR** Aluminum stepped reflector[7]

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

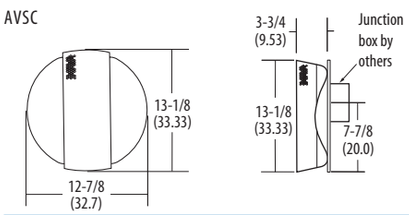
AVSP



AVSR



AVSC



NOTES:

1 Dimming available.
2 Lamps not included.
3 Two-lamp available with AVSP models only.
4 Available with AVSP only.
5 Not available with AVSP.
6 Not available with AVSC.
7 Available with AVSC only.
8 1¼ (3.2) extension from wall.

Lamp Designations

Type	Description
13TT	13W T4 twin-tube, 2-pin, GX23 base
13DTT	13W quad-tube, 4-pin electronic ballast, G24q-1 base
CF18	18W twin-tube T5
26DTT	26W quad-tube, 4-pin
26TRT	26W tri-tube, 4-pin
32TRT	32W tri-tube, 4-pin

Availability and Dimensions

Model number	Number of lamps	Lamp type	Width in.(cm)	Depth in.(cm)	Length in.(cm)
AVSP	2	13TT, 13DTT, 26DTT	10 13/16 (27.5)	3 15/16 (10.0)	10 13/16 (27.5)
AVSR[8]	1	CF18, 26DTT, 26TRT, 32TRT	14¾ (37.5)	5 3/16 (13.2)	14¾ (37.5)
AVSC	1	CF18	12 7/8 (32.7)	3¾ (9.5)	13 1/8 (33.3)

Perceiva®

W W



Intended Use

Provides high performance, uniform, wall illumination. Highlights merchandise, artwork and signage.

Features

Recessed fluorescent wallwash system provides energy-efficient accent lighting.

Provides maximum wall illumination with minimum brightness.

Eliminates hot spots, scalloping and shadows on vertical surfaces.

Highlights artwork, signage and merchandise.

High performance — 92% of light output illuminates wall. Asymmetric-throw reflector completely surrounds lamp cavity.

Choice of one or two T5 or T5H0 lamps or compact lamp versions.

Ballast accessible from room side.

Reversible end trim accommodates both grid and screw-slot ceiling systems.

GF trim provides ceiling-tile support trims on long sides, grid trim on ends. Continuous row (grid trim only) or unit installation.

T-bar hold-down clips supplied standard. DGA accessory available to provide trim flange and fixture support in plaster or plasterboard ceilings. For use with G trim fixture.

Listings

UL Listed (standard). CSA Certified (see Options).

Ordering Information

Example: **WW G 2 32 120 IRLS GEB**

Series

WW 12" wide

For tandem double-length unit, add prefix **T**.

Example: **TWW**

Trim type

G Lay-in grid[1]

GF Grid flanged[2]

ST Screw slot

Number of lamps

1

2[3]

Not included.

Lamp type

17 17W T8 (24")

32 32W T8 (48")

14T5 14W T5 (22")

24T5H0 24W T5 (22")

CF40 40W TT5 RS (24")

CF50 50W TT5 RS (24")

28T5 28W T5 (46")

54T5H0 54W T5 (46")

Voltage

120

277

347

MVOLT*

Others available; consult factory.

*120-277V.

Must specify GEB10IS.

Reflector finish

IRLS Low iridescent specular silver

IRLD Low iridescent diffuse silver

Options

GEB Electronic ballast, ≤20% THD

GEB10IS T8 electronic ballast, ≤10% THD, instant start

GEB10RS T8 electronic ballast, ≤10% THD, rapid start

CSA CSA Certified

See pages 109 for others.

NOTES:

1 Use G trim plus DGA accessory for fixture-trim flange and fixture support in plaster or plasterboard ceilings.

2 Flanged sides, grid ends used in grid applications only.

3 2-lamp T5 and T5HO only.

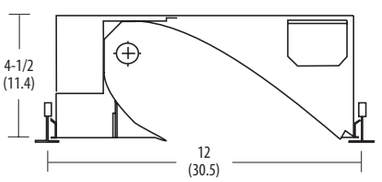
4 Insert fixture width and length (in feet). Example: **DGA12.**

Accessories	(Order separately)
DGA	Flanged grid to drywall adapter, unit installation[4]

Availability and Dimensions

Series	Nominal length	Lamps per cross section	Lamps per fixture	Lamp type	Height in.(cm)
WW	2'	1	1	17, CF40, CF50, 14T5, 24T5HO	4½ (11.4)
WW	4'	1	1	32, 28W T5, 54W T5HO	4½ (11.4)
TWW	4'	1	2	CF40, CF50	4½ (11.4)

Dimensions are shown in **inches (centimeters)** unless otherwise noted.



Recessed Perimeter System

RP



Intended Use

Delivers wall illumination for continuous recessed perimeter lighting applications. Provides conformable corridor and effective accent lighting.

Features

Continuous recessed wallwash lighting, available in any run length.

Full range of corner angles.

Choice of one or two lamps, staggered strip or butt strip electrical, optional internal reflector and a wide range of shielding for application flexibility.

Available in choice of air function.

Compatible with virtually all ceiling types.

Single-circuit, plug-in system standard. Facilitates installation and prevents field miswiring. Two-circuit plug-in available.

Parabolic louvers are cantilevered from ceiling side of housing to allow for irregularities in wall surfaces.

Matches appearance of Paramax® family fixtures.

Listings

UL Listed (standard). CSA Certified (see Options).

IMPORTANT: Specify a separate catalog number for each RP run length by designating both the *product information* and the *row takeoff information* below. Be sure measurements and corner conditions are specified on a continuous path around the proposed system.

Ordering Information

Example: **RP 2 32 SE MVOLT GEB10IS SBL**

Series
RP

Channel options
(blank) None
APB Air pattern control blade (with A)
HRD Heat removal damper (with H)

Lamps per cross section
1
2
Not included.

Electrical style
SE Staggered (SS)
BE Butt (C)

Voltage
MVOLT
347
Others available.

Shielding[1]
A12125 #12 pattern acrylic, .125" thick
ACF Flat white acrylic
PC1 ½" X ½" x ½" louver
PC2 1½" X 1½" x 1" louver
PC3 ¾" X ¾" x ½" louver
SBL Straight blade louver, white
PBL12 Parabolic louver[3]

Air function[1]
(blank) Static, no reveal
B Static with reveal
A Air supply/return with reveal
H Heat-removal with reveal

Lamp type
17 17W T8 (24")
25 25W T8 (36")
32 32W T8 (48")

Options[1]
GLR Internal fast blow fusing
GEB10IS T8 electronic ballast, ≤10% THD, instant start
GEB10RS T8 electronic ballast, ≤10% THD, rapid start
CSA CSA Certified

Internal reflector
R

Row Takeoff Information

Start condition
E End
IC Inside corner
OC Outside corner

Corner angle[2]
90 90°
135 135°

End condition
E End
IC Inside corner
OC Outside corner

Corner angle[2]
90 90°
135 135°

Row length
___ (Specify feet and inches)

NOTES:
1 Others available. Consult factory.
2 Available only with IC or OC.

NAT
CNAT

Intended Use

Recessed louvered (or lensed) architecturally styled products provide linear illumination for retail and other indoor applications.

Features

Narrow 6", 8", 9" and 12" linear products for single or continuous-row applications. NAT models in 2', 3' and 4' lengths. CNAT models suitable for continuous-row applications in sizes up to 8'.

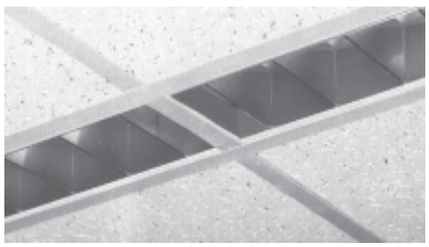
Up to 2" deep parabolic louver available in choice of louver finish. Other shielding types available.

Compatible with most ceiling types. See page 107.

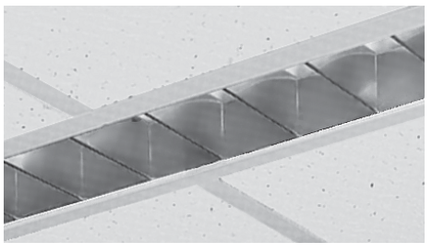
Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

NAT – For single-unit applications



CNAT – For continuous-row applications



Ordering Information

Example: **8NAT G 1 32 203LD MVOLT GEB10IS**

Series

- **6NAT** 6" wide
- **8NAT** 8" wide
- **9NAT** 9" wide
- **NAT** 12" wide
- **6CNAT** 6" wide
- **8CNAT** 8" wide
- **9CNAT** 9" wide
- **CNAT** 12" wide

For CNAT tandem double-length unit and double cells, add prefix **T**. Example: **T8CNAT.**

Mounting

- **G** Lay-in grid
- **F** Flanged (see chart below)
- **GF** Grid ends, flanged sides[1]

Number of lamps

- **1**
- **2**

Not included.

Lamp type

- **17** 17W T8 (24")
- **25** 25W T8 (36")
- **32** 32W T8 (48")

Voltage

- **MVOLT**
- **347**

Others available; consult factory.

Options

- **GEB10IS** T8 electronic ballast, ≤10% THD, instant start
- **GEB10RS** T8 electronic ballast, ≤10% THD, rapid start
- **CSA** CSA Certified
- **NOM** NOM Certified

See page 109 for others.

Louver depth

- **15** 1.5" louver
- **20** 2" louver

Louver blade spacing

- **2** 2" center-to-center[2]
- **3** 3" center-to-center

Louver finish[3]

- **LD** Low iridescent anodized semi-specular silver
- **LS** Low iridescent anodized specular silver

OR

Layin diffuser type

- **A12** #12 pattern acrylic
- **A19** #19 pattern acrylic, .156" thick

NOTES:
1. Available in NAT models only.
2. 2" spacing available on 1.5" louver depth only.
3. All lenses and louvers lift and shift.
4. T (tandem) units use two louvers.

Row Information For NAT, Flanged Mounting Only
(Add suffix to catalog number)

- **CRE** Trim for NAT continuous row end. Two required per row.
- **CRM** Trim for NAT continuous row middle. Quantity per row is number of fixtures in row less two CRE.

CNAT Accessories (Order separately)

- **_CNATGEP** One pair end plates for CNAT with G trim. End plate trim supports ceiling tile. Order one pair per row. Specify 6 (6"), 8 (8"), 9 (9") or leave blank for 12".
- **_CNATFEP** One pair end plates for CNAT with F trim. Order one pair per row. Specify 6 (6"), 8 (8"), 9 (9") or leave blank for 12".

Availability and Dimensions

Series	Nominal length	Number of lamps	Lamp type	Number of cells 2" spacing	Number of cells 3" spacing	Height in.(cm)
NAT/CNAT	2' (Standard)	1, 2	17	12	8	6 (15.2)
	3' (Standard)	1, 2	25	18	12	6 (15.2)
	4' (Standard)	1, 2	32	24	16	6 (15.2)
TCNAT	6' (Tandem)[4]	1, 2	25	18x2[4]	12x2[4]	6 (15.2)
	8' (Tandem)[4]	1, 2	32	24x2[4]	16x2[4]	6 (15.2)

Paramax® / Optimax®

Benchmark of Enduring Quality



The Paramax® Series, today's premier family of parabolic luminaires, offers a comprehensive selection of recessed and surface-mounted parabolics. A marriage of aesthetics and performance, Paramax® fixtures are the standard by which other parabolics are measured.

Design Flexibility

The versatility of the Paramax® Series is further enhanced by a wide variety of optional configurations and companion luminaires, such as the RP architectural perimeter system and the NAT and CNAT narrow aperture series. Paramax® models are available for up to eight lamps with a choice of louver configurations, a full range of air functions and trim styles to fit virtually every type of ceiling system.

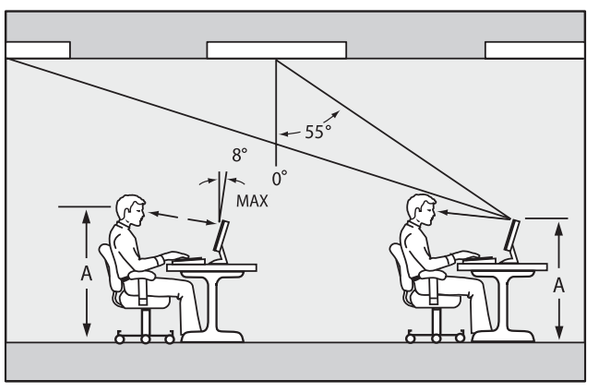
Paramax® 2PM3N Luminaires

The Paramax® 2PM3N Series features innovative, state-of-the-art design that provides optimal performance with T8 lamps and electronic ballasts. The 2PM3N louver is engineered for maximum efficiency while maintaining excellent optical control and visual comfort. The housing is only 4½" deep, which allows installation in shallow plenums and features a superior paint finish, hemmed edges for ease of handling and integral T-bar retention.

Optimax® Series Controls Glare

Optimax® fluorescent lighting system eliminates objectionable PC screen glare[1] caused by luminaire reflections. The key to Optimax® performance is the combination of an optimum shielding design that controls light at glare-producing angles and precise optical assemblies made of specially formulated, low iridescent, highly specular anodized aluminum.

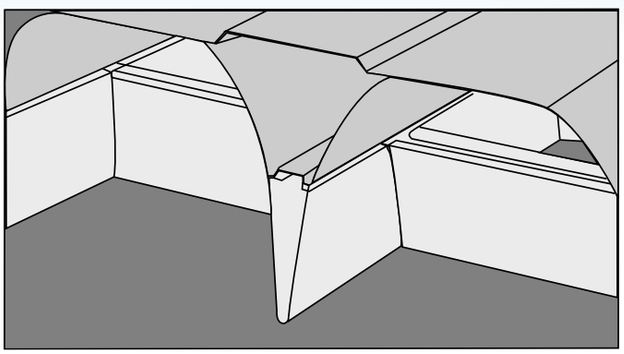
As a result, Optimax® fixtures encourage productivity by eliminating the reflected luminaire screen glare that workers find uncomfortable.



1 The Optimax® Series effectively controls reflected glare in all workstations that meet ANSI/HFS Standard No. 100-1988 for operator and computer screen positions. All Optimax® fixtures meet criteria established by the lighting industry for fixture brightness in PC applications, including IES RP-1.

Designing with Optimax® Luminaires

The Optimax® Series was created to provide appropriate lighting levels for large open office areas where PCs are used. Optimax® fixtures are available in a wide variety of sizes, air-handling functions, ceiling trim types and surface-mounted configurations that allow you to choose the appropriate luminaire for a specific application need. Small office areas and spaces that are adjacent to open areas are ideal for low-brightness Paramax® fixtures as a complement to Optimax® fixtures.



Unique Louver Design – Carefully formed louvers are shaped in a true tangential parabola for superior light control. Contoured housing (2'x4' and 20"x4' models) continues the parabolic shape of the louver to envelop the lamp in a fully reflective cavity. Precise fit between housing and louver eliminates light leaks, minimizes objectionable shadows and bright spots.

Full Selection of Sizes

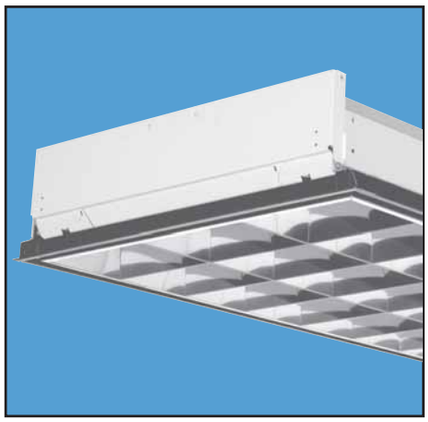
The Paramax® Series and the Optimax® Series feature a wide range of sizes and configurations. Standard models from 1'x2' wide through 4'x4' are offered, including 20"-wide versions for use in modular ceiling systems. Custom and metric sizes also can be specified, making Paramax® and Optimax® fixtures available for every type of commercial application.

Available Sizes

	PM4	2PM3N	PM3	PM2	HPM	PM3X	PMO	PMOX
1'x2'			■					
1'x4'			■		■	■	■	■
2'x2'	■	■		■		■	■	■
2'x4'	■	■		■		■	■	■
4'x4'			■			■		
20"x4'			■				■	
Metric			■				■	

PMO

Optimax®



Intended Use

Full family of light-controlling parabolic luminaires designed to control screen glare in VDT open office environments.

Features

Compound parabolic louver provides optimum light control.

Design optimized for use with T8 lamps and electronic ballasts.

Latest development in aluminum finishing minimizes louver iridescence. Ideal for use with triphosphor lamps.

Only listed lamp and cell configurations will provide Optimax® light control performance.

Hemmed sides and ends provide smooth edges for easy handling during installation.

Integral T-bar safety clips standard on most models.

Available in metric sizes. Consult Lithonia Lighting sales representative.

Surface-mounted versions also available. See page 52.

Listing

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **2PMO G B 3 32 27LS MVOLT 1/3 GEB10IS**

Series
- **PMO** 1' wide
- **2PMO** 2' wide
- **20PMO** 20" wide

Mounting trim
- **G** Grid
- **F** Flanged
- **MT** Modular fit-in
- **ST** Screw slot

Air function
- **B** No air function
- **A** Air supply/return
- **H** Heat removal
- **D** Dual function supply/return/heat removal

Number of lamps
- **1**
- **2**
- **3**

Not included.

Lamp type
- **17** 17W T8 (24")
- **U31** 31W T8 U (24")
- **32** 32W T8 (48")
- **CF40** 40W TT5 (24")

Number of cells
- **8**
- **9**
- **12**
- **18**
- **27**

Louver finish
- **LS** Low-iridescent anodized specular silver
- **LD** Low-iridescent anodized diffuse silver

Voltage
- **MVOLT**
- **120**
- **277**
- **347**

Options
- **1/3** One 3-lamp ballast
- **GEB** Electronic ballast, ≤20% THD
- **GEB10IS** T8 electronic ballast, ≤10% THD, instant start
- **GEB10RS** T8 electronic ballast, ≤10% THD, rapid start
- **CSA** CSA Certified
- **NOM** NOM Certified

See page 109 for others.

Availability and Dimensions

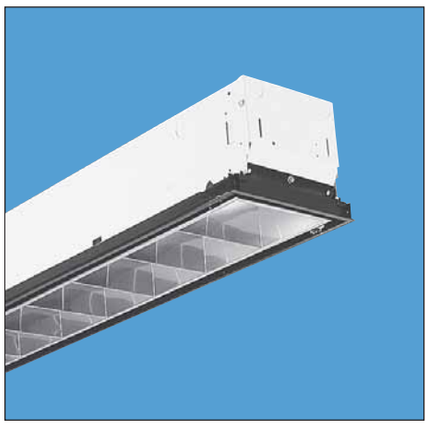
Nominal size	Series	Number of lamps	Lamp type	Number of cells	Height[2] in. (cm)
1'x4'	PMO	1	32	9 (1x9)	7¼ (18.4)
	PMO	2	32	9 (1x9)	7¼ (18.4)
2'x2'	2PMO	3	17, U31, CF40	12 (3x4)	6 (15.2)
	2PMO	2	17, U31, CF40	8 (2x4)	6 (15.2)
	2PMO	2	17, U31, CF40	12 (3x4)	6 ½ (16.5)
	20PMO(FP)[1]	2	17, U31, CF40	8 (2x4)	6 (15.2)
2'x4'	2PMO	3	32	27 (3x9)	6 (15.2)
	2PMO	2	32	27 (3X9)	6 1/16(17)
	2PMO	2	32	18 (2x9)	6 (15.2)
	20PMO(FP)[1]	2	32	18 (2x9)	6 (15.2)
20"x4'	20PMO	2	32	18 (2x9)	6 (15.2)

NOTES:
1. **2FP2** and **4FP2** accessories available to fit 2' wide grid. Order separately.
2. Some options increase fixtue depth. Consult Lithonia Lighting sales representative if plenum depth is a factor.

Glare-Control System, 9" Aperture

9PMO

Optimax®



Intended Use

Ideal for corridors, stack lighting or wallwash indoor applications where superior glare control is important.

Features

Superior performance provided with a 9" aperture design.

Available in three distribution patterns, symmetric, asymmetric and bi-asymmetric, for efficient and precise illumination.

Asymmetric distribution provides uniform wallwash for improved spatial brightness and visual brightness.

Symmetric distribution meets the industry's most rigorous standards for VDT lighting applications.

Bi-asymmetric distribution delivers high-angle light distribution on two vertical surfaces parallel to luminaire.

Complements design and style of other Optimax® and Paramax® products.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **9PMO G B 2 32 10LD ASY MVOLT GEB10IS**

Series
9PMO 9" wide

Air function
B No air function
A Air supply/return

Number of cells
10 1 row of 10

Louver finish
LS Low-iridescent anodized specular silver
LD Low-iridescent anodized diffuse silver

Light distribution
(blank) Symmetric
ASY Asymmetric
BIAS Bi-asymmetric

Options
GEB10IS T8 electronic ballast, ≤10% THD, instant start
GEB10RS T8 electronic ballast, ≤10% THD, rapid start
CSA CSA Certified
NOM NOM Certified
See page 109 for others.

Mounting trim
G Lay-in grid
F Flanged
GF Grid trim ends and flange sides
GF1 Grid trim ends, one grid side and one flange side

Number of lamps
1
2
Not included.

Lamp type
32 32W T8 (48")

Voltage
MVOLT
347
Others available.

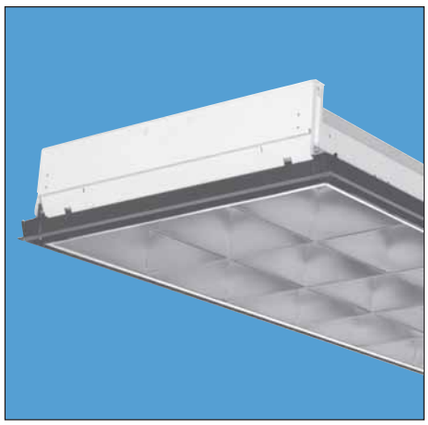
Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Number of cells	Height in.(cm)*
9"x4'	9PMO	1	32	10	7½ (19.1)
		2	32	10	7½ (19.1)

*Consult factory for options to reduce overall fixture height.

2PM3N

Paramax®



Intended Use

High-performance parabolic luminaires for superior light control, visual comfort and light cutoff in open area indoor applications.

Features

Contoured housing for superior light control.

Design optimized for use with T8 lamps and electronic ballasts.

Hemmed sides and ends provide smooth edges for easy handling during installation.

Integral T-bar safety clips standard.

Premium-grade aluminum louvers in choice of finishes, shipped in thermally sealed polyethylene wrapper.

Mitered corners and interlocking construction assure precise parabolic shape.

Choice of cell configuration and lamping.

Compatible with most common ceiling types and air functions. For complete descriptions, see pages 107, 111.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **2PM3N G B 3 32 18LD MVOLT 1/3 GEB10IS**

Series
2PM3N 2' wide

Mounting
G Lay-in grid
F Flanged
ST Screw slot
MT Modular fit-in

Air function
B No air function
A Air/supply/return
H Heat removal
D Dual function supply/return/heat removal

Number of lamps
2
3
4
Not included.

Lamp type
17 17W T8 (24")
U31 31W T8 U (1⁵/₈" leg)
U316 31W T8 U (6" leg)[1]
32 32W T8 (48")
CF40 40W TT5 (24")

Number of cells
6
9
12
16
18
24
32

Louver finish
LD Low iridescent anodized diffuse silver
LS Low iridescent anodized specular silver

Voltage
MVOLT
120
277
347
Other sav ailable; consult factory.

Options[2]
1/3 One 3-lamp ballast
1/4 One 4-lamp ballast
GEB Electronic ballast, ≤20% THD
GEB10IS T8 electronic ballast, ≤10% THD, instant start
GEB10RS T8 electronic ballast, ≤10% THD, rapid start
CSA CSA Certified
NOM NOM Certified

See page 109 for others.

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Number of cells[3] (rows x number in row)	Height[2] in. (cm)
2'x2'	2PM3N	2	17, U31, U316, CF40	**6**(2x3), **9**(3x3), **12**(4x3), **16**(4x4)	4½ (11.4)
		2	U316	6(2x3), 12(3x4)	4½ (11.4)
		3	17, U31, CF40	**9**(3x3), **16**(4x4)	4½ (11.4)
		3	17, CF40	12(3x4)	4½ (11.4)
		4	17, CF40	**9**(3x3), **12**(4x3), **16**(4x4)	4½ (11.4)
2'x4'	2PM3N	2	32	**12**(2x6), 16(2x8), 24(4x6)	4½ (11.4)
		3	32	**18**(3x6), 24(3x8)	4½ (11.4)
		4	32	12(2x6), 16(2x8), 18(3x6),	4½ (11.4)
		4	32	24(4x6), **32**(4x8)	4½ (11.4)

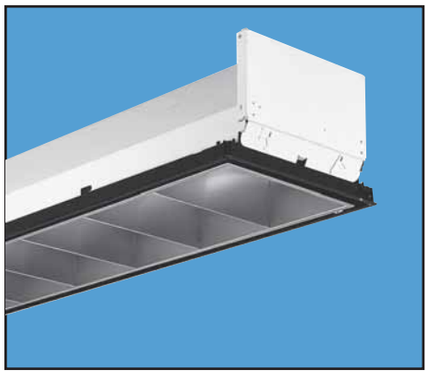
NOTES:
1 Not available on 3-lamp fixtures. Use U31.
2 Some options increase fixture depth. Consult Lithonia Lighting sales representative if plenum depth is a factor.
3 Popular cell configurations are shown in **bold** type.

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
2PM3N G B 3 32 18LD MVOLT GEB10IS
2PM3N G B 2 U316 9LD MVOLT GEB10IS
2PM3N G D 2 U316 9LD MVOLT GEB10IS ACS
2PM3N G B 3 32 18LD MVOLT 1/3 GEB10IS

PM3

Paramax®



Intended Use

High performance parabolic luminaires for superior light control, visual comfort and light cut-off in open area indoor applications.

Features

Contoured housing for superior light control.

Design optimized for use with T8 lamps and electronic ballasts.

Hemmed sides and ends provide smooth edges for easy handling during installation.

Integral T-bar safety clips standard on most models.

Premium-grade aluminum louvers in choice of finishes, shipped in thermally sealed polyethylene wrapper.

Mitered corners and interlocking construction assure precise parabolic shape.

Choice of cell configuration and lamping.

Compatible with virtually all ceiling types and air functions. For complete descriptions, see pages 107, 111.

Surface-mounted versions also available. See page 53.

Metric sizes also available. Consult Lithonia Lighting sales representative.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **PM3 G B 2 32 8LD MVOLT GEB10IS**

Series
- **PM3** 1' wide
- **20PM3** 20" wide
- **4PM3** 4' wide

Mounting
- **G** Lay-in grid
- **F** Flanged
- **MT** Modular fit-in

Air function
- **B** No air function
- **A** Air supply/return
- **H** Heat removal
- **D** Dual function supply/return/heat removal

Number of lamps
- **1**
- **2**
- **3**
- **4**
- **6**
- **8**

Not included.

Lamp type
- **17** 17W T8 (24")
- **U31** 31W T8 U (1⁵/₈" leg)
- **U316** 31W T8 U (6" leg)
- **32** 32W T8 (48")
- **CF40** 40W TT5 (24")

Number of cells
- **3**
- **4**
- **6**
- **8**
- **9**
- **12**
- **16**
- **18**
- **24**
- **36**
- **64**

Louver finish
- **LD** Low iridescent anodized diffuse silver
- **LS** Low iridescent anodized specular silver

Voltage
- **MVOLT**
- **120**
- **277**
- **347**

Others available.

Options
- **1/3** One 3-lamp ballast
- **1/4** One 4-lamp ballast
- **GEB** Electronic ballast, ≤20% THD
- **GEB10IS** T8 electronic ballast, ≤10% THD, instant start
- **GEB10RS** T8 electronic ballast, ≤10% THD, rapid start
- **CSA** CSA Certified
- **NOM** NOM Certified

See page 109 for others.

NOTES:
1. Popular cell configurations are shown in **bold** type.
2. Some options increase fixture depth. Consult Lithonia Lighting sales representative if plenum depth is a factor.

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Number of cells[1] (rows x number in row)	Height[2] in. (cm)
1'x2'	PM3	1, 2	17, U31, CF40	3(1x3), **4**(1x4), **6**(2x3), 8(2x4)	7¼ (18.4)
		1	U316	3(1x3), **4**(1x4), **6**(2x3), 8(2x4)	7¼ (18.4)
1'x4'	PM3	1, 2, 3	32	6(1x6), **8**(1x8), **9**(1x9)	7¼ (18.4)
		2	32	12(2x6), **16**(2x8)	7¼ (18.4)
20"x4'	20PM3	2	32	**12**(2x6), 16(2x8), 18(3x6), 24(3x8)	5¹⁵⁄₁₆ (15.1)
		3	32	**18**(3x6), **24**(3x8)	5¹⁵⁄₁₆ (15.1)
		4	32	**12**(2x6), 16(2x8), 18(3x6), 24(3x8)	5¹⁵⁄₁₆ (15.1)
4'x4'	4PM3	6	32	**36**(6x6), **64**(8x8)	6½ (16.5)
		8	32	**36**(6x6), **64**(8x8)	6½ (16.5)

PM4

Paramax®



Intended Use

Deep-cell parabolic luminaires for use in open-area indoor applications and electronic offices where optical control, visual comfort and light cut-off are important.

Features

4"-deep, premium-grade aluminum louvers in choice of finishes, shipped in thermally sealed polyethylene wrapper.

Design optimized for use with T8 lamps and electronic ballasts.

Hemmed sides and ends provide smooth edges for easy handling during installation.

Integral T-bar safety clips standard.

Mitered louver corners and interlocking construction assure precise parabolic shape.

Choice of cell configuration and lamping.

Compatible with virtually all ceiling types and air functions. For complete descriptions, see pages 107, 111.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **2PM4 G B 3 32 18LD MVOLT 1/3 GEB10IS**

Series
- **2PM4** 2' wide

Mounting
- **G** Lay-in grid
- **F** Flanged
- **MT** Modular fit-in
- **ST** Screw slot

Air function
- **B** No air function
- **A** Air supply/return
- **H** Heat removal
- **D** Dual function supply/return/removal

Number of lamps
- **2**
- **3**
- **4**

Not included.

Lamp type
- **17** 17W T8 (24")
- **U31** 31W T8 U (1 5/8" leg)
- **U316** 31W T8 U (6" leg)[1]
- **32** 32W T8 (48")
- **CF40** 40W TT5 (24")

Number of cells
- **6**
- **9**
- **12**
- **16**
- **18**
- **24**
- **32**

Louver finish
- **LD** Low-iridescent anodized diffuse silver
- **LS** Low-iridescent anodized specular silver

Voltage
- **MVOLT**
- **120**
- **277**
- **347**

Others available; consult factory.

Options
- **1/3** One 3-lamp ballast
- **1/4** One 4-lamp ballast
- **GEB** Electronic ballast, ≤20% THD
- **GEB10IS** T8 electronic ballast, ≤10% THD, instant start
- **GEB10RS** T8 electronic ballast, ≤10% THD, rapid start
- **CSA** CSA Certified
- **NOM** NOM Certified

See page 109 for others.

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Number of cells[2] (rows x number in row)	Height[3] in. (cm)
2'x2'	2PM4	2	U316	6(2x3), **9**(3x3), 12(3x4), **16**(4x4)	6 (15.2)
		2	17, U31, CF40	6(2x3), **9**(3x3), 12(4x3), **16**(4x4)	6 (15.2)
		3	17, U31, CF40	**9**(3x3), 12(3x4), 16(4x4)	6 (15.2)
		4	17, CF40	6(2x3), 9(3x3), 12(4x3), **16**(4x4)	6 (15.2)
2'x4'	2PM4	2	32	**12**(2x6), 16(2x8), 18(3x6), 24(4x6), 32(4x8)	6 (15.2)
		3	32	**18**(3x6), **24**(3x8), 32(4x8)	6 (15.2)
		4	32	12(2x6), 16(2x8), 18(3x6), 24(4x6), **32**(4x8)	6 (15.2)

NOTES:
1. Not available on 3-lamp fixtures. Use U31.
2. Popular cell configurations are shown in **bold** type.
3. Some options increase fixture depth. Consult Lithonia Lighting sales representative if plenum depth is a factor.

PM2

Paramax®



Intended Use

Louvered parabolic luminaires for optical control in general office environments and open indoor spaces.

Features

Contoured housing for superior light control.

Design optimized for use with T8 lamps and electronic ballasts.

Hemmed sides and ends provide smooth edges for easy handling during installation.

Integral T-bar safety clips standard.

2" deep premium-grade aluminum louvers shipped in thermally sealed polyethylene wrapper.

Mitered louver corners and interlocking construction assure precise parabolic shape.

Choice of cell configuration and lamping.

Compatible with virtually all ceiling types and air functions. For complete descriptions, see pages 107, 111.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **2PM2 G B 3 32 18LD MVOLT GEB10IS**

Series
2PM2 2' wide

Mounting
G Lay-in grid
F Flanged
MT Modular fit-in
ST Screw slot

Air function
B No air function
A Air supply/return
H Heat removal
D Dual function supply/return, removal

Number of lamps
2
3
4
Not included.

Lamp type
17 17W T8 (24")
U31 31W T8 U (1⁵/₈" leg)
U316 31W T8 U (6" leg)[1]
32 32W T8 (48")
CF40 40W TT5 (24")

Number of cells
6
9
12
16
18
24
32

Louver finish
LD Low iridescent anodized diffuse silver
LS Low iridescent anodized specular silver

Voltage
MVOLT
120
277
347
Others available; consult factory.

Options
1/3 One 3-lamp ballast
1/4 One 4-lamp ballast
GEB Electronic ballast, ≤20% THD
GEB10IS T8 electronic ballast, ≤10% THD, instant start
GEB10RS T8 electronic ballast, ≤10% THD, rapid start
CSA CSA Certified
NOM NOM Certified
See page 109 for others.

NOTES:
1 Not available on 3-lamp fixtures. Use U31.
2 Popular cell configurations are shown in **bold** type.
3 Some options increase fixture depth. Consult Lithonia Lighting sales representative if plenum depth is a factor.

Availability and Dimensions

Nominal size	Number of lamps	Lamp type	Number of cells[2] (rows x number in row)	Height[3] in. (cm)
2'x2'	2	U316	6(2x3), **9**(3x3), 12(3x4), **16**(4x4)	4½(11.4)
	2	17, U31, CF40	6(2x3), **9**(3x3), 12(4x3), **16**(4x4)	4½(11.4)
	3	17, U31, CF40	**9**(3x3), 12(3x4), 16(4x4)	4½(11.4)
	4	17, CF40	6(2x3), 9(3x3), 12(4x3), **16**(4x4)	4½(11.4)
2'x4'	2	32	**12**(2x6), 16(2x8), 18(3x6), **24**(4x6), 32(4x8)	4½(11.4)
	3	32	**18**(3x6), **24**(3x8), 32(4x8)	4½(11.4)
	4	32	12(2x6), 16(2x8), 18(3x6), **24**(4x6), **32**(4x8)	4½(11.4)

HPM3

Paramax®



Intended Use

High performance parabolic troffer for office lighting systems in VDT applications.

Features

High-efficiency 1'x4' Paramax® fixtures.

Lamps stacked vertically for uniform louver brightness in multi-level switching applications.

Design optimized for use with T8 lamps and electronic ballasts.

Hemmed sides and ends provide smooth edges for easy handling during installation.

Integral T-bar safety clips standard.

Choice of louver finish and air function.

Compatible with virtually all ceiling types. See page 107.

Available in surface-mount and metric-size versions. Consult Lithonia Lighting sales representative.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **HPM3 G B 2 32 8LD MVOLT GEB10IS**

Series
HPM3 1' wide

Trim type
G Lay-in grid
F Flanged
MT Modular fit-in

Air function
B No air function
A Air supply/return
H Heat removal
D Dual function supply/return heat removal

Number of lamps
2
Not included.

Lamp type
32 32W T8 (48")

Number of cells
6
8
9

Louver finish
LD Low iridescent anodized diffuse silver
LS Low iridescent anodized specular silver

Voltage
MVOLT
120
277
347
Others available; consult factory.

Options
1/3 One 3-lamp ballast
1/4 One 4-lamp ballast
GEB10IS T8 electronic ballast, ≤10% THD, instant start
GEB10RS T8 electronic ballast, ≤10% THD, rapid start
CSA CSA Certified
NOM NOM Certified
See pages 109 for others.

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Number of cells[1] (rows x number in row)	Height in. (cm)
1'x4'	HPM3	2	32	6(1x6), **8**(1x8), **9**(1x9)	7¼ (18.4)

NOTES:
1 Popular cell configurations are shown in **bold** type.

SP8

Static



Intended Use

Specification premium, high performance, static T8 luminaires provide general illumination for recessed indoor applications; ideal for restricted plenum spaces.

Features

Innovative low-profile design optimized around T8 lamps, low-profile electronic ballasts and T8 compact sockets.

Hemmed sides provide smooth edges for easy handling during installation.

Standard steel door frame features precise flush-mitered corners.

Unique door frame design delivers a premium extruded appearance.

Housing and door frame interface provides a superior mechanical light seal without the use of foam gasketing.

Standard latch provides spring action. Door latches and hinges from either side.

Improved performance – higher fixture efficiency and reduced lamp image.

Integral T-bar safety clips are standard; no need to install separate clips.

Aluminum door frames available, flush or regressed.

Compatible with virtually all ceiling types. Field trim modification kits also available. See page 107.

U.S. patents – 6,210,025; 6,231,213; 6,213,625; 2,288,471.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **2SP8 G 3 32 A12 MVOLT 1/3 GEB10IS**

Series

SP8	1' wide
2SP8	2' wide

Number of lamps

1[1]	
2	
3	
4[2]	
6[2]	

Not included.

Frame type

(blank)	Flush steel, white
FN	Flush aluminum, natural
FM	Flush aluminum, matte black
FW	Flush aluminum, white
RN	Regressed aluminum, natural
RM	Regressed aluminum, matte black
RW	Regressed aluminum, white

Voltage

MVOLT	
120	
277	
347	

Others available.

Options

1/3	One 3-lamp ballast
1/4	One 4-lamp ballast
GEB	Electronic ballast, ≤20% THD
GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
CSA	CSA Certified
NOM	NOM Certified

See pages 106,109 for others.

Trim type

G	Grid
F	Flanged
MT	Modular fit-in

Lamp type

17	17W T8 (24")
U31	31W T8 U (1⅝" leg)
U316	31W T8 U (6" leg)[3]
32	32W T8 (48")
CF40	40W TT5 (24")

Diffuser type

A12	#12 pattern acrylic[4]
A12125	#12 pattern acrylic, .125" thick
RA125	#12 pattern acrylic, .125" thick (reverse apex)
A19	#19 pattern acrylic, .156" thick
K20	#20 pattern acrylic, .140" thick
84Y	Holophane 8224 with overlay
PC1S	½"x½"x½" plastic cube louver, silver
PC2S	1½"x1½"x1" plastic cube louver, silver with flange
PC3S	¾"x¾"x½" plastic cube louver, silver

NOTES:
1 1-lamp model available in 1'X4' only.
2 4- and 6-lamp models available with 17W and 32W straight tubes only.
3 Not available on 3-lamp fixtures. Use U31.
4 Standard A12 diffuser has reverse apex technology.

Availability and Dimensions

Nominal size	Series	Number of Lamps	Lamp type	Height in.(cm)
1'X4'	SP8	1,2,3	32	$4^{1}/_{2}$ (11.4)
2'x2'	2SP8	2	17,U31, U316, CF40	$3^{11}/_{16}$ (9.3)
		3	17, U31, CF40	$3^{11}/_{16}$ (9.3)
		4	17	$3^{11}/_{16}$ (9.3)
2'x4'	2SP8	2, 3, 4, 6	32	$3^{11}/_{16}$ (9.3)

SP

Air-Handling

Intended Use

Complete selection of specification premium air-handling luminaires recommended for all general illumination recessed applications.

Features

Fully gasketed door frame with spring-action latches.

Full black reveal has floating door appearance.

Aluminum door frames available; flush or regressed. Air-flow control available with optional heat removal dampers and air pattern control blades.

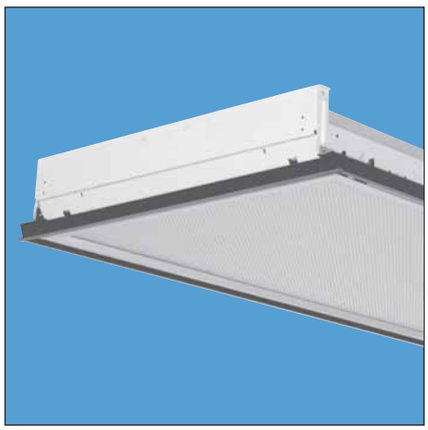
Integral T-bar safety clips are standard on 1'x4', 2'x2' and 2'x4' fixtures. No need to install separate clips.

Compatible with virtually all ceiling types. See page 107. Field trim modification kits also available.

Some fixtures available in metric sizes. Contact Lithonia Lighting sales representative.

Listings

Listings – UL Listed (standard). CSA Certified or NOM Certified (see Options).



Ordering Information

Example: **2SP G A 3 32 A12 MVOLT 1/3 GEB10IS**

Series

SP	1' wide
2SP	2' wide
4SP	4' wide[1]

Air function

B	No air function, with reveal
A	Air supply/ return
H	Heat removal
D	Dual function supply/ return/ heat removal

Lamp type

17	17W T8 (24")
U31	31W T8 U (1⁵/₈" leg)
U316	31W T8 U (6" leg)[4]
32	32W T8 (48")
CF40	40W TT5 (24")

Frame type

(blank)	Flush steel, white
FN	Flush aluminum, natural
FM	Flush aluminum, matte black
FW	Flush aluminum, white
RN	Regressed aluminum, natural
RM	Regressed aluminum, matte black
RW	Regressed aluminum, white

Voltage

MVOLT	
120	
277	
347	

Others available.

Options

1/3	One 3-lamp ballast
1/4	One 4-lamp ballast
GEB	Electronic ballast, ≤20% THD
GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
CSA	CSA Certified
NOM	NOM Certified

See pages 106, 109 for others.

Trim type

G	Grid
F	Flanged
MT	Modular fit-in
ST	Screw slot[1,2]

Number of lamps

1[3]
2
3
4
6
8

Not included.

Diffuser type[5]

A12	#12 pattern acrylic
A12125	#12 pattern acrylic, .125" thick
A19	#19 pattern acrylic, .156" thick
K20	#20 pattern acrylic, .140" thick
84Y	Holophane 8224 with overlay

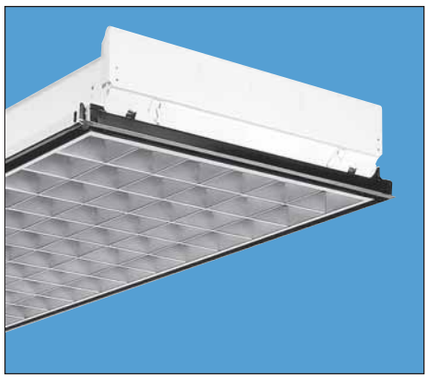
Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Height[7] in. (cm)
1'x4'	SP AIR	1, 2, 3	32	7¼ (18.4)
2'x2'	2SP AIR	2	17, U31,U316, CF40	4½ (11.4)
		3	17, U31, CF40	4½ (11.4)
		4	17, CF40	4½ (11.4)
2'x4'	2SP AIR	2, 3, 4	32	4½ (11.4)
4'x4'	4SP AIR[4,6]	4, 6, 8	32	5 (12.7)

NOTES:
1. Not available with flush steel door.
2. Consult factory for fixture depth.
3. 1-lamp model available in 1'x4' only.
4. Not available on 3-lamp fixtures. Use U31.
5. Center mullion standard on 4SP AIR. 4'x4' lens optional.
6. Integral T-bar clips not available. Use **LATC** option.
7. Some options increase fixture depth. Consult Lithonia Lighting sales representative if plenum depth is a factor.

SP

Small-Cell Louvers
Air-Handling



Intended Use

Specification premium air-handling luminaires recommended for all general illumination indoor applications.

Features

Premium-grade troffer with architectural small-cell aluminum louvers.

Choice of 1.5" and .75" deep cells.

Louver available in choice of low iridescent silver or low iridescent diffuse anodized finish.

Full black reveal and floating louver when air function is specified.

Integral T-bar clips standard on 1'x4', 2'x2' and 2'x4' fixtures. Eliminates the need to install separate clips.

Spring action latches standard.

Some fixtures available in metric sizes. Contact Lithonia Lighting sales representative.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **2SP G D 3 32 10515LD MVOLT 1/3 GEB10IS**

Series
- **SP** 1' wide
- **2SP** 2' wide

Air function[1]
- (blank) Static, no reveal
- **B** No air function (with reveal)
- **A** Air supply/return
- **H** Heat removal
- **D** Dual function supply/ return/ heat removal

Number of lamps
- **1**[2]
- **2**
- **3**
- **4**
- **6**

Not included.

Trim type
- **G** Grid
- **F** Flanged
- **MT** Modular fit-in

Lamp type
- **17** 17W T8 (24")
- **U31** 31W T8 U (1⁵/₈" leg)
- **U316** 31W T8 U (6" leg)[3]
- **32** 32W T8 (48")
- **CF40** 40W TT5 (24")

Louver type

1'X4'
- **1315** 13 cells, 1.5" deep
- **2615** 26 cells, 1.5" deep
- **3915** 39 cells, 1.5" deep
- **4515** 45 cells, 1.5" deep
- **18675** 186 cells, .75" deep

2'X2'
- **3615** 36 cells, 1.5" deep
- **4915** 49 cells, 1.5" deep
- **16975** 169 cells, .75" deep

2'X4'
- **7815** 78 cells, 1.5" deep
- **10515** 105 cells, 1.5" deep
- **37775** 377 cells, .75" deep

Louver finish
- **LD** Low iridescent anodized diffuse silver
- **LS** Low iridescent anodized specular silver

Voltage
- **MVOLT**
- **120**
- **277**
- **347**

Others available.

Options
- **1/3** One 3-lamp ballast
- **1/4** One 4-lamp ballast
- **GEB** Electronic ballast, ≤20% THD
- **GEB10IS** T8 electronic ballast, ≤10% THD, instant start
- **GEB10RS** T8 electronic ballast, ≤10% THD, rapid start
- **CSA** CSA Certified
- **NOM** NOM Certified

See pages 106,109 for others.

NOTES:
1. Some options increase fixture depth. Consult Lithonia Lighting sales representative if plenum depth is a factor.
2. 1-lamp model available in 1'x4' only.
3. Not available on 3-lamp fixtures. Use U31.

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Height[1] in.(cm)
1'x4'	SP AIR	1, 2, 3	32	7¼ (18.4)
2'x2'	2SP AIR	2	17, U31, U316, CF40	4½ (11.4)
		3	17, U31, CF40	4½ (11.4)
		4	17, CF40	4½ (11.4)
2'x4'	2SP AIR	2, 3, 4, 6	32	4½ (11.4)

GT8

Static

Intended Use

Low-profile, static T8 luminaire provides general illumination for recessed indoor applications. Ideal for restricted plenums.

Features

Innovative low-profile design optimized around T8 lamps and low-profile electronic ballasts.

Hemmed sides provide smooth edges for easy handling during installation.

Standard steel door frame features precise flush mitered corners. Unique design delivers a premium extruded appearance.

Housing and door frame interface provides a superior mechanical light seal without the use of foam gasketing.

Standard latch provides spring action. Door latches and hinges from either side.

Improved performance – higher fixture efficiency.

Integral T-bar safety clips are standard – no need to install separate clips.

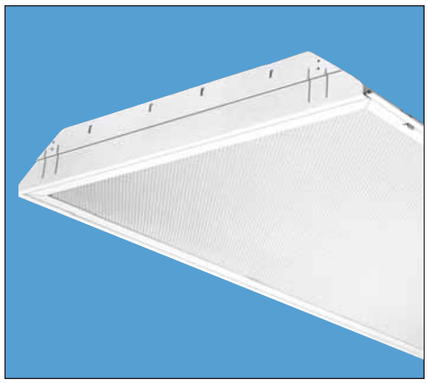
Aluminum door frames available, flush or regressed.

Compatible with most ceiling types. Field trim modification kits also available. See page 107.

U.S. patents – 6,210,025; 6,231,213; 6,213,625; 2,288,471.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).



Ordering Information

Example: **2GT8 4 32 A12 MVOLT 1/4 GEB10IS**

Series

GT8	1' wide
2GT8	2' wide

Number of lamps

1	[1]
2	
3	
4	[2]

Not included.

Trim type

(blank)	Grid
F	Flanged

Lamp type

17	17W T8 (24")
U31	31W T8 U (1⁵/₈" leg)
U316	31W T8 U (6" leg)[3]
32	32W T8 (48")
CF40	40W TT5 (24")[3]

Frame type

(blank)	Flush steel, white
FN	Flush aluminum, natural
FM	Flush aluminum, matte black
FW	Flush aluminum, white
RN	Regressed aluminum, natural
RM	Regressed aluminum, matte black
RW	Regressed aluminum, white

Diffuser type

A12	#12 pattern acrylic
A12125	#12 pattern acrylic, .125" thick
A19	#19 pattern acrylic, .156" thick
A15	#15 pattern acrylic, .200" thick
K20	#20 pattern acrylic, .140" thick
84Y	Holophane 8224 with overlay
PC1S	½"x½"x½" plastic cube louver, silver
PC2S	1½"x1½"x1" plastic cube louver, silver with flange[4]
PC3S	¾"x¾"x½" plastic cube louver, silver

Voltage

MVOLT
120
277
347

Others available.

Options

1/3	One 3-lamp ballast
1/4	One 4-lamp ballast
GEB	Electronic ballast, ≤20% THD
GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
CSA	CSA Certified
NOM	NOM Certified

See pages 106, 109 for others.

NOTES:
1. 1-lamp model available in 1' X 4' only.
2. 4-lamp models available with 17W or 32W straight tube lamps only.
3. Not available on 3-lamp fixtures. Use U31.
4. Available with flush door frames only. Some 2x2 lamp and electrical combinations not available with PC2 louvers. Consult factory.

Availability and Dimensions

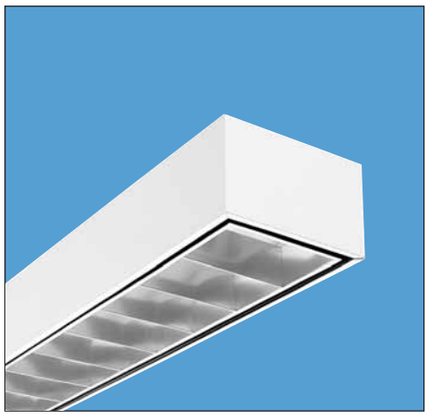
Nominal size	Series	Number of lamps	Lamp type	Height in.(cm)
1'x4'	GT8	1, 2, 3	32	4½ (11.4)
2'x2'	2GT8	2	17, U31, U316, CF40	3³/₁₆ (8.0)
		3	17, U31	3³/₁₆ (8.0)
		4	17	3³/₁₆ (8.0)
2'x4'	2GT8	2, 3, 4	32	3³/₁₆ (8.0)

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
2GT8 2 U316 A12 MVOLT GEB10IS
2GT8 3 32 A12 MVOLT 1/3 GEB10IS
2GT8 4 32 A12 MVOLT 1/4 GEB10IS

PMOX

Optimax®



Intended Use

Surface-mounted parabolic luminaires designed to control screen glare in VDT open office environments.

Features

Optimax® light-controlling optical assembly.

Surface or stem-mounting. A perfect companion to Optimax® recessed luminaires.

Floating louver appearance with full black reveal.

Standard exterior finish is gloss white.

Provides optimum light control to eliminate objectionable glare on VDT screens caused by reflections from overhead lighting.

Full top cover available.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **2PMOX 3 32 27LS MVOLT GEB10IS**

Series

PMOX	1' wide
2PMOX	2' wide

Number of lamps

1	
2	
3	

Not included.

Lamp type

17	17W T8 (24")
U31	31W T8 U (1⁵/₈" leg)
32	32W T8 (48")
CF40	40W TT5 (24")

Number of cells

8	2 rows of 4 (2'x2')
9	1 row of 9 (1'x4')
12	3 rows of 4 (2'x2')
18	2 rows of 9 (20"x4')
27	3 rows of 9 (2'x4')

Louver finish

LD	Low iridescent anodized diffuse silver
LS	Low iridescent anodized specular silver

Voltage

MVOLT
120
277
347

Others available; consult factory.

Options

1/3	One 3-lamp ballast
GEB	Electronic ballast, ≤20% THD
GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
CSA	CSA Certified
NOM	NOM Certified

See page 112 for others.

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Number of cells (rows x number in row)	Height in.(cm)
1'x4'	PMOX	1	32	9 (1x9)	7¼ (18.4)
	PMOX	2	32	9 (1x9)	7¼ (18.4)
	TPMOX	1	(2)CF40	9 (1x9)	7¼ (18.4)
2'x2'	2PMOX	3	17, U31, CF40	12 (3x4)	6¹/₈ (15.6)
	2PMOX	2	17, U31, CF40	8 (2x4)	6¹/₈ (15.6)
	2PMOX	2	17, U31, CF40	12 (3x4)	6¹/₈ (15.6)
2'x4'	2PMOX	3	32	27 (3x9)	6¹/₈ (15.6)
	2PMOX	2	32	18 (2x9)	6¹/₈ (15.6)
	2PMOX	2	32	27 (3x9)	6¹/₈ (15.6)

PM3X

Paramax®

Intended Use

High-performance surface-mounted parabolic luminaires for superior light control, visual comfort and light cutoff in open area indoor applications.

Features

Sturdy steel housing with Paramax® 3" premium-grade aluminum louver.

For surface or stem mounting. A perfect companion to Paramax® recessed luminaires.

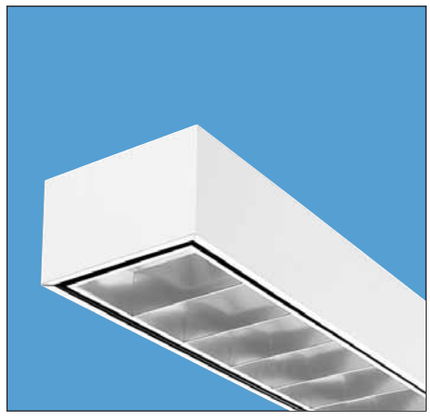
Choice of size, lamping, cell configuration and louver finish.

Floating louver appearance with full black reveal.

Standard exterior finish is gloss white. Full top cover available.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).



Ordering Information

Example: **2PM3X 3 32 18LD MVOLT 1/3 GEB10IS**

Series

- **PM3X** 1' wide
- **2PM3X** 2' wide
- **HPM3X** 1' wide
- **4PM3X** 4' wide

See page 47 for HPM3 Series.

Number of lamps

1 **2** **3** **4** **6** **8**

Not included.

Lamp type

- **17** 17W T8 (24")
- **U31** 31W T8 U (1⁵/₈" leg)
- **U316** 31W T8 U (6" leg)
- **32** 32W T8 (48")
- **CF40** 40W TT5 (24")

Number of cells

3 **4** **6** **8** **9** **12** **16** **18** **24** **32** **36** **64**

Louver finish

- **LD** Low iridescent anodized semi-specular silver
- **LS** Low iridescent anodized specular silver

Voltage

MVOLT **120** **277** **347**

Others available; consult factory.

Options

- **1/3** One 3-lamp ballast
- **1/4** One 4-lamp ballast
- **GEB** Electronic ballast, ≤20% THD
- **GEB10IS** T8 electronic ballast, ≤10% THD, instant start
- **GEB10RS** T8 electronic ballast, ≤10% THD, rapid start
- **CSA** CSA Certified
- **NOM** NOM Certified

See page 112 for others.

Availability and Dimensions

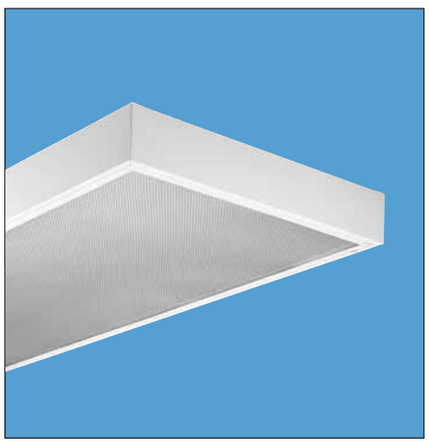
Nominal size	Series	Number of lamps	Lamp type	Number of cells[1] (rows x number in row)	Height[2] in.(cm)
1'x4'	PM3X	1, 2, 3	32	6(1x6), **8**(1x8), **9**(1x9)	7 1/16 (17.9)
		2	32	12(2x6), **16**(2x8)	7 1/16 (17.9)
2'x2'	2PM3X	2	U316	6(2x3), **9**(3x3), 12(3x4), **16**(4x4)	6 1/8 (15.6)
		2	17, U31, CF40	6(2x3), **9**(3x3), 12(4x3), **16**(4x4)	6 1/8 (15.6)
		3	17, U31, CF40	**9**(3x3), 12(3x4), 16(4x4)	6 1/8 (15.6)
		4	17, CF40	9(3x3), 12(4x3), **16**(4x4)	6 1/8 (15.6)
2'x4'	2PM3X	2	32	**12**(2x6), 16(2x8), 18(3x6), 24(4x6), 32(4x8)	6 1/8 (15.6)
		3	32	**18**(3x6), **24**(3x8), 32(4x8)	6 1/8 (15.6)
		4	32	12(2x6), 16(2x8), 18(3x6), 24(4x6), **32**(4x8)	6 1/8 (15.6)
4'x4'	4PM3X	6	32	**36**(6x6), 64(8x8)	6½ (16.5)
		8	32	36(6x6), **64**(8x8)	6½ (16.5)

NOTES:

1 Popular cell configurations are shown in **bold** type.

2 Some options increase fixture depth. Consult Lithonia Lighting sales representative if depth is a factor.

M



Intended Use

Surface or stem-mounted lensed fixture for general illumination in commercial offices and retail indoor applications.

Features

Die-formed, cold-rolled steel housing finished with baked white enamel.

Standard door is fully gasketed flush steel with sturdy tee hinges and opposing, rotary-action cam latches.

Spring-loaded latches optional.

Aluminum doors available, flush or regressed with choice of finish.

For surface or stem mounting, unit or row installation.

For unit mounting on stems: Minimum of two mounting stems required on 1'x4' models (four required on 3-lamp models). Four stems required on 2'x4' models.

For row mounting on stems: Use half the number of stems required for unit mounting except on last fixture in row. Example: on 2'x4' two-lamp and four-lamp fixtures, use two stems per fixture plus two per row.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).

Ordering Information

Example: **2M 2 32 RW A19 MVOLT GEB10IS**

Series

M	1' wide
2M	2' wide
4M	4' wide

Number of lamps

1
2
3[1]
4
6
8

Not included.

Lamp type

17	17W T8 (24")
U31	31W T8 U (1⁵/₈" leg)
U316	31W T8 U (6" leg)[2]
32	32W T8 (48")
CF40	40W TT5 (24")

Frame type

(blank)	Flush steel, white
FN	Flush aluminum, natural
FM	Flush aluminum, matte black
FW	Flush aluminum, white
RN	Regressed aluminum, natural
RM	Regressed aluminum, matte black
RW	Regressed aluminum, white

Diffuser type

A12	#12 pattern acrylic
A12125	#12 pattern acrylic, .125" thick
A19	#19 pattern acrylic, .156" thick
PC1S	½"x½"x½" plastic cube louver, silver

Center mullion standard on 4'x4' models.

Voltage

MVOLT
120
277
347

Others available.

Options

1/3	One 3-lamp ballast
1/4	One 4-lamp ballast
GEB	Electronic ballast, ≤20% THD
GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
CSA	CSA Certified (347V only)
NOM	NOM Certified

See page 112 for others.

NOTES:

1 Stem mounting is not recommended for 3-lamp 2x4 models.
2 6" leg spacing standard on 2-lamp models. Not available on 3-lamp models; specify U31.

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Width in.(cm)	Depth in.(cm)	Length in.(cm)
1'x4'	M	1, 2, 3	32	12 (30.5)	3¾ (9.5)	48 (121.9)
2'x2'	2M	1, 2	U316	24 (61.0)	3¾ (9.5)	24 (61.0)
		2, 3	17, U31, CF40	24 (61.0)	3¾ (9.5)	24 (61.0)
		4	17, CF40	24 (61.0)	3¾ (9.5)	24 (61.0)
2'x4'	2M	2, 3, 4	32	24 (61.0)	3¾ (9.5)	48 (121.9)
4'x4'	4M	4, 6, 8	32	48 (121.9)	3¾ (9.5)	48 (121.9)

EC

Intended Use

Use for direct lighting in applications such as schools or all-purpose facilities.

Features

Fits standard 4'x4' inverted tee grid opening.

Uses standard 2'x4' ceiling tiles – no cutting required.

High-gloss, baked white enamel finish.

Extruded acrylic prismatic diffuser.

For unit or row installaiton.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).



Ordering Information

Example: **EC 2 32 MVOLT GEB10IS**

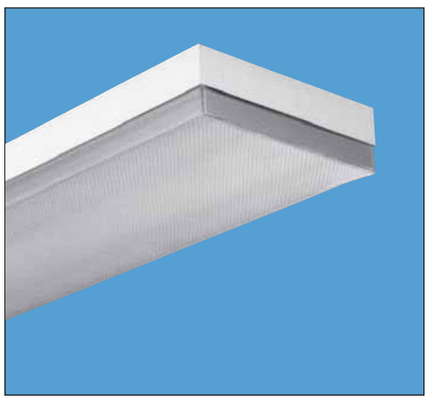
Series	Number of lamps	Lamp type	Diffuser type	Voltage	Options
EC For tandem double-length unit, add prefix **T**. Example: **TEC.**	**1** **2** Not included.	**32** 32W T8 (48")	(blank) Acrylic prismatic	**MVOLT** **347**	**1/4** One 4-lamp ballast **GEB10IS** T8 electronic ballast, ≤10% THD, instant start **GEB10PS** T8 electronic ballast, ≤10% THD, rapid start **CSA** CSA Certified **NOM** NOM Certified

Availability and Dimensions

Nominal length	Series	Lamps per cross section	Lamps per fixture	Length in.(cm)	Height in.(cm)
4'	EC	1	1	48 (121.9)	6 (15.2)
		2	2	48 (121.9)	6 (15.2)
8'	TEC	1	2	96 (243.8)	6 (15.2)
		2	4	96 (243.8)	6 (15.2)

Architectural Wraparounds

AW



Intended Use

For surface or suspended applications that require a low-profile architectural appearance. Provides high vertical and horizontal illumination for walkways, corridors, offices and retail applications.

Features

Flat-bottom acrylic prismatic diffuser with sonic-welded, injection-molded, luminous ends.

Diffuser held by four torsion springs. Hinges or latches from either side for easy cleaning and service.

Choice of width — models available with 2, 3 or 4 lamps. For 5¼" width, see companion CA Series.

Optional high-impact-resistant acrylic (AR) diffuser includes 50% DR additive for strength.

Two 4-foot diffusers provided on tandem models.

White housing standard, black and special colors optional.

For surface or stem mounting, unit or row installation. Order two hangers for 2-lamp and 4-lamp models, four hangers for 3-lamp models.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **AW 2 32 AR MVOLT GEB10IS**

Series		Number of lamps	Lamp type		Diffuser type		Voltage	Options	
AW	Standard width	**2**	**32**	32W T8 (48")	(blank)	Prismatic	**MVOLT**	**1/3**	One 3-lamp ballast
2AW	2 lamps in wide housing	**3**			**AR**	High-impact prismatic	**347**	**1/4**	One 4-lamp ballast
For tandem double-length unit, add prefix **T**. Example: **TAW**		**4**						**GEB10IS**	T8 electronic ballast, ≤10% THD, instant start
		Not included.						**GEB10RS**	T8 electronic ballast, ≤10% THD, rapid start
								CSA	CSA Certified
								NOM	NOM Certified
								See page 112 for others.	

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp length in.	Width in.(cm)	Depth in.(cm)	Length in.(cm)
AW	2	2	48	11¼ (28.6)	3 5/16 (8.4)	48 (121.9)
	3	3	48	16¾ (42.5)	3 5/16 (8.4)	48 (121.9)
	4	4	48	16¾ (42.5)	3 5/16 (8.4)	48 (121.9)
2AW	2	2	48	16¾ (42.5)	3 5/16 (8.4)	48 (121.9)
TAW	2	4	48	11¾ (28.6)	3 5/16 (7.9)	96 (243.8)
	3	6	48	16¾ (42.5)	3 5/16 (7.9)	96 (243.8)
	4	8	48	16¾ (42.5)	3 5/16 (7.9)	96 (243.8)
T2AW	2	4	48	16¾ (42.5)	3 5/16 (7.9)	96 (243.8)

CA

Intended Use

For applications where a narrow-profile architectural appearance is desired. Ideal for areas such as corridors or stairwells where size is critical.

Features

Companion to AW Series, but only 5¼" wide.

Choice of flat-bottom diffusers — prismatic acrylic or matte white opal acrylic. Both available in high-impact versions.

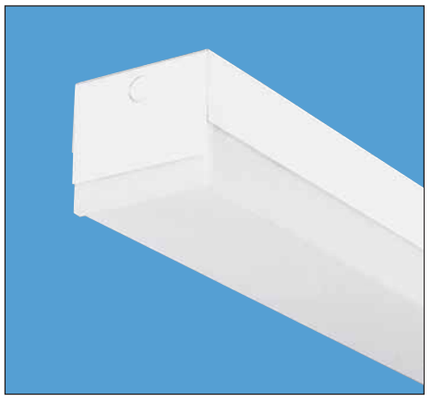
Diffuser held by four torsion springs. Hinges open from either side for easy cleaning and service.

Slim, low-profile housing for ceiling or wall mounting.

White housing standard. Black and special colors optional.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).



Ordering Information

Example: **CA 1 32 ACW MVOLT GEB10IS**

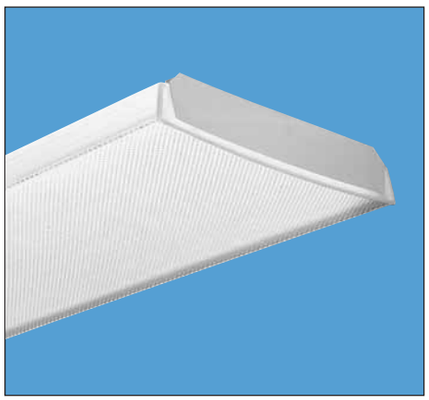
Series	Number of lamps	Lamp type	Diffuser type	Voltage	Options
CA	**1**	**17** 17W T8 (24")	(blank) Prismatic	**120**	**1/4** One 4-lamp ballast
For tandem double-length unit, add prefix **T**. Example: **TCA**	**2**	**20** 20W T12 (24")	**AR** High-impact prismatic	**277**	**GEB10IS** T8 electronic ballast, ≤10% THD, instant start
	Not included.	**25** 25W T8 (36")	**ACW** Matte white	**MVOLT**	**GEB10RS** T8 electronic ballast, ≤10% THD, rapid start
		30 30W T12 (36")	**AWR** High-impact matte white	**347**	**CSA** CSA Certified
		32 32W T8 (48")			**NOM** NOM Certified
					See page 112 for others.

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp length in.	Width in.(cm)	Depth in.(cm)	Length in.(cm)
CA	1	1	24	5¼ (13.3)	4⅝ (11.8)	24½ (62.2)
	2	2	24	5¼ (13.3)	4⅝ (11.8)	24½ (62.2)
CA	1	1	36	5¼ (13.3)	4⅝ (11.8)	36½ (92.7)
	2	2	36	5¼ (13.3)	4⅝ (11.8)	36½ (92.7)
CA	1	1	48	5¼ (13.3)	4⅝ (11.8)	48½ (123.2)
	2	2	48	5¼ (13.3)	4⅝ (11.8)	48½ (123.2)
TCA	1	2	48	5¼ (13.3)	4⅝ (11.8)	97 (246.4)
	2	4	48	5¼ (13.3)	4⅝ (11.8)	97 (246.4)

Low-Profile Wraparounds

LB



Intended Use

For applications requiring a clean, decorative appearance. Provides high vertical illumination and brightness control.

Features

Acrylic prismatic diffuser with sonic-welded, injection-molded, luminous ends. Matches CB Series in appearance.

White enamel end plates – optional appliques available for field installation.

Linear side prisms control brightness; pyramidal bottom prisms minimize lamp image.

Continuous, interlocking-diffuser support prevents accidental opening, simplifies cleaning and service.

For surface or stem mounting, unit or row installation. Snap-in aligners permit row mounting without tools.

Minimum two hangers required. For row installation, one hanger per fixture plus one per row required. Four single-stem hangers required for 3-lamp versions.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).

Ordering Information

Example: **LB 2 32 MVOLT GEB10IS**

Series	
LB	Standard width
2LB	2 lamps in wide housing

For tandem double-length unit, add prefix **T.** Example: **TLB**

Number of lamps
2
3
4

Not included.

Lamp type	
17	17W T8 (24")
20	20W T12 (24")
32	32W T8 (48")

Voltage
MVOLT
120
277
347

Options	
1/3	One 3-lamp ballast
1/4	One 4-lamp ballast
GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
CSA	CSA Certified (347V only)
NOM	NOM Certified

See page 112 for others.

Accessories	(Order separately)
Order one pair per fixture or row	
LB2W*	Walnut end plate appliques for narrow body, one pair.
LB4W*	Walnut end plate appliques for wide body, one pair.

* For teak appliques, substitute **T** for W in catalog number. Example: LB2**T**.

lightquick® XD
Express delivery products.
See page 11 for details about LightQuick XD.

Description
LB 4 32 MVOLT 1/4 GEB10IS
LB 2 32 MVOLT GEB10IS

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp length in.	Width in. (cm)	Depth in. (cm)	Length in. (cm)
LB	2	2	24	10 (25.4)	3 (7.6)	24 (61.0)
	4	4	24	15 3/8 (39.1)	3 (7.6)	24 (61.0)
LB	2	2	48	10 (25.4)	3 (7.6)	48 (121.9)
	3	3	48	15 3/8 (39.1)	3 (7.6)	48 (121.9)
	4	4	48	15 3/8 (39.1)	3 (7.6)	48 (121.9)
2LB	2	2	48	15 3/8 (39.1)	3 (7.6)	48 (121.9)
TLB	2	4	48	10 (25.4)	3 (7.6)	96 (243.8)
	3	6	48	15 3/8 (39.1)	3 (7.6)	96 (243.8)
	4	8	48	15 3/8 (39.1)	3 (7.6)	96 (243.8)
T2LB	2	4	48	15 3/8 (39.1)	3 (7.6)	96 (243.8)

CB

Intended Use

For applications requiring a narrow profile and decorative appearance. Ideal for corridors or spaces where medium light levels in a compact design are preferred.

Features

Acrylic prismatic diffuser with sonic-welded, injection-molded, luminous ends. Matches LB Series in appearance.

White enamel end plates.

Linear side prisms control brightness, pyramidal bottom prisms minimize lamp image.

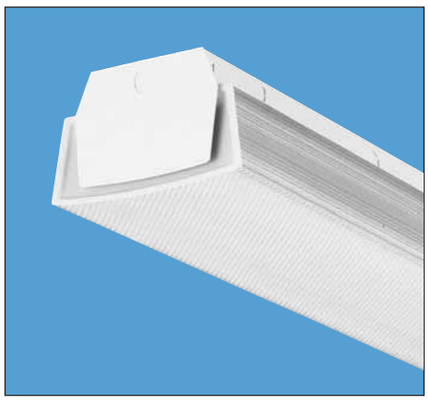
Continuous, interlocking-diffuser support prevents accidental opening, simplifies cleaning and service.

For surface or stem mounting, unit or row installation. Snap-in couplers permit row mounting without tools.

Minimum two hangers required. For row installation, one hanger per fixture plus one per row required.

Listings

UL Listed (standard). CSA Certified (see Options).



Ordering Information

Example: **CB 1 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Voltage	Options
CB	**1**	**17** 17W T8 (24")	**MVOLT**	**1/4** One 4-lamp ballast
For tandem double-length unit, add prefix **T.** Example: **TCB**	**2**	**20** 20W T12 (48")	**120**	**GEB10IS** T8 electronic ballast, ≤10% THD, instant start
	Not included.	**32** 32W T8 (48")	**277**	**GEB10PS** T8 electronic ballast, ≤10% THD, rapid start
			347	**CSA** CSA Certified

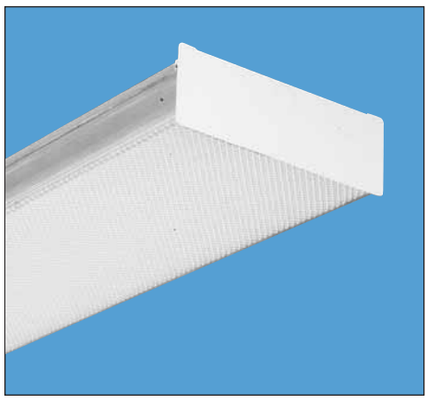
See page 112 for others.

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp length in.	Width in. (cm)	Depth in. (cm)	Length in. (cm)
CB	1,2	1,2	24	7 (17.8)	4½ (11.4)	24 (61.0)
			48	7 (17.8)	4½ (11.4)	48 (121.9)
TCB	1,2	2,4	48	7 (17.8)	4½ (11.4)	96 (243.8)

Square-Basket Wraparounds

SB



Intended Use

For applications that require the clean appearance of a flat-bottom diffuser. Provides high light levels for storage rooms, offices or retail applications.

Features

Flat-bottom acrylic prismatic diffuser. Matches CS Series in appearance.

Full-depth, white enamel end plates.

Linear side prisms control brightness, pyramidal bottom prisms minimize lamp image.

Diffuser hinges open from either side for easy cleaning and service.

For surface or stem mounting (4-foot models only), unit or row installation.

Minimum two single-stem hangers required. For row installation, one hanger per fixture plus one per row required.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).

Ordering Information

Example: **SB 2 32 MVOLT GEB10IS**

Series	
SB	Standard width
2SB	2 lamps in wide housing

Number of lamps	
2	
4	

Not included.

Lamp type	
17	17W T8 (24")
20	20W T12 (24")
32	32W T8 (48")

Voltage
MVOLT
120
277
347

Options	
1/3	One 3-lamp ballast
1/4	One 4-lamp ballast
GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
CSA	CSA Certified (347V only)
NOM	NOM Certified

See page 112 for others.

lightquick® XD
Express delivery products.

See page 11 for details about LightQuick XD.

Description
SB 4 32 MVOLT 1/4 GEB10IS
SB 2 32 MVOLT GEB10IS

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp length in.	Width in. (cm)	Depth in. (cm)	Length in. (cm)
SB	2	2	24	8 1/3 (21.2)	2 7/8 (6.0)	24 (61.0)
	2	2	48	8 1/3 (21.2)	2 7/8 (6.0)	48 (121.9)
	4	4	48	13 3/4 (34.9)	2 7/8 (6.0)	48 (121.9)
2SB	2	2	48	13 3/4 (34.9)	2 7/8 (6.0)	48 (121.9)

CS

Intended Use

For applications that require a narrow-profile design with flat-bottom diffuser. Provides medium light levels in a compact fixture.

Features

Contemporary style with flat-bottom acrylic prismatic diffuser. Matches SB Series in appearance.

Linear side prisms control brightness. Pyramidal bottom prisms minimize lamp image.

Diffuser hinges open from either side for easy cleaning and service.

Two 4-foot diffusers provided on 8-foot units.

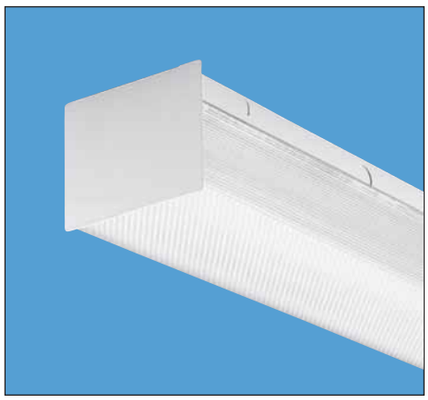
For surface or stem mounting, unit or row installation.

Minimum two hangers required. For row installation, one hanger per fixture plus one per row required.

Suitable for wall mounting with diffuser mounting clips (included with fixture).

Listings

UL Listed (standard). CSA Certified (see Options).



Ordering Information

Example: **CS 1 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Voltage	Options
CS	**1**	**17** 17W T8 (24")	**MVOLT**	**1/4** One 4-lamp ballast
For tandem double-length unit, add prefix **T**. Example: **TCS**	**2**	**20** 20W T12 (24")	**120**	**GEB10IS** T8 electronic ballast, ≤10% THD, instant start
	Not included.	**32** 32W T8 (48")	**277**	**GEB10RS** T8 electronic ballast, ≤10% THD, rapid start
			347	**CSA** CSA Certified

See page 112 for others.

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp length in.	Width in. (cm)	Depth in. (cm)	Length in. (cm)
CS	1	1	24	$5^{13}/_{16}$ (14.8)	4½ (11.4)	24 (61.0)
	2	2	24	$5^{13}/_{16}$ (14.8)	4½ (11.4)	24 (61.0)
	1	1	48	$5^{13}/_{16}$ (14.8)	4½ (11.4)	48 (121.9)
	2	2	48	$5^{13}/_{16}$ (14.8)	4½ (11.4)	48 (121.9)
TCS	1	2	48	$5^{13}/_{16}$ (14.8)	4½ (11.4)	96 (243.8)
	2	4	48	$5^{13}/_{16}$ (14.8)	4½ (11.4)	96 (243.8)

Specification Premium Wraparounds

CLM

Classmate™



Intended Use

For applications where brightness and vertical illumination are beneficial. Ideal for schools and other applications that require high light levels.

Features

High-impact, vandal-resistant acrylic diffuser with white, sonic-welded, injection-molded ends standard.

Optional Holophane® injection-molded acrylic Controlens® wraparound shielding bonded to opaque acrylic end caps.

Shielding is secured by spring-loaded metal latches — hinges open from either side for easy cleaning and service.

For surface or stem mounting, unit or row installation.

Unit installation requires two single-stem hangers or one double-stem hanger on 4-foot units. Row installation requires one hanger per fixture plus one per row.

Ballast cover secured by quarter-turn fastener – no tools required to access electrical chamber.

Rotary, anti-vibration lampholders standard.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **CLM 2 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Diffuser type[1]	Voltage	Options
CLM	**1**	**32** 32W T8 (48")	(blank) High-impact acrylic	**MVOLT**	**1/3** One 3-lamp ballast
For tandem double-length unit, add prefix **T**. Example: **TCLM**	**2**		**IM** Holophane #7100 injection-molded acrylic	**347**	**1/4** One 4-lamp ballast
	3				**GEB10IS** T8 electronic ballast, ≤10% THD, instant start
	Not included.				**GEB10RS** T8 electronic ballast, ≤10% THD, rapid start
					CSA CSA Certified
					NOM NOM Certified
					See page 112 for others.

NOTES:
1 Diffuser shipped separately.

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp length in.	Width in. (cm)	Depth in. (cm)	Length in. (cm)
CLM	1	1	48	$8^{9}/_{16}$ (21.7)	$4^{3}/_{8}$ (11.1)	48 (121.8)
	2	2	48	$8^{9}/_{16}$ (21.7)	$4^{3}/_{8}$ (11.1)	48 (121.8)
	3	3	48	$8^{9}/_{16}$ (21.7)	$4^{3}/_{8}$ (11.1)	48 (121.8)
TCLM	1	2	48	$8^{9}/_{16}$ (21.7)	$4^{3}/_{8}$ (11.1)	96 (243.6)
	2	4	48	$8^{9}/_{16}$ (21.7)	$4^{3}/_{8}$ (11.1)	96 (243.6)
	3	6	48	$8^{9}/_{16}$ (21.7)	$4^{3}/_{8}$ (11.1)	96 (243.6)

VC

Intended Use

For surface-mount applications that require optimum optical control with low brightness. Ideal for public areas such as schools, airports, libraries, retail stores and offices.

Features

Injection-molded, flat-bottom acrylic prismatic diffuser provides optimum controlled, low brightness illumination.

Linear side prisms control brightness. Pyramidal bottom prisms minimize lamp image.

Concealed hinge or latch system permits diffuser to be hinged from either side.

Design minimizes ceiling shadows and sharp contrasts.

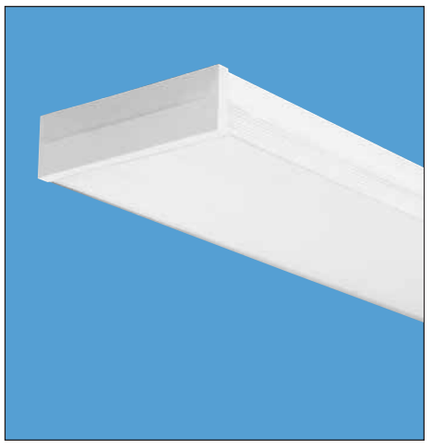
For surface or stem mounting, individual or row installation. For row installation, one hanger per fixture plus one per row required.

End plates shipped as accessory, one pair required for individual or end of row mount.

Decorative end plates are required for individual mount or one pair for each row of fixtures.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).



Ordering Information

Example: **VC 2 32 MVOLT GEB10IS VC2WH**

Series

VC Standard width
2VC 2 lamps in wide housing

For tandem double-length unit, add prefix **T**. Example: **TVC**

Number of lamps

2
4

Not included.

Lamp type

32 32W T8 (48")

Voltage

MVOLT
347

Options

1/4 One 4-lamp ballast
GEB10IS T8 electronic ballast, ≤10% THD, instant start
GEB10RS T8 electronic ballast, ≤10% THD, rapid start
CSA CSA Certified
NOM NOM Certified

See page 112 for others.

End plates

(blank) No end plates (for continuous runs)
VC2WH Two end plates, standard width, white (for individual fixture or end of row)
VC4WH Two end plates, wide width, white (for individual fixture or end of row)

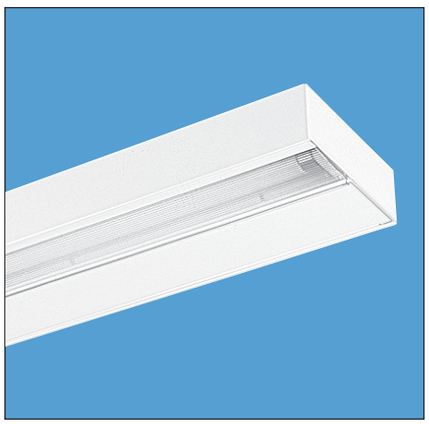
Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Width in.(cm)	Depth in.(cm)	Length in.(cm)
VC	2	2	10¾ (27.3)	3¼ (8.3)	48 (121.9)
	4	4	15¾ (40.0)	3¼ (8.3)	48 (121.9)
2VC	2	2	15¾ (40.0)	3¼ (8.3)	48 (121.9)
TVC	2	4	10¾ (27.3)	3¼ (8.3)	96 (243.8)
	4	8	15¾ (40.0)	3¼ (8.3)	96 (243.8)
T2VC	2	4	15¾ (40.0)	3¼ (8.3)	96 (243.8)

Solid-Front Undercabinet Lights

N2S

Finesse®



Intended Use

For undercabinet applications that require additional shielding from direct glare. Ideal for offices, hospitals, laboratories and kitchens.

Features

Trim, 1 5/8" low-profile design with a smooth show surface, free of knockouts.

Paint after fabrication, gloss-white enamel finish on all metal parts.

Solid-front housing eliminates direct glare.

Snap-in, positive lens retention.

Proprietary, shatter-resistant diffuser provides optimum uniformity of light distribution.

Utilizes T8 lamp technology for energy efficiency and maximum visual clarity.

Separate, hingeable service tray for easy installation and maintenance — no tools required for relamping.

Limited lifetime warranty.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **N2S 32 MVOLT GEB10IS**

Series
N2S

Lamp type	
13T8PH	13W T8 preheat (12")[1]
15T8PH	15W T8 preheat (18")[1]
15T8	15W T8 trigger start HPF (18")[1]
17	17W T8 (24")[1]
25	25W T8 (36")
32	32W T8 (48")
60T8	40W T8 (60")

Not included.

Voltage
MVOLT
120
277
347

Others available.

Options	
GEB10IS	T8 electronic ballast, instant start
GEB10RS	T8 electronic ballast, rapid start
GLR	Internal fast blow fuse[2]
GMF	Internal slow-blow fuse[2]
CSW	6-foot, 3-wire grounded cordset, right end[3,4,5]
CSWL	6-foot, 3-wire grounded cordset, left end[3,4,5]
CSWC	6-foot, 3-wire grounded cordset,back center[3,4,5]
CO	Convenience outlet, bottom right[3,6]
COL	Convenience outlet, bottom left[3,6]
SWR	Rocker switch, bottom right[3]
SWRL	Rocker switch, bottom left[3]
SWRC	Rocker switch, bottom center[3,7]
CSA	CSA Certified
NOM	NOM Certified

NOTES:
1 Not available with SWRC or RIF1 options.
2 Must specify voltage.
3 Available with 120V ballast only.
4 Not available with CO/COL convenience outlet options.
5 Cordset must always be specified for installation on same end of fixture as switch location.
6 Not available with CSW/CSWL/CSWC cordset options.
7 Not available on 12", 18" or 24" units.



Availability and Dimensions

Nominal length	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
1′	13T8PH	5½ (14.0)	1 5/8 (4.1)	12 1/8 (30.8)
1½′	15T8PH, 15T8	5½ (14.0)	1 5/8 (4.1)	18 1/8 (46.0)
2′	17	5½ (14.0)	1 5/8 (4.1)	24 1/8 (61.3)
3′	25	5½ (14.0)	1 5/8 (4.1)	36 1/8 (91.8)
4′	32	5½ (14.0)	1 5/8 (4.1)	48 1/8 (122.2)
5′	60T8	5½ (14.0)	1 5/8 (4.1)	60 (152.4)

All-Purpose Undercabinet Lights

2UC

Intended Use

For undercabinet or display lighting where a compact luminaire design is required. Provides medium light levels.

Features

All-purpose profile. Available in four lengths. T8 or T12 lamp source.

Fastener-free show surface.

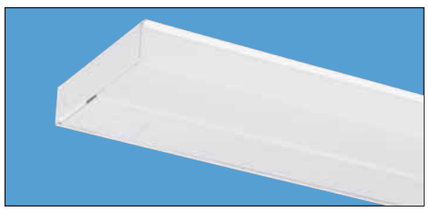
Separate, hingeable service tray for easy installation and maintenance — no tools required for relamping.

Flanged, shatter-resistant, milk-white diffuser.

Gloss-white enamel finish.

Listings

UL Listed (standard). CSA Certified (see Options).



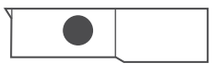
Ordering Information

Example: **2UC 30 AR 120 HPF**

Series	Lamp type	Diffuser	Voltage	Ballast options	Options
2UC	**15** 15W T12 (18") **17** 17W T8 (24") **20** 20W T12 (24") **25** 25W T8 (36") **30** 30W T12 (36") **32** 32W T8 (48") Not included.	(blank) Standard white **AR** High-impact white **OP** Opaque front, clear acrylic bottom	**MVOLT** **120** **277** **347** Others available.	**HPF** High power factor **LPF** Low power factor **GEB10IS** T8 electronic ballast, instant start **GEB10RS** T8 electronic ballast, rapid start	**SWR** Rocker switch, installed[1] **GLR** Internal fast blow fuse[2] **CSW** 6′ cordset, white[1] **CO** Grounded convenience outlet[1] **RIF1** Radio interference filter (one per fixture) **CSA** CSA Certified

Availability and Dimensions

Nominal length	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
1½′	15	5¼ (13.3)	$1^{13}/_{16}$ (4.6)	18¼ (46.4)
2′	17, 20	5¼ (13.3)	$1^{13}/_{16}$ (4.6)	24¼ (61.6)
3′	25, 30	5¼ (13.3)	$1^{13}/_{16}$ (4.6)	36¼ (92.1)
4′	32	5¼ (13.3)	$1^{13}/_{16}$ (4.6)	48¼ (122.6)



NOTES:
1 120V only.
2 Must specify voltage

Low-Profile Undercabinet Lights

UC

Intended Use

Use under cabinets in school, display or residential applications. Delivers medium light levels in a compact design.

Features

Trim, low-profile design. Available in five lengths. T5 lamp source.

Separate, hingeable service tray for easy installation and maintenance — no tools required for relamping.

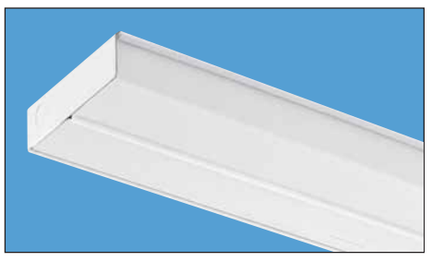
Factory-installed starters on all preheat models.

Romex conduit connector provided with each fixture.

Snap-fit, shatter-resistant, milk-white acrylic diffuser design with 15% DR.

Listings

UL Listed (standard). CSA Certified (see Options).



Ordering Information

Example: **UC 33 OP 120 CSW**

Series	Lamp type[1]	Diffuser	Voltage	Options
UC	**12** One 8W T5 (12") **21** One 13W T5 (21") **24** Two 8W T5 (24") **33** One 8W T5 and one 13W T5 (33") **42** Two 13W T5 (42") Not included.	(blank) White **OP** Opaque front, clear acrylic bottom	**120** **277** Others available.	**GLR** Internal fast blow fuse **CSW** 6′ cordset[2] **LPWW** Warm white 3000°K T5 lamp(s), installed **CO** Grounded convenience outlet[2] **SWR** Rocker switch, installed[2] **CSA** CSA Certified

Availability and Dimensions

Nominal length	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
1′	8	5 (12.7)	$1^{3}/_{16}$ (3.0)	$12^{3}/_{8}$ (31.4)
1¾′	13	5 (12.7)	$1^{3}/_{16}$ (3.0)	$21^{3}/_{8}$ (52.2)
2′	8 (2)	5 (12.7)	$1^{3}/_{16}$ (3.0)	24½ (62.3)
2¾′	8, 13	5 (12.7)	$1^{3}/_{16}$ (3.0)	33½ (85.1)
3½′	13 (2)	5 (12.7)	$1^{3}/_{16}$ (3.0)	42½ (108.0)

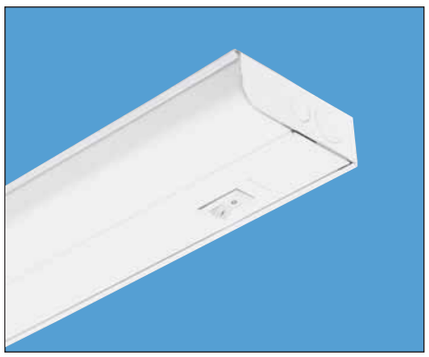


NOTES:
1 For instant-on ballast, add **E** after fixture length. Example: UC 33 **E** OP 120 CSW
2 120V only.

www.lithonia.com, keywords: 2UC and UC

All-Purpose Undercabinet Lights

UC8



Intended Use

For undercabinet or display lighting where a compact luminaire design is required.

Features

Low profile design with on/off switch. Available in four lengths. All mounting hardware included. Rugged powder coated steel housing. Separate, hingeable service tray for easy installation and maintenance. Milk white acrylic diffuser provides soft widespread illumination with zip-lock for easy lamp replacement and superior retention.

T8 electronic ballast (120V, 60Hz) as standard. Approved for residential use, ensures no flickering and quiet operation without interfering with home electronics.

Utilizes T8 lamps for energy efficiency, superior color rendering and long life. Not included.

Listings

Standard fixtures are UL Listed to US and Canadian safety standards.

Ordering Information

Example: **UC8 15 120 SWR**

Series	Lamp number & type[1]	Voltage	Switch	Options
UC8	**15** 15W T8 (18″) **24** 17W T8 (24″) **36** 25W T8 (36″) **48** 32W T8 (48″)	**120** Standard 120V electronic T8 ballast	**SWR** Standard on/off switch	Consult factory.

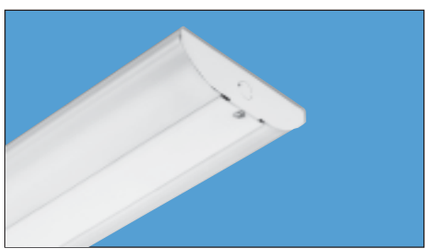
NOTES:
1 Lamps not included.

Availability and Dimensions

Nominal length	Model number	Number of lamps[1]	Length in. (cm)	Width in. (cm)	Depth in. (cm)
18″	UC8 15 120 SWR	(1) 15W T8	18 5/16 (46.5)	4 (10.2)	1 3/8 (3.5)
24″	UC8 17 120 SWR	(1) 17W T8	24 5/16 (61.8)	4 (10.2)	1 3/8 (3.5)
36″	UC8 25 120 SWR	(1) 25W T8	36 5/16 (92.2)	4 (10.2)	1 3/8 (3.5)
48″	UC8 32 120 SWR	(1) 32W T8	48 5/16 (122.7)	4 (10.2)	1 3/8 (3.5)

Twin Task Lights

TTL



Intended Use

Task lighting for under cabinets where a compact luminaire design is required.

Features

Low profile design with on/off switch. Available in two lengths. All mounting hardware included. Rugged powder coated steel housing. Milk white acrylic diffusers provide soft widespread illumination with zip-lock for easy lamp replacement and superior retention.

T5 electronic ballast (120V, 60Hz) as standard. Approved for residential use, ensures no flickering and quiet operation without interfering with home electronics.

Utilizes T5 lamps for energy efficiency, superior color rendering and long life. Not included.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **TTL 2 8W 120**

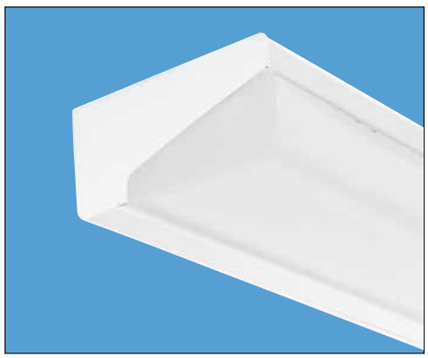
Series	Lamp number & type[1]	Voltage	Options
TTL	**2 8W** 8W T5 (12 1/2″) **2 13W** 17W T5 (21 1/2″)	**120** Standard 120V electronic T8 ballast	Consult factory.

NOTES:
1 Lamps not included.

Availability and Dimensions

Nominal length	Model number	Number of lamps[1]	Width in. (cm)	Depth in. (cm)	Length in. (cm)
12″	TTL 2 8W 120	(1) 8W T5	4 5/8 (11.7)	1 1/2 (3.2)	12 1/2 (31.8)
21″	TTL 2 13W 120	(1) 13W T5	4 5/8 (11.7)	1 1/2 (3.2)	21 1/2 (54.6)

WP



Intended Use

For applications that require a contemporary, low-profile appearance. Ideal for stairwells, restrooms, patient care lobbies or corridors.

Features

Available in 2′, 3′ or 4′ length with one or two lamps in cross-section.

All fabricated components of 20-gauge CRS. All metal parts finished with electrostatically deposited, thermally set polyester powder paint after fabrication.

Propriety, snap-in diffuser of tinted 50% DR acrylic with prismatic pattern.

Direct or direct/indirect distribution available.

Detachable, hinged electrical service tray for easy installation a nd maintenance. No tools required for relamping.

Fluorescent and incandescent night-light capabilities.

Through-wire/row-mount capabilities.

Standard finish post-paint, gloss-white enamel on all metal parts. Architectural black, 40% gloss post-paint available as an option.

Listings

UL Listed (standard). CSA Certified (see Options).

Ordering Information

Example: **WP 2 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Shielding type[1]	Voltage
WP	**1**	**17** 17W T8 (24")	(blank) #12 pattern inverted, .125" thick acrylic, uplight	**MVOLT**
	2	**20** 20W T12 (24")	**ACF125** Matte white flat acrylic, .125" thick, uplight[2]	**347**
	Not included.	**25** 25W T8 (36")	**PCL12125V** #12 pattern inverted, .125" thick polycarbonate, uplight[2]	
		30 30W T12 (36")		
		32 32W T8 (48")		

Options	
S1	Left-mounted on/off pull-switch (all lamps)[3,4]
S2	Left-mounted on/off pull-switch for downlight, remote uplight switching[3,5,6]
S4	Left-mounted 4-position pull-switch (front only, rear only, all on, all off)[3,4,5,6]
BF	Internal baffle to divide uplight and downlight[2]
SWR	Rocker switch, bottom right[3,4]
CO	Grounded convenience outlet, right-mounted[4]
MB	Architectural matte black finish
RIF1	Radio interference filter (one per fixture)
GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10PS	T8 electronic ballast, ≤10% THD, rapid start
2/1	Two 1-lamp ballasts
TPS	Tamperproof screw
DO	Downlight only; solid-top metal housing
CSA	CSA Certified

NOTES:
1 Supplied with standard high-impact acrylic lower diffuser.
2 Not available with **DO** option.
3 120V.
4 Specify 120/277 voltage.
5 Requires **BF** option.
6 Requires **2/1** option for 2-lamp fixtures.

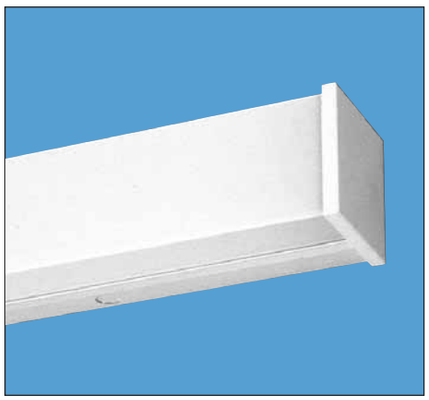
Accessories	(Order separately)
U4220	Hex-base driver bit, Torx TX20, for tamper-resistant screws with center pin

Availability and Dimensions

Series	Number of lamps	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
WP	1, 2	17, 20	7 3/8 (18.7)	3 1/4 (8.26)	24 7/16 (62.1)
		25, 30	7 3/8 (18.7)	3 1/4 (8.26)	36 7/16 (92.6)
		32	7 3/8 (18.7)	3 1/4 (8.26)	48 7/16 (123.0)

All-Purpose Wall Brackets

WC



Intended Use

For multi-purpose areas such as corridors, utility rooms and lavatories where high vertical illumination is required.

Features

Available in 2', 3' and 4' models.

Suitable for wall or ceiling mounting.

Can be mounted vertically or horizontally. For individual mounting.

Steel housing with opal acrylic diffuser standard. Clear, prismatic #12 pattern acrylic lens and front metal fascia available.

Easy-maintenance design. Standard endcaps are spring-loaded for easy diffuser removal – no tools required.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **WC 2 32 MVOLT GEB10IS**

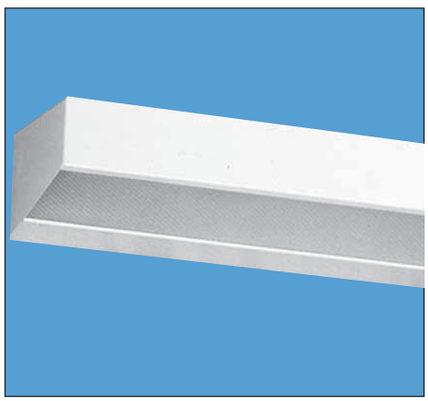
Series	Number of lamps	Lamp type	Diffuser type	Voltage	Options
WC	**1**	**17** 17W T8 (24")	(blank) Matte white opal acrylic	**MVOLT**	**GEB10IS** T8 electronic ballast, ≤10% THD, instant start
	2	**20** 20W T12 (24")	**A12** #12 pattern acrylic	**347**	**GEB10PS** T8 electronic ballast, ≤10% THD, rapid start
	Not included.	**25** 25W T8 (36")	**FAC** Matte white opal acrylic with front metal fascia		**S1** On/off pull-switch (all lamps), lower left[1,2]
		30 30W T12 (36")	**FA12** #12 pattern acrylic with front metal fascia		**CO** Grounded convenience outlet, lower right[1,2]
		32 32W T8 (48")			**MB** Architectural matte black finish
					CSA CSA Certified
					NOM NOM Certified

NOTES:
1 120V only.
2 Specify 120/277V.

Availability and Dimensions

Series	Number of lamps	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
WC	1, 2	17, 20	4⅝ (11.7)	4⅝ (11.7)	24 (61.0)
		25, 30	4⅝ (11.7)	4⅝ (11.7)	36 (91.4)
		32	4⅝ (11.7)	4⅝ (11.7)	48 (121.9)

WS



Intended Use

For applications where direct distribution is preferred in a simple, unobtrusive design.

Features

Trim, contemporary design fits any wall-mount application. Steel housing with high-gloss white enamel PAF finish standard.

Available in 2', 3' and 4' models.

Welded 20-gauge steel construction.

Designed for easy installation and maintenance.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **WS 2 32 A12 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Diffuser type	Voltage	Options
WS	**1** Not included.	**17** 17W T8 (24")	**A12** #12 pattern acrylic	**MVOLT**	**1/3** One 3-lamp ballast
	2 Not included.	**25** 25W T8 (36")	**A12125** #12 pattern acrylic, .125" thick	**347**	**1/4** One 4-lamp ballast
		32 32W T8 (48")	**A19** #19 pattern acrylic, .156" thick		**GEB10IS** T8 electronic ballast, instant start
					GEB10RS T8 electronic ballast, rapid start
					S1 On/off pull-switch (all lamps), lower left[1]
					CO Grounded convenience outlet, lower right[1]
					SWR Rocker switch installed[1]
					CSA CSA Certified
					NOM NOM Certified

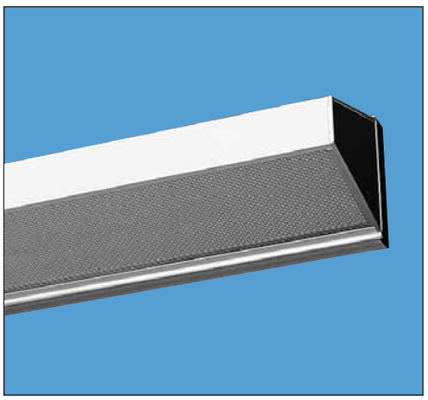
Availability and Dimensions

Series	Nominal length	Number of lamps	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
WS	2′	1, 2	17, 20	6 7/8 (17.5)	3½ (8.9)	25 (63.5)
	3′	1, 2	25, 30	6 7/8 (17.5)	3½ (8.9)	37 (94.0)
	4′	1, 2	32, 40	6 7/8 (17.5)	3½ (8.9)	49 (124.5)

NOTES:
1 120V only.

Contemporary Wall Brackets

W



Intended Use

For applications where a sleek, brushed aluminum fixture body in a direct lighting pattern will enhance the space.

Features

One-piece, brushed aluminum housing assembly.

Injection-molded end plates standard with woodgrain vinyl finish.

Lens housing secured to channel assembly by spring-loaded latches.

Acrylic diffusers standard (prismatic lower .125", matte white upper panel .187").

Grounded convenience outlet available on 120V unit.

Standard configuration – Uplight and downlight, optional downlight only available with DO option.

Uplight and downlight distribution options available.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **W 2 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Diffuser type	Voltage	Options
W	**1**	**U16** 16W T8 U (12")[1]	(blank) #12 pattern diffuser, .187" thick, upper lens	**MVOLT**	**GEB10IS** T8 electronic ballast, instant start
	2	**17** 17W T8 (24")	**A12U** #12 pattern diffuser, .125" thick, upper lens	**347**	**GEB10RS** T8 electronic ballast, rapid start
	Not included.	**CF18** 18W TT5 RS (12")	**A19** #19 pattern diffuser, .156" thick		**A12U** #12 pattern diffuser, .125" thick, upper lens
		20 20W T12 (24")	**ACF** Flat acrylic matte white diffuser, .125" thick		**DO** Downlight only
		25 25W T8 (36")			**S1** On/off pull-switch (all lamps)[2]
		30 30W T12 (36")			**BF** Baffle to divide uplight and downlight
		32 32W T8 (48")			**N** Night-light, unswitched, 7W C7 lamp (included), top left
					NS Night-light with push-switch, 7W C7 (included), top left
					CO Grounded convenience outlet[2]
					AE Brushed aluminum end cap appliques
					MB Matte black finish
					MW Matte white finish
					CSA CSA Certified
					NOM NOM Certified

NOTES:
1 One lamp only.
2 120V only.

Availability and Dimensions

Series	Nominal length	Number of lamps	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
W	1′	1	U16	7 1/32 (17.9)	5 1/8 (13.0)	13 5/8 (34.6)
	1′	1, 2	CF18	7 1/32 (17.9)	5 1/8 (13.0)	13 5/8 (34.6)
	2′	1, 2	17, 20	7 1/32 (17.9)	5 1/8 (13.0)	24 3/8 (61.9)
	3′	1, 2	25, 30	7 1/32 (17.9)	5 1/8 (13.0)	36 3/8 (92.4)
	4′	1, 2	32	7 1/32 (17.9)	5 1/8 (13.0)	48 3/8 (122.9)

WB
WM

Intended Use

For applications where a controllable direct or indirect component is desired. Ideal for corridors, dressing rooms, hospitals or other patient-care facilities.

Features

Available in 2', 3' and 4' models.

Die-cast aluminum ends and matching aluminum door. Woodgrain vinyl finish standard.

Door locks open for easy relamping.

Heavy-gauge steel housing and wireway assembly.

Internal baffle for uplight and/or downlight, four-position pull-switch and grounded convenience outlet are standard on WM, optional on WB.

WM available in 120V only. Pull-switches and convenience outlets available on 120V only.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).



Ordering Information

Example: **WB 2 32 A12 MVOLT GEB10IS**

Series	
WB	Commercial
WM	Medical

Number of lamps[1]
1
2
3
4
Not included.

Lamp type	
17	17W T8 (24")
20	20W T12 (24")
25	25W T8 (36")
30	30W T12 (36")
32	32W T8 (48")

Shielding type	
A12	#12 pattern acrylic (uplight and downlight)
A12L	#12 pattern acrylic (downlight only) – WB only
A12U	#12 pattern acrylic (uplight only)
3EA	KSH 3-E asymmetric lens (no direct light away from wall)

Voltage
MVOLT
347
Not included.

Options	
1/3	One 3-lamp ballast
1/4	One 4-lamp ballast
GEB10IS	T8 electronic ballast, instant start
GEB10RS	T8 electronic ballast, rapid start
S1	On/off pull-switch (all lamps). WB only[2]
S2	On/off pull-switch for downlight; remote uplight switching[2, 3, 4]
BF	Baffle to divide uplight and downlight[5]
CO	Grounded convenience outlet[2, 5]
N	Night light, unswitched, top left. 7W C7 lamp (included)[2]
NS	Nightlight with push-switch, top left. 7W C7 lamp (included)[2]
XB	Mounting bracket and power supply for examination light; WM only [2]
IV	IV arm assembly, right-end mounting. WM only
WH	White finish
CSA	CSA Certified
NOM	NOM Certified

NOTES:

1 Three-lamp models are standard with two lamps bottom, one top. Order **Y** option for one bottom, two top. Example: WB 3**Y** 32 A12 120.
2 120V only.
3 Requires **BF** option.
4 Requires **2/1** option for 2-lamp fixtures.
5 Standard on WM, not available in Canada.

Availability and Dimensions

Series	Nominal length	Number of lamps	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
WB	2′	1, 2, 3, 3Y, 4	17, 20	6 ¾ (17.1)	5 ½ (14.0)	24 ¼ (61.6)
WB	3′	1, 2, 3, 3Y, 4	25, 30	6 ¾ (17.1)	5 ½ (14.0)	36 ¼ (92.1)
WM	3′	2, 3, 3Y, 4	25, 30	6 ¾ (17.1)	5 ½ (14.0)	36 ¼ (92.1)
WB	4′	1, 2, 3, 3Y, 4	32	6 ¾ (17.1)	5 ½ (14.0)	48 ¼ (122.6)
WM	4′	2, 3, 3Y, 4	32	6 ¾ (17.1)	5 ½ (14.0)	48 ¼ (122.6)

Accessories for WM (Order separately)

XL	Examination light. Light gray finish standard. Uses one medium-base A lamp, 100W maximum. Must order XB option for mounting bracket and power supply outlet.[2]
XLL	XL with louver.

Fluorescent High Bays

Lithonia Lighting is the leader in T5HO fluorescent high bays as a one-for-one alternative for HID lighting systems. Lithonia offers a wide variety of lighting systems to meet individual tasks. The Lithonia high bay offering provides both reliability and performance.

Specific fixtures include Cool Running™ Technology for peace-of-mind operation in even the most demanding applications.

COOL RUNNING™ TECHNOLOGY

Energy Savings

Fluorescent systems provide up to 50% savings when compared to existing 400-watt metal halide systems. Depending on your choice of lamp type, fluorescent is the right choice for comparable perceived light while providing significant energy savings.

Lighted Space

The fluorescent systems provide a number of benefits when compared to common high bay products. Fluorescent improves uniformity in the space thus eliminating the scallops or poor uniformity commonly associated with other systems.

Maintained Illumination

Fluorescent provides improved illumination in the space by providing the right amount of light at initial installation and carries on until the rated end of life. Typical fluorescent lamps lose only 10% of the rated lamp lumens throughout the life of the lamp while metal halide can lose up to 50% from initial rated lumens.

Improved Color

Fluorescent systems are rated at 70+ or 80+ CRI compared to common metal halide sources at 62. This improvement in color provides a better lighted space, cleaner environment and the perception of higher light levels.

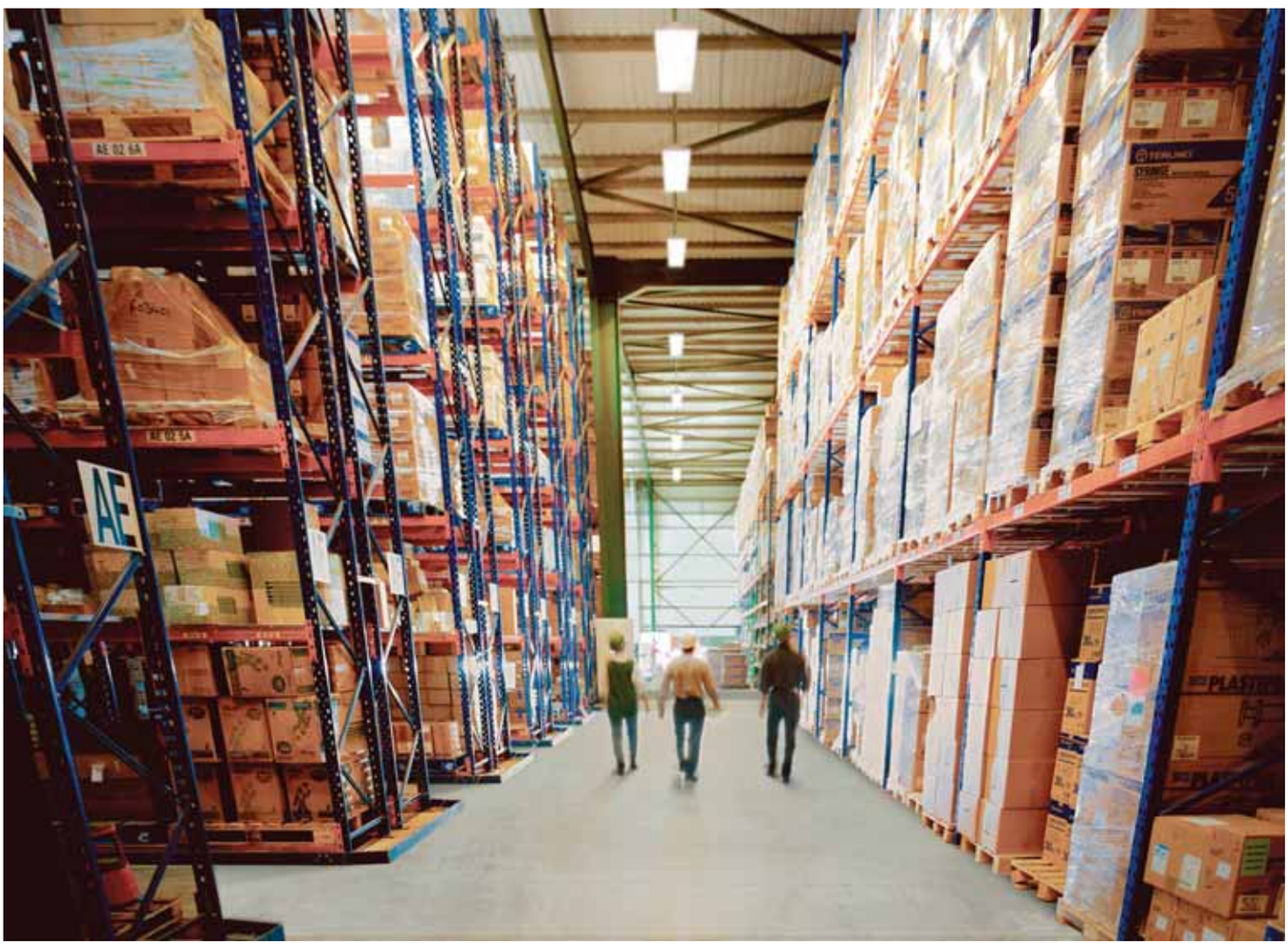
Other Common Benefits

Sound Rating – Fluorescent systems are A sound rated thus providing a quieter environment for employees and/or customers.

Low profile – Fluorescent high bays are much lower profile thus reducing the likelihood of accidental damage caused by forklifts or other machinery.

Low Mercury – Even with more lamps the combined total of fluorescent lamps have half the mercury content of metal halide lamps.

Lithonia Lighting offers a wide offering of fluorescent high bay products to meet any application need.



I-BEAM™



Intended Use

The I-BEAM™ Series is the workhorse of the high bay series of products. The I-BEAM™ fixture is the first fluorescent high bay to include T5HO Cool Running™ Technology with a 5-year ballast warranty and is UL Listed up to 55° C applications. The I-BEAM™ Series is ideal for applications such as manufacturing or warehousing where elevated ambient temperatures are common.

Features

Standard with unique high temperature T5HO system technology for applications up to 55° C.

Five-year ballast warranty.

Available with narrow (aisle) or high mounting heights or wide (general or lower mounting heights) distribution.

4 or 6-lamp configuration with T5HO or T8 lamps.

Recommended mounting 16'-40'.

SPEC-BEAM™



Intended Use

The SPEC-BEAM™ Series couples high performance in a rugged-construction, full-body design to provide reliable performance in any application. SPEC-BEAM™ fixtures feature Cool Running™ Technology and 5-year ballast warranty for T5HO with a UL listing for 55° C. Applications include warehousing, industrial, commercial, retail and manufacturing.

Available soon.

Features

Cool Running™ Technology with T5HO system with five-year ballast warranty will be available soon.

Single- or two-point mounting.

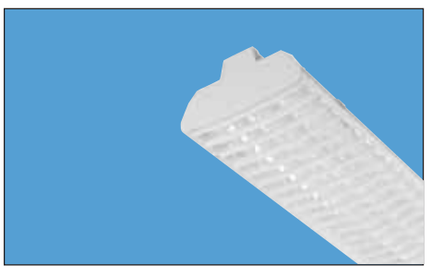
Open optical or shielding.

A variety of photometric distributions to meet any application need.

Available in 2, 3, 4, or 6-lamp operation.

Recommended mounting from 16'-40'.

MS5HB/MS8



Intended Use

The distinctive appearance of the MS5HB fixture only is matched by the reliable performance it provides. This series includes cross blades for additional shielding of the lamps. Ideal for climate-controlled spaces in medium to low mounting heights where shielding of the lamps is important such as assembly lines, retail or aisles.

Features

Linear design provides improved uniformity in space.

T5HO or T8 lamp types in 2 or 3-lamp cross section.

Wide or narrow distribution.

Cross blades for lamp shielding.

Mounting styles include aircraft cable, tong or chain.

Recommended mounting 14'-30'.

FAL



Intended Use

Designed to deliver peak optical performance with maximum efficiency and beam control in industrial, commercial and insitutional applications. Using high performance optics can reduce the number of fixtures required and maximize energy savings. Ideal for high ambient operation with Cool Running™ Technology and 5-year ballast warranty.

Available soon.

Features

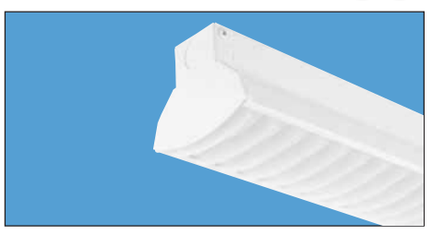
Available in 8', 12' or 16' lengths with 1-lamp cross section.

Focused beam for high performance.

Suspended mounting.

Recommended mounting heights 18'-50'.

MS5



Intended Use

The MS5 Series is the right choice for applications requiring high light levels at lower mounting heights in a compact fixture design. The MS5 fixture is ideal for applications requiring shielding such as assembly lines, retail offices, corridors, aisles or libraries. Suspended use in climate-controlled spaces.

Features

Compact design makes this product unobtrusive yet provides high light levels in a 1 or 2-lamp cross section.

T5 or T5HO lamp types.

Cross blade louver provides excellent shielding.

Very low profile.

Recommended mounting 8'-16'.

Fluorescent High Bay

I-BEAM™

I-BEAM FLUORESCENT HIGH BAY LIGHTING

COOL RUNNING TECHNOLOGY



Intended Use

The I-BEAM™ Series is the ideal one-for-one replacement of common metal halide high bay systems. Applications include manufacturing, warehousing, commercial facilities and retail. I-BEAM™ fixtures perform best at mounting heights from 15'-40'.

Features

The I-BEAM™ Series includes patented T5HO Cool Running™ Technology for elevated ambient operation up to 55° C.

Five-year ballast warranty on T5HO or T8 ballast.

Tall end caps protect optical system during shipment and installation.

Available in 4 or 6-lamp configuration.

Optics available with or without uplight.

Narrow distribution (ND) ideal for aisle or higher mounting heights. Reflector includes precision-formed segmented optics utilizing Alanod MIRO® 4 specular .

Wide distribution is achieved with high reflectance white paint. Ideal for general or open areas.

Sockets include rotating collars and enclosed contacts.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **IB 454L**

Series

IB I-BEAM™

Number of lamps/wattage

Lamps Installed[1]

454L 4-lamp, 54W T5HO
654L 6-lamp, 54W T5HO
432L 4-lamp, 32W T8
632L 6-lamp, 32W T8

Unlamped

432 4-lamp, 32W T8
632 6-lamp, 32W T8

Distribution

(blank) Narrow distribution with uplight
NDS Narrow distribution with no uplight
WD Wide with uplight
WDS Wide distribution, no uplight

Voltage

(blank) MVOLT[2]
120 120 volt
277 277 volt
347 347 volt[3]
480 480 volt[3]

Ballast

T5HO

(blank) Program start 1.0 BF

T8

(blank) Instant start 1.2 BF
GEB10IS Instant start 0.88 BF

Ballast configuration

(blank) Standard configuration[4]
2/3 Two three-lamp ballasts
2/2 Two two-lamp ballasts

Lamps installed

T5HO

(blank) F54T5HO/841
LP835 F54T5HO/835
LP830 F54T5HO/830
LP850 F54T5HO/850

T5HO Amalgam

LP830A F54T5HO/830
LP835A F54T5HO/835
LP841A F54T5HO/841

T8

(blank) F32T8/741
LP735 F32T8/735
LP730 F32T8/730

Options

EL14 Emergency battery pack (1400 lumens)[5]
MSI Occupancy-sensor prewired[6]
GLR Internal fast blow fusing[6]
OCS OCS OnePass® installed[6]
FSP Integral side panels

Accessories (Order separately)

IBAC120 Aircraft cable 10' Y hanger (one pair)
IBAC240 Aircraft cable 20' Y hanger (one pair)
WGIBZ Wireguard, zine-coated
HC36 Chain hanger, 36"

NOTES:

1 Lamps installed are F54T5HO/841 for T5HO and F32T8/741 for T8.
2 120-277 volt. Avialable on T5HO and T8. 0.88 BF only.
3 For use with T5HO only. Consult factory for use with T8.
4 See ballast configuration chart.
5 UL Listed for 40°C ambient.
6 Specify voltage.

Ballast Configuration Chart

Lamp type	4-lamp	6-lamp
T5HO	(1) 4-lamp ballast	(1) 4-lamp and (1) 2-lamp ballast
T8 (.88)	(1) 4-lamp ballast	(1) 4-lamp and (1) 2-lamp ballast
T8 (1.2)	(2) 2-lamp ballasts	(2) 3-lamp ballasts

SPEC-BEAM™

COOL RUNNING TECHNOLOGY
Available soon.

SPEC-BEAM™
SPECIFICATION GRADE HIGH-BAY



Intended Use

Ideal for one replacement for HID high bay luminaires. Provides large area lighting in a variety of photometric distributions for warehouse, industrial, commercial, retail and manufacturing areas.

Features

Patented T5HO Cool Running™ Technology UL Listed operation up to 55° C with 5-year ballast warranty will soon be available.

Four optical systems that can be tailored to meet specific application needs. All reflectors systems include 95% reflective specular Alanod MIRO® 4. Reflector warranted for 25 years.

Focus – Precision control narrow distribution for maximum punch in tight spaces.

Narrow – Standard distribution for narrow distribution in narrow aisles or higher mounting heights.

Medium – Ideal for wide aisle or medium mounting heights. High reflectance specular.

Wide – The best choice for medium mounting heights in general or open spaces at medium to low mounting heights.

Reflector choices include uplight or direct. No uplight options include 2-3% uplight for heat management venting.

Suitable for single monopoint or two-point fixture mounting, chain, cable or monopoint hangers.

Lamp shielding option is available with hinge and rotary cam latches for easy access to optical system. Lenses are held in place with lens clips.

Option fixture housing with aluminum construction.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **FSB 654L**

Series

FSB	SPEC-BEAM™

Number of lamps/wattage

Lamps installed[1]

254L	2-lamp, 54W T5HO
354L	3-lamp, 54W T5HO
454L	4-lamp, 54W, T5HO
654L	6-lamp, 54W T5HO
232L	2-lamp, 32W T8
332L	3-lamp, 32W T8
432L	4-lamp, 32W T8
632L	6-lamp, 32W T8

Unlamped

232	2-lamp, 32W T8
332	3-lamp, 32W T8
432	4-lamp, 32W T8
632	6-lamp, 32W T8

Photometric distribution

(blank)	Narrow distribution with uplight 0.9≤SC<1.2
NDS	Narrow distribution no uplight 0.9≤SC<1.2[2]
KD	Medium distribution with uplight 1.2≤SC≤1.4
KDS	Medium distribution no uplight 1.2≤SC≤1.4[2]
SD	Spread distribution with uplight 1.4<SC≤1.8
SDS	Spread distribution no uplight 1.4<SC≤1.8[2]
WD	Wide distribution with uplight 1.8<SC[3]
WDS	Wide distribution no uplight 1.8<SC[2]
TD	Focus distribution with uplight SC<0.9[3]
TDS	Focus distribution no uplight SC<0.9[3]

Lamp shielding[4]

(blank)	No shielding
A12	Pattern 12 acrylic[5]
ACL	Clear acrylic, 0.125"
PCL125	Clear polycarbonate, 0.125"

Voltage

(blank)	MVOLT[6]
120	120 volt
277	277 volt
347	347 volt
480	480 volt[7]

Ballast configuration

(blank)	Standard configuration (see chart)
2/3	(2) 3-lamp ballast
2/2	(2) 2-lamp ballast

Ballast type

T5HO

(blank)	Program start, 1.0 BF

T8

(blank)	Instant start, 1.2 BF
GEB10IS	Instant start, 0.88 BF

Lamps installed

T5HO

(blank)	F54T5HO/841
LP830	F54T5HO/830
LP835	F54T5HO/835
LP850	F54T5HO/850

T5HO Amalgam

LP830A	F54T5HO/830
LP835A	F54T5HO/835
LP841A	F54T5HO/841

T8

(blank)	F32T8/741
LP730	F32T8/730
LP735	F32T8/735

Options

EL14	Emergency battery pack (1400 Lumens)[8]
GLR	Internal fast blow fusing[9]
OCS	OnePass® Installed[9]
MSIA	Occupancy sensor prewired aisle wedge[9]
MSI360	Occupancy sensor prewired 360° area for 25'[9]
AL	Aluminum construction, PAF
PAF	Powder coat after fabrication
WGI	Wireguard, 11 gauge, PAF
OUTCTR	Wiring leads through center of fixture (For use with monopoint hanger when using hanger as a wiring connection point)

Accessories (Order as separate catalog number)

FSBAC120	Aircraft cable 10' Y hanger (one pair)
FSBAC240	Aircraft cable 20' Y hanger (one pair)
HSD36	Chain hanger, 36"
THSD	Monopoint hanger w/ top opening
THSDHB	Monopoint hanger w/ 3/4" hub
THSDSK	Side covers for Monopoint hanger (For use with Monopoint hanger when using hanger as a wiring connection point)

NOTES:

1. Lamps installed are F54T5HO/841 for T5HO or F32T8/741 for T8. All T5HO fixtures ship lamped.
2. No uplight reflectors options incorporate heat managing venting above the fixture that produce 2-3% uplight.
3. T5HO lamps only.
4. Lamp shielding is provided in door frame.
5. A12 not available with WD and WDS distribution.
6. 120-277 volt.
7. For use with T5HO. Consult factory for T8.
8. UL Listed for 40 °C only. Consult factory for 6-lamp fixtures.
9. Specify voltage.

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Height
12"x4"	FSB 2	2	32, 54T5HO	4.7"
	FSB 3	3	32, 54T5HO	4.7"
16"x4"	FSB 4	4	32, 54T5HO	4.7"
24"x4"	FSB 6	6	32, 54T5HO	4.7"

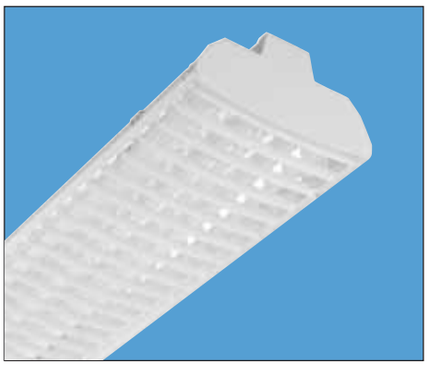
Standard Ballast Configuration Chart

Lamp type	2-lamp	3-lamp	4-lamp	6-lamp
T5HO	(1) 2-lamp ballast	(1) 3-lamp ballast	(1) 4-lamp ballast	(1) 4-lamp ballast and (1) 2-lamp ballast
T8 (0.88)	(1) 2-lamp ballast	(1) 3-lamp ballast	(1) 4-lamp ballast	(1) 4-lamp ballast and (1) 2-lamp ballast
T8 (1.2)	(1) 2-lamp ballast	(1) 3-lamp ballast	(2) 2-lamp ballasts	(2) 3-lamp ballasts

www.lithonia.com, keyword: SPEC-BEAM

Fluorescent High Bay

MS5HB/ MS8



Intended Use

Intended for use in retail stores, warehouses and manufacturing applications where high lumen package in a compact fixture design is required. Ideal for mounting heights up to 35 feet in controlled ambient facilities. Recommended for climate control spaces.

Features

Available in 2 or 3-lamp cross-section.

White straight blade louver assembly provides shielding and reduces brightness. Louver assembly is hinged and latched for easy servicing.

20-gauge housing/reflector provides rugged construction.

Narrow distribution for aisle applications or wide distribution for general areas, direct or uplight versions available.

Sockets feature rotating collars and enclosed contacts.

For individual or row mounting, a variety of hanging methods such as tong hangers, aircraft cable or stems available.

Listings

UL Listed (standard). CSA Certified (see Options).

Ordering Information

Example: **TMS5HB 3 54T5HO SBL ND MVOLT 1/41/2 GEB10PS**

Series

MS5HB	T5 low-profile direct/indirect
MS5HBST	T5 low-profile solid top[1]
MS8	T8 low-profile direct/indirect
MS8ST	T8 low-profile solid top

For tandem double-length unit, add prefix T. Example: **TMS5HB**

Number of lamps

2	
3	

Not included

Lamp type

32	32WT8 (48″)
54T5HO	54W T5HO (46″)

Configuration

(blank)	No louver
SBL	White straight blade louver assembly

Distribution

ND	Narrow
WD	Wide

Voltage

MVOLT
347
480

Ballast configuration

(blank)	All 2-lamp ballasts[2]
1/3	One 3-lamp ballast
1/4	One 4-lamp ballast
1/41/2	One 4-lamp balllast and one 2-lamp ballast
2/3	Two 3-lamp ballasts

Ballast type

GEB10PS	T5 electronic ballast, program start
GEB10IS	T8 electronic ballast, instant start

Options

GLR	Internal fast blow fuse[3]
GMF	Internal slow blow fuse[3]
EL55	T5 emergency battery pack (nominal 1250 lumens)
CSA	CSA Certified

NOTES:
1 Available in 2 lamp only.
2 Odd lamp configurations will include a lamp ballast.
3 Specify voltage.

Accessories (Order separately)

MSHBAC_	Adjustable aircraft cable support (non-feed), (specify length as **36**, **72** or **120** inches).
MSHBACF_	Aircraft cable feed and support, (specify length as **36**, **72** or **120** inches).
THMS5HB	Tong hanger.
SQ_	Swivel stem hanger (specify length in 2" increments.
HC36	Chain hanger – 36".
WGMS5HB2	4′ wire guard for MS5HB, zinc coated. (Two required for 8′ lengths)
WGMS8Z	4′ wire guard for MSB, zinc coated. (Two required for 8′ lengths)

Availability and Dimensions

Series	Lamps per cross-section	Lamps per fixture	Lamp type	Width in.	Depth in.	Length in.
MS5HB	2, 3	2, 3	54T5HO	9¾	4¼	46 1/16
TMS5HB	2, 3	4, 6	54T5HO	9¾	4¼	92 1/8
MS5HBST	2	2	54T5HO	9¾	4¼	46 1/16
TMS5HBST	2	4	54T5HO	9¾	4¼	92 1/8
MS8	2, 3	2, 3	32	9¾	4¼	48
TMS8	2, 3	4, 6	32	9¾	4¼	96

FAL

COOL RUNNING TECHNOLOGY
Available soon.

Intended Use

FAL luminaires are designed to deliver peak optical performance with maximum efficiency and beam control in industrial, commercial, and institutional applications with mounting height up to 50′. Using high performance optics can reduce the number of fixtures required and maximize energy savings.

Features

Patented T5HO Cool Running™ Technology for elevated ambient operation up to 55°C will soon be available. Available in three lengths: 8′, 12′ and 16′. 12′ assembly includes a 4′ and 8′ section, 16′ assemblies include two 8′ assemblies. Fixtures are joined together in the field with rigid internal brackets using 8 screws. All assemblies require only two support points. See accessories below.

Reflector is precision-formed, high-performance, 95% total reflectance, and segmented optics utilizing Alanod MIRO® 4 specular aluminum. Warranted for 25 years.

One lamp cross section with focused beam.

For suspension by chain or cable.

Tool-less ballast and wiring access.

Internal occupancy sensors standard. T8 fixtures that are specified with internal sensors are 6″ longer.

Secured with rotary locking lamp sockets to minimize disconnection from vibration or incidental contact.

Listings

UL Listed to US and Canadian safety standards.



Ordering Information

Example: **FAL 54L**

Series
- **FAL** Aisle lighter, 8′
- **FAL12** Aisle lighter, 12′
- **FAL16** Aisle lighter, 16′

Wattage/lamps
Lamps installed[1]
- **54L** 54WT5HO
- **32L** 32W T8

Unlamped
- **54** 54W T5HO
- **32** 32W T8

Distribution
- (blank) Focus distribution no uplight, SC < 0.9

Voltage
- (blank) MVOLT[2]
- **347** 347 volt
- **480** 480 volt[3]

Ballast type
T5HO
- (blank) Program start, 1.0 BF

T8
- (blank) Instant start, 1.2 BF
- **GEB10IS** Instant start, 0.88 BF

Ballast configuration
- (blank) Standard configuration (see chart)
- **1/4** One 4-lamp ballast
- **2/2** Two 2-lamp ballasts

Lamps installed
T5HO
- (blank) F54T5HO/841
- **LP830** F54T5HO/830
- **LP835** F54T5HO/835
- **LP850** F54T5HO/850

T5HO Amalgam
- **LP841A** F54T5HO/841
- **LP830A** F54T5HO/830
- **LP835A** F54T5HO/835

T8
- (blank) F32T8/741
- **LP730** F32T8/730
- **LP735** F32T8/735

Options
- **EL14** Emergency battery pack (1400 lumens)[4]
- **GLR** Internal fast blow fuse[5]
- **OCS** OCS OnePass® installed[5]
- **MSIA** Occupancy sensor prewired aisle wedge[5]
- **PAF** Powder coat after fabrication
- **WGI** Wireguard, 11 gauge, PAF

NOTES:
1. Lamps installed are F54T5HO/841 for T5HO or F32T8/741 for T8.
2. 120-277 volt.
3. For use with T5HO. Consult factory for use with T8.
4. UL Listed for 40°C ambient.
5. Specify voltage.
6. Not for use with sensors.

Accessories	(Order as separate catalog number)
FSBAC120	Aircraft cable 10' Y hanger (one pair)
FSBAC240	Aircraft cable 20' Y hanger (one pair)
HSD36	Chain hanger, 36″
WGFAL	Wireguard, 43″[6]

Availability and Dimensions

Nominal size	Series	Fixture configuration	Number of lamps
7.2"x8'	FAL	8′ section	2
7.2"x12'	FAL 12	4′ + 8′ section	3
7.2"x16'	FAL 16	(2) 8′ sections	4

Standard Ballast Configuration Chart

Lamp type	8′	12′	16′
T5HO	(1) 2-lamp ballast	(1) 3-lamp ballast	(1) 4-lamp ballast
T8 (0.88)	(1) 2-lamp ballast	(1) 3-lamp ballast	(1) 4-lamp ballast
T8 (1.2)	(1) 2-lamp ballast	(1) 3-lamp ballast	(2) 2-lamp ballasts

Low-Profile T5 Direct

MS5



Intended Use

Use in surface or suspended applications such as retail, manufacturing or renovation that require high light levels in a compact luminaire design.

Features

Compact, low-profile design. High fixture performance.

Extended-height end caps for socket support. Full end cap available.

High-gloss baked white enamel or galvanized finish.

Choice of 1 or 2 lamps in 2', 3', 4' or 8' lengths.

Available reflectors include white, specular or galvanized finishes in solid or perforated styles.

White straight blade louver available for applications requiring additional shielding and cutoff.

Aircraft cable mounting hardware available.

Listings

UL Listed (standard). CSA Certified (see Options).

Ordering Information

Example: **MS5 1 54T5HO SMR MVOLT GEB10PS**

Series
MS5
For tandem double-length unit, add prefix T[1]. Example: **TMS5**

Number of lamps
1
2
Not included.

Lamp type

14T5	14W T5 (22")
21T5	21W T5 (34")
24T5HO	24W T5HO (22")
28T5	28W T5 (46")
39T5HO	39W T5HO (34")
54T5HO	54W T5HO (46")

Configuration

(blank)	No reflector
ASMR	Asymmetric reflector
SMR	Symmetric reflector
SBL	White straight blade louver assembly (solid, white reflectors included)[1,2]

Finish

(blank)	White
SAR95	Specular aluminum reflector-MIRO® (white channel)
GALV	Galvanized

Reflector style

(blank)	Solid
PERF	Perforated

Voltage
MVOLT
347[3]

Options

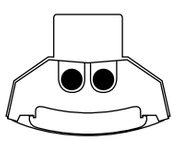
GEB10PS	Electronic ballast, program start
GLR	Internal fast blow fuse[4]
GMF	Internal slow blow fuse[4]
EL55	Emergency battery pack (nominal 390-700 lumens)[1,4,5]
CSA	CSA Certified

See page 113 for others.

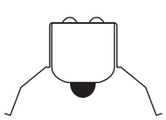
NOTES:
1 Only available on 28W and 54W.
2 Finish and reflector type not applicable.
3 Available with 54T5HO lamp type only.
4 Specify voltage.
5 Not available in Canada.
6 Not for use in combination with reflector.
7 Available with 3', 4' and 8' lengths only.
8 120-277V only for power feed.
9 Standard wire size for power feed is 18 gauge. For 12 gauge add **12AWG** to the end of catalog number. Consult factory for length of runs and required wire size.
10 Based on SMR reflector.

Accessories (Order separately)

WGMS5Z	Wireguard, 4', zinc[6]
THMS5	Tong hanger (1 pair)
MS5EP	Full depth end plate for standard reflector (1 pair)
MS5EP SBL	Full depth end plate for louvered reflector (1 pair)
1B	Ceiling spacer (adjusts 1-1/2" to 2-1/2" from ceiling)
SQ_	Swivel stem hanger (specify length in 2" increments)
MS5ACF_	Adjustable aircraft cable system with power feed (specify length as **36**, **72** or **108** inches)[7,8,9]
MS5AC_	Adjustable aircraft cable system (specify **36**, **72** or **108** inches)[9]



MS5 SBL



MS5 SMR

Availability and Dimensions[10]

Nominal length	Series	Lamps per cross section	Lamps per fixture	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
2'	MS5	1, 2	1, 2	14T5, 24T5HO	4¾ (12.1)	$2^{13}/_{16}$ (7.1)	$22^{7}/_{16}$ (56.9)
3'	MS5	1, 2	1, 2	21T5, 39T5HO	4¾ (12.1)	$2^{13}/_{16}$ (7.1)	34¼ (87)
4'	MS5	1, 2	1, 2	28T5, 54T5HO	4¾ (12.1)	$2^{13}/_{16}$ (7.1)	$46^{1}/_{16}$ (116.9)
8'	MS5	1, 2	2, 4	28T5, 54T5HO	4¾ (12.1)	$2^{13}/_{16}$ (7.1)	$92^{1}/_{16}$ (233.7)

MS5

Intended Use

Use for coves, displays or any application requiring a low-profile luminaire that provides high light levels. Ideal for commercial, retail or manufacturing.

Features

Compact, low-profile design. High fixture performance.

Available in standard or staggered channels. Staggered design includes 4" stagger for uninterrupted continuous illumination.

Extended-height end caps for socket support.

High-gloss baked white enamel or galvanized finish. Heavy-duty 20-gauge channel.

Choice of 1 or 2 lamps in 2', 3', 4' or 8' lengths.

Listings

UL Listed (standard). CSA Certified (see Options).



Ordering Information

Example: **MS5 1 54T5HO MVOLT GEB10PS**

Series	
MS5	Standard channel
MS5SS	Staggered channel

For tandem double-length unit, add prefix **T**.[1] Example: **TMS5**

Number of lamps
1
2

Not included.

Lamp type	
14T5	14W T5 (22")
21T5	21W T5 (34")
24T5HO	24W T5HO (22")
28T5	28W T5 (46")
39T5HO	39W T5HO (34")
54T5HO	54W T5HO (46")

Voltage
MVOLT
347[2]

Options	
GEB10PS	Electronic ballast, program start
GLR	Internal fast blow fuse[3]
GMF	Internal slow blow fuse[3]
EL55	Emergency battery pack (nominal 390-700 lumens)[3,4]
CSA	CSA Certified

See page 113 for others.

NOTES:

1 Only available on 28W and 54W.
2 Available with 54T5HO lamp type only.
3 Specify voltage.
4 Not available in Canada.
5 For other lengths, replace 48 with correct length required; nominal 2'= 24, 3'= 36. Two reflectors required for 8' lengths.

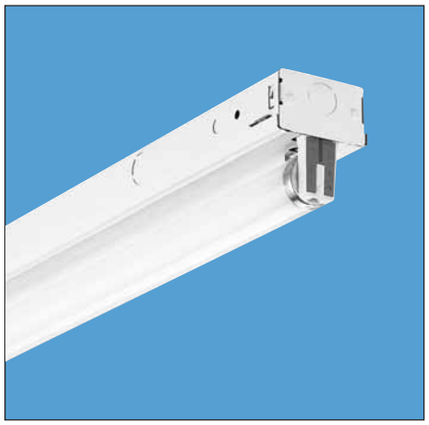
Accessories	(Order separately)
WGMS5Z	Wireguard, 4', zinc
THMS5	Tong hanger (1 pair)
1B	Ceiling spacer (adjusts 1-1/2" to 2-1/2" from ceiling)
SQ__	Swivel stem hanger (specify length in 2" increments)
MS5SSASR 2 48	Asymmetric reflector for staggered, 4', two-lamp configuration[1,5]
MS5SSASR 1 48	Asymmetric reflector for staggered, 4', one-lamp configuration[5]

Availability and Dimensions

Nominal length	Series	Lamps per cross section	Lamps per fixture	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
2'	MS5SS	1, 2	1, 2	14T5, 24T5HO	2 (5.1)	2¼ (5.7)	22½ (57.1), 26½ (67.3)
	MS5	1, 2	1, 2	14T5, 24T5HO	2 (5.1)	2¼ (5.7)	$22^{7}/_{16}$ (56.9)
3'	MS5SS	1, 2	1, 2	21T5, 39T5HO	2 (5.1)	2¼ (5.7)	34¼ (87), 38¼ (97.1)
	MS5	1, 2	1, 2	21T5, 39T5HO	2 (5.1)	2¼ (5.7)	34¼ (87)
4'	MS5SS	1, 2	1, 2	28T5, 54T5HO	2 (5.1)	2¼ (5.7)	$46^{1}/_{16}$ (117), $50^{1}/_{16}$ (127.2)
	MS5	1, 2	1, 2	28T5, 54T5HO	2 (5.1)	2¼ (5.7)	$46^{1}/_{16}$ (117)
8'	MS5SS	1, 2	1, 2	28T5, 54T5HO	2 (5.1)	2¼ (5.7)	$88^{1}/_{16}$ (223.7), $96^{1}/_{16}$ (243.8)
	MS5	1, 2	2, 4	28T5, 54T5HO	2 (5.1)	2¼ (5.7)	$92^{1}/_{16}$ (233.7)

Standard Striplights

S



Intended Use

For applications that require medium illumination levels and narrow construction. Suitable for general or task lighting.

Features

Slim channel for easy handling in unit or row, ceiling or wall-mount applications.

High-gloss, baked enamel finish.

Combination end plate/channel connector furnished.

White or specular reflectors available.

Channel cover retained by quarter-turn fastener.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).

Ordering Information

Example: **S 1 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Voltage	Ballast options	Options
S	**1**	**15** 15W T12 (18")	**MVOLT**	**LPF** Low power factor (for 15W, 20W, 30W only)	**CSA** CSA Certified (347V only)
For tandem double-length unit, add prefix **T**.[1] Example: **TS**	Not included.	**15PH** 15W T12 (18")	**120**	**HPF** High power factor (for 15W, 20W, 30W only)	**NOM** NOM Certified
		17 17W T8 (24")	**277**	**GEB10IS** T8 electronic ballast, instant start	See page 113 for others.
		20 20W T12 (24")	**347**	**GEB10RS** T8 electronic ballast, rapid start	
		20PH 20W T12 (24")			
		25 25W T8 (36")			
		30 30W T12 (36")			
		30PH 30W T12 (36")			
		32 32W T8 (48")			

NOTES:
1 Order two 36" reflectors for 72" fixtures and two 48" reflectors for 96" fixtures.
2 Maximum depth to center of lamps.

Reflector Accessories (Order separately)

Reflector type	Length	Finish
SASR Asymmetric	**24** 24" nominal	(blank) White
SSMR Symmetric	**36** 36" nominal[1]	**SSR** Specular silver, steel
	48 48" nominal[1]	

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Express delivery products.
See page 11 for details about LightQuick XD.

Description
S 1 32 MVOLT GEB10IS

Availability and Dimensions

Nominal length	Series	Lamps per cross section	Lamps per fixture	Lamp type	Width in. (cm)	Depth[2] in. (cm)	Length in. (cm)
1½′	S	1	1	15, 15PH	2¾ (7.0)	2¾ (7.0)	18 (45.7)
2′	S	1	1	17, 20, 20PH	2¾ (7.0)	2¾ (7.0)	24 (61.0)
3′	S	1	1	25, 30	2¾ (7.0)	2¾ (7.0)	36 (91.4)
4′	S	1	1	32	2¾ (7.0)	2¾ (7.0)	48 (121.9)
6′	TS	1	2	25, 30	2¾ (7.0)	2¾ (7.0)	72 (182.9)
8′	TS	1	2	32	2¾ (7.0)	2¾ (7.0)	96 (243.8)

C

Intended Use

For applications that require low to medium illumination levels. Suitable for general purpose applications.

Features

Steel channel (standard) with high-gloss, baked enamel finish.

Optional aluminum channel available – features corrosion-resistant fasteners for use in damp and harsh locations.

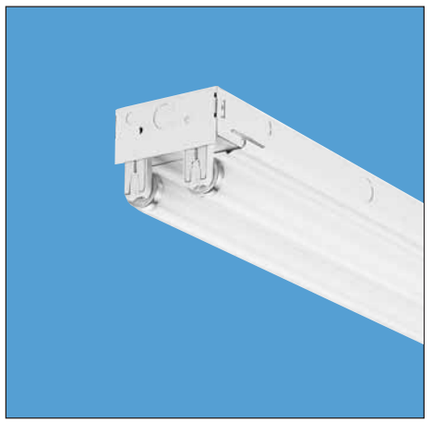
Combination end plates/channel connector furnished for either unit-mounted or continuous-row application.

White or specular reflectors available.

Channel cover retained by quarter-turn fastener.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).



Ordering Information

Example: **C 2 32 MVOLT GEB10IS**

Series

C

For optional aluminum channel, add suffix AL to catalog number. Example C 2 96 120 **AL**. See Options.

For tandem double-length unit, add prefix **T**.[1] Example: **TC**

Number of lamps[1]

1
2

Not included.

Lamp type

17	17W T8 (24")
20	20W T12 (24")
24HO	35W T12 800mA (24")[2]
25	25W T8 (36")
30	30W T12 (36")
32	32W T8 (48")
36HO	45W T12 800mA (36")[2]
48	39W T12 slimline (48")
48HO	60W T12 800mA (48")[2]
72	55W slimline (72")
72HO	85W T12 800mA (72")[2]
96HO	110W T12 800mA (96")[2]
96T8	59W T8 slimline (96")
96T8HO	86W T8 380mA (96")[2]

Voltage

MVOLT
120
277
347

Ballast options

1/4	One 4-lamp ballast
GEB10IS	T8 electronic ballast, instant start
GEB10RS	T8 electronic ballast, rapid start
LPF	Low power factor (for 20W or 30W only)
HPF	High power factor (for 20W or 30W only)

Options

AL	Aluminum body
CSA	CSA Certified (347V only)
NOM	NOM Certified

See page 113 for others.

NOTES:

1 Tandem CF lamp types available in one-lamp only.
2 HO models available with aluminum channel only or steel channel with electronic ballast.
3 Order two 36" reflectors for 72" fixtures and two 48" reflectors for 96" fixtures.
4 Maximum depth to center of lamps.

Reflector Accessories (Order separately)

Reflector type

CASR	Asymmetric
CSMR	Symmetric

Length

24	24" nominal
36	36" nominal[3]
48	48" nominal[3]

Finish

(blank)	White
SSR	Specular silver, steel

Availability and Dimensions

Nominal length	Series	Lamps per cross section	Lamps per fixture	Lamp type	Width in. (cm)	Depth[4] in. (cm)	Length in. (cm)
2′	C/C AL	1, 2	1, 2	17, 20	$4^{3}/_{16}$ (10.6)	$2^{15}/_{16}$ (7.5)	24 (61.0)
	C AL	1, 2	1, 2	24HO	$4^{3}/_{16}$ (10.6)	$3^{15}/_{16}$ (9.6)	24 (61.0)
3′	C/C AL	1, 2	1, 2	25, 30	$4^{3}/_{16}$ (10.6)	$2^{15}/_{16}$ (7.5)	36 (91.4)
	TC AL	1, 2	1, 2	36HO	$4^{3}/_{16}$ (10.6)	$3^{13}/_{16}$ (9.6)	36 (91.4)
4′	C/C AL	1, 2	1, 2	32, 48	$4^{3}/_{16}$ (10.6)	$2^{15}/_{16}$ (7.5)	48 (121.9)
	C AL	1, 2	1, 2	48HO	$4^{3}/_{16}$ (10.6)	$3^{13}/_{16}$ (9.6)	48 (121.9)
6′	TC/TC AL	1	2	25, 30	$4^{3}/_{16}$ (10.6)	$2^{15}/_{16}$ (7.5)	72 (182.9)
	TC/TC AL	2	4	25, 30	$4^{3}/_{16}$ (10.6)	$2^{15}/_{16}$ (7.5)	72 (182.9)
	C/C AL	1, 2	1, 2	72	$4^{3}/_{16}$ (10.6)	$2^{15}/_{16}$ (7.5)	72 (182.9)
	C AL	1, 2	1, 2	72HO	$4^{3}/_{16}$ (10.6)	$3^{13}/_{16}$ (9.6)	72 (182.9)
8′	TC/TC AL	1	2	32	$4^{3}/_{16}$ (10.6)	$2^{15}/_{16}$ (7.5)	96 (243.8)
	TC/TC AL	2	4	32	$4^{3}/_{16}$ (10.6)	$2^{15}/_{16}$ (7.5)	96 (243.8)
	C/C AL	1, 2	1, 2	96T8, 96T8HO	$4^{3}/_{16}$ (10.6)	$2^{15}/_{16}$ (7.5)	96 (243.8)
	C AL	1, 2	1, 2	96HO	$4^{3}/_{16}$ (10.6)	$3^{13}/_{16}$ (9.6)	96 (243.8)

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Description

C 2 32 MVOLT GEB10IS

UNS/UND/ UN



Intended Use

Use for applications requiring high illumination in medium to high mounting heights and a rugged, heavy-duty strip design.

Features

Heavy-duty formed channel with high-gloss, baked enamel finish.

Lampholders secured by screwed-on end plates.

Channel connector furnished for continuous mounting.

Symmetric or asymmetric reflectors available.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).

Ordering Information

Example: **UND 2 96H0 120 ES CW20**

Series	
UNS	1 or 2 lamps, T12 and T8 rapid start and slimline, standard width
UND	1 or 2 lamps, T12 HO or VHO, standard width
UN	3 or 4 lamps, T12 and T8, wide channel
2UN	2 lamps, T12 and T8, wide channel

Number of lamps
1
2
3
4

Lamp type			
17	17W T8 (24")	**48**	38W T12 slimline (48")
20	20W T12 (24")	**48HO**	60W T12 800mA (48")
24	24W T12 slimline (24")	**48VHO**	110W T12 1500mA (48")
24HO	35W T12 800mA (24")	**72**	55W T12 slimline (72")
25	25W T8 (36")	**72HO**	85W T12 800mA (72")
30	30W T12 (36")	**96T8**	96W T8 slimline (96")
32	32W T8 (48")	**96T8HO**	96W T8 T8HO (96")
36	36W T12 slimline (36")	**96HO**	110W T12 800m A (96")
36HO	45W T12 800mA (36")	**96VHO**	210W T12 1500m A (96")

Voltage
MVOLT
120
277
347

Options	
1/3	One 3-lamp ballast
1/4	One 4-lamp ballast
ES	T12 energy-saving ballast
CW20	Cold temperature ballast
GEB10IS	T8 electronic ballast, instant start
GEB10RS	T8 electronic ballast, rapid start
CSA	CSA Certified (347V only)
NOM	NOM Certified

See page 113 for others.

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp type	Width in. (cm)	Depth[1] in. (cm)	Length in. (cm)
UNS	1, 2	1, 2	17, 20, 24	4 3/8 (11.1)	3 (7.6)	24 (69.9)
UND	1, 2	1, 2	24HO	4 3/8 (11.1)	3 11/16 (9.3)	24(69.9)
UN	3, 4	3, 4	17, 20, 24	4 3/8 (11.1)	3¾ (9.5)	24 (69.9)
UNS	1, 2	1, 2	25, 30, 36	4 3/8 (11.1)	3 (7.6)	36 (91.4)
UND	1, 2	1, 2	36HO	4 3/8 (11.1)	3 11/16 (9.3)	36 (91.4)
UN	3, 4	3, 4	25, 36, 36HO	4 3/8 (11.1)	3¾ (9.5)	36 (91.4)
UNS	1, 2	1, 2	32, 48	4 3/8 (11.1)	3 (7.6)	48 (121.9)
UND	1, 2	1, 2	48HO, 48VHO	4 3/8 (11.1)	3 11/16 (9.3)	48 (121.9)
UN	3, 4	3, 4	32, 48, 48HO	9 (22.9)	3¾ (9.5)	48 (121.9)
2UN	2	2	32, 48, 48HO	9 (22.9)	3¾ (9.5)	48 (121.9)
UNS	1, 2	1, 2	72	4 3/8 (11.1)	3 (7.6)	72 (182.9)
UND	1, 2	1, 2	72HO	4 3/8 (11.1)	3 11/16 (9.3)	72 (182.9)
UN	3, 4	3, 4	72,72HO	9 (22.9)	3¾ (9.5)	72 (182.9)
UNS	1, 2	1, 2	96T8HO	4 3/8 (11.1)	3 (7.6)	96 (243.8)
UND	1, 2	1, 2	96HO, 96VHO[1]	4 3/8 (11.1)	3 11/16 (9.3)	96 (243.8)
UN	3, 4	3, 4	96HO, 96T8, 96T8HO	9 (22.9)	3¾ (9.5)	96 (243.8)
2UN	2	2	96HO, 96T8, 96T8HO, 96VHO[1]	4 3/8 (11.1)	3¾ (9.5)	96 (243.8)
TUN	1, 2	2, 4	32	9 (22.9)	3¾ (9.5)	96 (243.8)
TUN	3, 4	6, 8	32	9 (22.9)	3¾ (9.5)	96 (243.8)
T2UN	2	4	32	9 (22.9)	3¾ (9.5)	96 (243.8)
TUNS	1, 2	2, 4	96T8HO	4 3/8 (11.1)	3 (7.6)	192 (487.7)
TUND	1, 2	2, 4	96HO, 96VHO[1]	4 3/8 (11.1)	3 11/16 (9.3)	192 (487.7)
UN	3, 4	3, 4	96HO, 96T8, 96T8HO	9 (22.9)	3¾ (9.5)	192 (487.7)
T2UN	2	4	96HO, 96T8, 96T8HO, 96VHO[1]	9 (22.9)	3¾ (9.5)	192 (487.7)

NOTES:

1 Fixture depth is 4 1/8" (10.5 cm).

RR/CRR/ CRRS



Intended Use

Recessed open (or lensed) row system provides linear illumination for retail and other applications. On CRRS models, lamps are visible from street to attract attention to retail operations.

Features

Channel rests on standard 12" center-to-center T-bar components. T-bar support required along length of fixture or row and across ends.

T-bar clips secure channel to ceiling system.

Bi-pin, slimline or 800mA lamps.

RR units shipped assembled in 2', 3', 4', 6' and 8' lengths for easy installation. End plates included and assembled on fixture.

CRR units provide a continuous row of illumination without interruption by end plates and cross tees.

In row wiring, connection is made through continous channel. Access to ballast is through channel cover (retained by quarter-turn fasteners).

High-gloss, baked white enamel, die-embossed reflector.

CRRS units feature shallow continous reflector design that drops lamp center even with ceiling plane.

Listings

UL Listed (standard). CSA Certified (see Options).

Ordering Information

Example: **CRR 2 96T8 MVOLT GEB**

Series

RR	Recessed row
CRR	Continuous recessed row
CRRS	Continuous recessed row, shallow

For tandem double-length unit, add prefix **T**. Example: **TCRR.**

Number of lamps

1	
2	
3[1]	

Not included.

Lamp type

17	17W T8 (24")
20	20W T12 (24")
24HO	35W 800mA (24")
25	25W T8 (36")
30	30W T12 (36")
32	32W T8 (48")
36HO	45W 800mA (36")
48	38W slimline (48")
48HO	60W 800mA (48")
72	55W slimline (72")
72HO	85W 800mA (72")
96HO	110W 800mA (96")
96T8	59W T8 slimline (96")

Diffuser type

(blank)	Open channel
A12	#12 pattern acrylic diffuser (RR and CRR only)

Voltage

MVOLT	
347	

Options

1/4	One 4-lamp ballast
GEB	Electronic ballast, ≤20% THD (F96 T8 only)[3]
GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10PS	T8 electronic ballast, ≤10% THD, rapid start
CSA	CSA Certified

See page 113 for others.

Availability and Dimensions

Nominal length	Series	Lamps per cross section	Lamps per fixture	Lamp type	Depth in.(cm)	Length in.(cm)
2'	RR/CRR	1, 2, 3[1]	1, 2, 3	17, 20	5 13/16 (14.8)	24 (61.0)
	RR/CRR	1, 2	1, 2	24HO	6 1/8 (15.6)	24 (61.0)
	CRRS	1, 2	1, 2	24HO	5 13/16 (14.8)	24 (61.0)
3'	RR/CRR	1, 2, 3[1]	1, 2, 3	25, 30	5 13/16 (14.8)	36 (91.4)
	RR/CRR	1, 2	1, 2	36HO	6 1/8 (15.6)	36 (91.4)
	CRRS	1, 2	1, 2	36HO	5 13/16 (14.8)	36 (91.4)
4'	RR/CRR	1, 2, 3[1]	1, 2, 3	32, 48	5 13/16 (14.8)	48 (121.9)
	RR/CRR	1, 2	1, 2	48HO	6 1/8 (15.6)	48 (121.9)
	CRRS	1, 2	1, 2	48HO	5 13/16 (14.8)	48 (121.9)
6'	TRR/TCRR	1, 2, 3[1]	2, 4, 6	25, 30	5 13/16 (14.8)	72 (182.9)
	RR/CRR	1, 2	1, 2	72	5 13/16 (14.8)	72 (182.9)
	RR/CRR	1, 2	1, 2	72HO	6 1/8 (15.6)	72 (182.9)
	CRRS	1, 2	1, 2	72HO	5 13/16 (14.8)	72 (182.9)
8'	TRR/TCRR	1, 2, 3[1]	2, 4, 6	32	5 13/16 (14.8)	96 (243.8)
	RR/CRR	1, 2	1, 2	96T8	5 13/16 (14.8)	96 (243.8)
	RR/CRR	1, 2	1, 2	96HO	6 1/8 (15.6)	96 (243.8)
	CRRS	1, 2	1, 2	96HO	5 13/16 (14.8)	96 (243.8)
16'	TRR/TCRR	1, 2	2, 4	96T8	5 13/16 (14.8)	192 (487.7)[2]
	TRR/TCRR	1, 2	2, 4	96HO	6 1/8 (15.6)	192 (487.7)[2]
	TCRRS	1, 2	2, 4	96HO	5 13/16 (14.8)	192 (487.7)[2]

Accessories (Order separately)

CRREP End plates flanged to support ceiling tile (pair). Order one pair per row. Required on all CRR and CRRS installations.

NOTES:

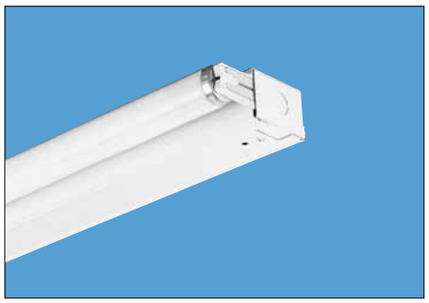
1 3-lamp models are T8 only.

2 Fixture is shipped in two 96" cartons, tandem-wired using quick-connect plugs (installed).

3 Specify voltage.

Side-Mounted Strips

SM



Intended Use

Ideal for displays or any application with limited space.

Features

Low-profile body and side-mounted lamps permit installation in shallow spaces and provide good illumination.

High-gloss, baked enamel finish.

Channel cover secured by quarter-turn fasteners for easy access.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).

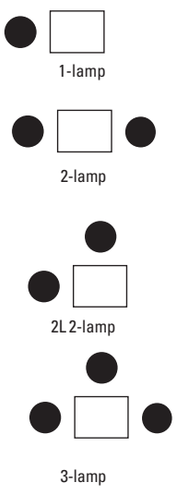
Ordering Information

Example: **SM 2 32 MVOLT ES**

Series	Number of lamps	Lamp type	Voltage	Ballast options	Options
SM	**1**	**15** 15W T12 (18")	**MVOLT**	**LPF** Low power factor (for 15W, 20W, 30W)	**1/3** One 3-lamp ballast
For tandem double-length unit, add prefix **T**.	**2**	**15PH** 15W T12 preheat (18")	**347**	**HPF** High power factor (for 15W, 20W, 30W)	**1/4** One 4-lamp ballast
Example: **TSM**	**2L**[1]	**17** 17W T8 (24")		**ES** Energy-saving ballast	**GEB10IS** T8 electronic ballast, instant start
	3	**20** 20W T12 (24")			**GEB10RS** T8 electronic ballast, rapid start
	Not included.	**20PH** 20W T12 preheat (24")			**CSA** CSA Certified (347V only)
		25 25W T8 (36")			**NOM** NOM Certified
		30 30W T12 (36")			See page 113 for others.
		30PH 30W T12 preheat (36")			
		32 32W T8 (48")			

NOTES:
1 L lamp configuration, see below.
2 Maximum depth to center of lamps.

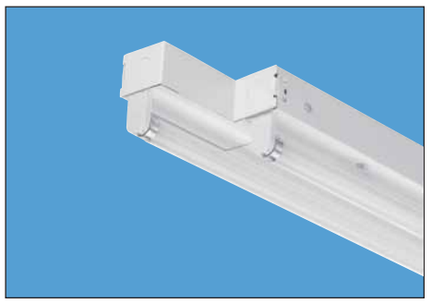
Lamp Configurations



Availability and Dimensions

Nominal length	Series	Lamps per cross section	Lamps per fixture	Lamp type	Width in. (cm)	Depth[2] in. (cm)	Length in. (cm)
1½′	SM	1	1	15, 15PH	4½ (11.4)	1 11/16 (4.3)	18 (45.7)
		2	2	15, 15PH	6¼ (15.9)	1 11/16 (4.3)	18 (45.7)
		2L	2	15, 15PH	4½ (11.4)	3 (7.6)	18 (45.7)
2′	SM	1	1	17, 20, 20PH	4½ (11.4)	1 11/16 (4.3)	24 (61.0)
		2	2	17, 20, 20PH	6¼ (15.9)	1 11/16 (4.3)	24 (61.0)
		2L	2	17, 20, 20PH	4½ (11.4)	3 (7.6)	24 (61.0)
3′	SM	3	3	25, 30, 30PH	6¼ (15.9)	3 (7.6)	36 (91.4)
		1	1	25, 30, 30PH	4½ (11.4)	1 11/16 (4.3)	36 (91.4)
		2	2	25, 30, 30PH	6¼ (15.9)	1 11/16 (4.3)	36 (91.4)
		2L	2	25, 30, 30PH	4½ (11.4)	3 (7.6)	36 (91.4)
		3	3	25, 30, 30PH	6¼ (15.9)	3 (7.6)	36 (91.4)
4′	SM	1	1	32	4½ (11.4)	1 11/16 (4.3)	48 (121.9)
		2	2	32	6¼ (15.9)	1 11/16 (4.3)	48 (121.9)
		2L	2	32	4½ (11.4)	3 (7.6)	48 (121.9)
		3	3	32	6¼ (15.9)	3 (7.6)	48 (121.9)
8′	TSM	1	2	32	4½ (11.4)	1 11/16 (4.3)	96 (243.8)
		2	4	32	6¼ (15.9)	1 11/16 (4.3)	96 (243.8)
		2L	4	32	4½ (11.4)	3 (7.6)	96 (243.8)
		3	6	32	6¼ (15.9)	3 (7.6)	96 (243.8)

SS/SST



Intended Use

Use for applications requiring uninterrupted illumination levels such as coves or displays.

Features

Channel is offset at both ends to accept adjoining fixtures in row applications.

Channel connectors furnished.

Lamps in adjacent fixtures overlap 4″ to provide a continuous illumination.

High-gloss, baked-enamel finish.

Telescoping version provides even continuous environment without shadows.

Optional aluminum fixtures feature corrosion-resistant fasteners for use in damp and harsh locations.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **SS 2 32 MVOLT GEB10IS**

Series

SS	Standard
SST	Telescoping

For optional aluminum channel, add suffix **AL** to catalog number. Example: SS296120**AL**

For tandem-wired double length unit, add prefix **T**. Example: **TSS**

Number of lamps

1	
2	

Not included.

Lamp type

17	17W T8 (24")
25	25W T8 (36")
32	32W T8 (48")
96HO	110W T12 800mA (96")
96T8	59W T8 (96")
96T8HO	86W T8 380mA (96")

Voltage

347	
MVOLT	

Others available.

Options

1/4	One 4-lamp ballast
GEB10IS	T8 electronic ballast, instant start
GEB10RS	T8 electronic ballast, rapid start
AL	Aluminum
CSA	CSA Certified
NOM	NOM Certified

See page 113 for others.

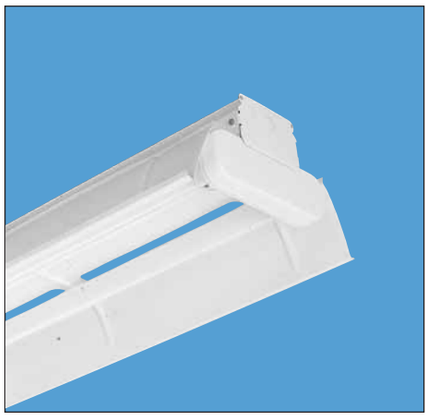
Availability and Dimensions

Nominal length	Series	Lamps per cross section	Lamps per fixture	Lamp type	Width in. (cm)	Depth[1] in. (cm)	Length in. (cm)
2′	SS/ SS AL	1	1	17	4 3/16 (10.6)	2 15/16 (7.5)	24 (61.0)
	SS/ SS AL	2	2	17	4 3/16 (10.6)	2 15/16 (7.5)	28 (71.1)
	SST	2	2	17, 20	4 3/4 (11.1)	2 15/16 (7.5)	28 (71.1)
3′	SS/ SS AL	1	1	25	4 3/16 (10.6)	2 15/16 (7.5)	36 (91.4)
	SS/ SS AL	2	2	25	4 3/16 (10.6)	2 15/16 (7.5)	40 (101.6)
	SST	2	2	25, 30	4 3/4 (11.1)	2 15/16 (7.5)	40 (101.6)
4′	SS/ SS AL	1	1	32	4 3/16 (10.6)	2 15/16 (7.5)	48 (121.9)
	SS/ SS AL	2	2	32	4 3/16 (10.6)	2 15/16 (7.5)	52 (132.1)
	SST	2	2	32	4 3/4 (11.1)	2 15/16 (7.5)	52 (132.1)
8′	TSS/ TSS AL	1	2	32	4 3/16 (10.6)	2 15/16 (7.5)	92 (233.7)
	TSS/ TSS AL	2	4	32	4 3/16 (10.6)	2 15/16 (7.5)	100 (254.0)
	SS/ SS AL	1	1	96T8HO, 96T8	4 3/16 (10.6)	2 15/16 (7.5)	96 (243.8)
	SS/ SS AL	2	2	96T8HO, 96T8	4 3/16 (10.6)	2 15/16 (7.5)	100 (254.0)
	SS/ SS AL	1	1	96HO	4 3/16 (10.6)	3 13/16 (9.7)	96 (243.8)
	SS/ SS AL	2	2	96HO	4 3/16 (10.6)	3 13/16 (9.7)	100 (254.0)

NOTES:
1 Maximum depth to center of lamps.

Heavy-Duty Turret Industrials

AF



Intended Use

For mounting heights up to 25' that require high light levels. Ideal for medium to heavy-duty manufacturing areas, warehousing, storage or task lighting.

Features

Solid-top, 10% uplight or 20% uplight reflector is die-embossed, constructed of heavy-gauge cold rolled steel and painted after fabrication. Baked white enamel finish standard, porcelain available. Pressure-lock lampholders enclosed in a snap-in turret housing.

Available in 4' or 8' tandem wired lengths. Full depth end plates available (order separately, one per fixture or row). Accepts plug-in option for 1, 2 or 3 primary circuits.

Ballast – Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast standard. Sound rating depends on lamp/ballast combination.

Wiring & Electrical – AWM, TFN and THHN wire used throughout, rated for required temperatures.

Mounting – For unit or row installations, surface or suspended mounting.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).

Ordering Information

Example: **AF 2 32 MVOLT GEB10IS**

Series

AF	20% uplight
AF10	10% uplight
AFST	Solid reflector

For tandem double-length unit, add prefix **T**. Example: **TAF**

Number of lamps

1
2
3
4

Not included.

Lamp type

32	32W T8 (48")
48	38W Slimline (48")
48HO	60W 800mA (48")
48T8HO	44W T8 (48")
48PG	110W 1500mA (48")
96HO	110W 800mA (96")
96PG	215W 1500mA (96")
96T8	59W T8 Slimline (96")
96T8HO	86W T8 380mA (96")

Voltage

MVOLT
347

Options/Accessories[1]

1/3	One 3-lamp ballast
1/4	One 4-lamp ballast
GEB	Electronic ballast (F96T8 + F96T8110)
GEB10IS	T8 electronic ballast, instant start
GEB10RS	T8 electronic ballast, rapid start
PO	White porcelain reflector finish
ACEP	Full-depth end plates (1 pair)[1]
DLAF ME	30°x30° metal eggcrate louver, 48" long[1]
DLAF A12	Framed acrylic prismatic lens, #12[1]
CSA	CSA Certified (347V only)
NOM	NOM Certified

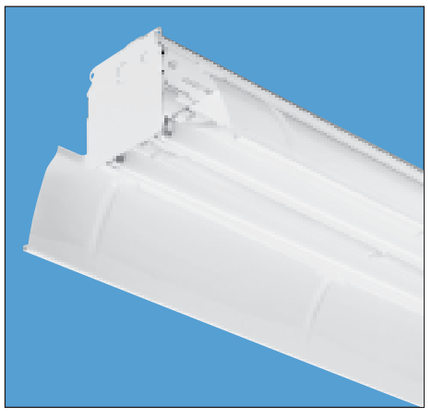
See page 113 for others.

NOTES:
1 Order accessories as separate catalog numbers.
2 For detailed mounting information, consult the product specification sheets.
3 PG fixture not available with 4 lamps.

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp type	Width[2] in. (cm)	Depth[2] in. (cm)	Length[2] in. (cm)
AF, AF10, AFST	1, 2, 3, 4	1, 2, 3, 4	32	13 3/8 (33.4)	6 5/8 (15.8)	49 13/16 (126.5)
AF, AF10, AFST	2, 3, 4	2, 3, 4	48, 48HO	13 3/8 (33.4)	6 5/8 (15.8)	48 (121.9)
			48PG[3], 48HO	13 3/8 (33.4)	6 5/8 (15.8)	48 (121.9)
TAF, TAF10, TAFST	1, 2, 3, 4	2, 4, 6, 8	32	13 3/8 (33.4)	6 5/8 (15.8)	99 19/32 (253.2)
			48, 48HO, 48PG[3]	13 3/8 (33.4)	6 5/8 (15.8)	96 (243.8)
AF, AF10, AFST	1, 2, 3, 4	1, 2, 3, 4	96T8, 96HO	13 3/8 (33.4)	6 5/8 (15.8)	96 (243.8)
			96T8HO, 96PG[3]	13 3/8 (33.4)	6 5/8 (15.8)	96 (243.8)

AFP



Intended Use

For mounting heights up to 25′ that require high light levels. Ideal for medium to heavy-duty areas, manufacturing, warehousing, storage or task lighting.

Features

Solid-top or 10% uplight reflector is die-embossed, constructed of heavy-gauge cold rolled steel and painted after fabrication. Baked white enamel finish standard, porcelain available. Pressure-lock lampholders enclosed in a snap-in turret housing.

Available in 4′ or 8′ tandem wired lengths. Full depth end plates available (order separately, one per fixture or row). Accepts plug-in option for 1, 2 or 3 primary circuits.

Ballast – Thermally-protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast standard. Sound rating depends on lamp/ballast combination.

Wiring & Electrical – AWM, TFN and THHN wire used throughout, rated for required temperatures.

Mounting – For unit or row installations, surface or suspended mounting.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).

Ordering Information

Example: **AFP 2 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Voltage	Options/Accessories[1]
AFP 10% uplight	**1**	**28T5** 28W T5 (46")	**MVOLT**	**1/3** One 3-lamp ballast
AFPST Solid reflector	**2**	**32** 32W T8 (48")	**347**	**1/4** One 4-lamp ballast
For tandem double-length unit, add prefix **T**. Example: **TAF**	**3**	**54T5HO** 54W T5HO (46")		**GEB10IS** T8 electronic ballast, instant start
	Not included.			**GEB10RS** T8 electronic ballast, rapid start
				GEB10PS T5 electronic ballast, program start
				ACEP Full-depth endplates (1 pair)[1]
				DLAF ME 30°x30° metal eggcrate louver, 48" long[1]
				DLAF A12 Framed acrylic prismatic lens, #12 pattern, 48" long[1]
				PO White porcelain reflector finish
				CSA CSA Certified (347V only)
				NOM NOM Certified

See page 113 for others.

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp type	Width[2] in. (cm)	Depth[2] in. (cm)	Length[2] in. (cm)
AFP, AFPST	1, 2, 3	1, 2, 3	28T5, 32, 54T5HO	13 3/8 (33.4)	6 5/8 (15.8)	49 13/16 (126.5)
TAFP, TAFPST	1, 2, 3	2, 4, 6	28T5, 32, 54T5HO	13 3/8 (33.4)	6 5/8 (15.8)	99 19/32 (253.2)

NOTES:
1 Order accessories as separate catalog numbers.
2 For detailed mounting information, consult the product specification sheets.

EJS/EJD/EJ



Intended Use

For mounting heights up to 20' requiring low to medium light levels. Ideal for light-duty task lighting, aisles, warehousing, storage and retail.

Features

Solid top reflector or uplight is available. Premium-gauge channel features gripper-back design for strength and rigidity. Extra-wide channel and reflector on 3 and 4 light fixtures. Sturdy combination reflector and channel cover secured by quarter-turn latch for easy access to wire-way.

Screw-on endplates. Available in tandem wiring lengths. Accepts plug-in options for 1, 2 or 3 primary circuits. High-gloss, baked enamel finish reflector painted after fabrication. (Optional finishes available.)

Ballast – Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.

Wiring & Electrical – AWM, TFN or THHN wire used throughout, rated for required temperatures.

Mounting – For unit or row installations, surface or suspended mounting.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).

Ordering Information

Example: **EJ 2 32 MVOLT GEB10IS**

Series

EJS	1 or 2 lamps, solid top,T12 and T8, rapid start and slimline, standard width
EJSA	1 or 2 lamps, uplight, T12 and T8, rapid start and slimline, standard width
EJD	1 or 2 lamps, solid top,T12 HO and VHO, rapid start and slimline, standard width
EJDA	1 or 2 lamps, uplight, T12 HO and VHO, rapid start and slimline, standard width
EJ	3 or 4 lamps, solid top, T12 and T8, wide channel
EJA	3 or 4 lamps, uplight, T12 and T8, wide channel
2EJ	2 lamps, solid top, T12 and T8, wide channel
2EJA	2 lamps, uplight, T12 and T8, wide channel

Number of lamps

1
2
3
4

Not included.

Lamp type

17	17W T8 (24")
20	20W T12(24")
24	24W T12 slimline (24")
24HO	35W T12 800mA (24")
25	25W T8 (36")
30	30W T12 (36")
32	32W T8 (48")
36	36W T12 slimline (36")
36HO	45W 800mA (36")
48	38W T12 slimline (48")
48HO	60W T12 800mA (48")
48VHO	110W T12 1500mA (48")
54T5HO	54W T5 HO (46")
72	55W T12 slimline (72")
72HO	85W T12 800mA (72")
96T8	96W T8 slimline (96")
96T8HO	86W T8 T8HO (96")
96HO	110W T12 800mA (96")
96VHO	215W T12 1500mA (96")

Options / Accessories

1/3	One 3-lamp ballast
1/4	One 4-lamp ballast
ES	T12 energy-saving ballast
CW	Cold temperature ballast (T12HO only)
GEB	T8 electronic ballast, ≤20% THD, instant start
GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
CSA	CSA Certified (347V only)
NOM	NOM Certified

See page 113 for others.

Voltage

MVOLT
120
277
347

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp type	Width[1] in. (cm)	Depth[1] in. (cm)	Length[1] in. (cm)
EJS, EJSA	1, 2	1, 2	17, 20, 24	12 (30.5)	4¼(10.8)	24 (69.9)
EJD, EJDA	1, 2	1, 2	24HO	12 (30.5)	4 15/16(12.5)	24 (69.9)
EJ	3, 4	3, 4	17, 20, 24	12 (30.5)	5¼ (13.3)	24 (69.9)
EJS, EJSA	1, 2	1, 2	25, 36, 36	12 (30.5)	4¼(10.8)	36 (91.4)
EJD, EJDA	1, 2	1, 2	36HO	12 (30.5)	4 15/16(12.5)	36 (91.4)
EJ	3, 4	3, 4	25, 36, 36HO	12 (30.5)	5¼ (13.3)	36 (91.4)
EJS, EJSA	1,2	1,2	32,40,48,48T8HO,54T5HO	12 (30.5)	4¼(10.8)	48 (121.9)
EJD, EJDA	1,2	1,2	48HO, 48VHO[1]	12 (30.5)	4 15/16(12.5)	48 (121.9)
EJ	3, 4	3, 4	32,48,48HO	16 (40.6)	5¼ (13.3)	48 (121.9)
2EJ	2	2	32,48,48HO	16 (40.6)	5¼ (13.3)	48 (121.9)
EJS, EJSA	1, 2	1, 2	72, 72T8HO	12 (30.5)	4¼(10.8)	72 (182.9)
EJD, EJDA	1, 2	1, 2	72HO	12 (30.5)	4 15/16(12.5)	72 (182.9)
EJ	3, 4	3, 4	72, 72HO	16 (40.6)	5¼ (13.3)	72 (182.9)
EJS, EJSA	1, 2	1, 2	96HOT8	12 (30.5)	4¼(10.8)	96 (243.8)
EJD/EJDA	1, 2	1, 2	96HO, 96VHO[1]	12 (30.5)	4 15/16(12.5)	96 (243.8)
EJ	3, 4	3, 4	96HO, 96T8VHO, 96T8VHO	16 (40.6)	5¼ (13.3)	96 (243.8)
2EJ	2	2	96HO, 96T8VHO, 96T8VHO, 96VHO[1]	12 (30.5)	5¼ (13.3)	96 (243.8)
TEJ	1, 2	2,4	32	16 (40.6)	5¼ (13.3)	96 (243.8)
TEJ	3, 4	6,8	32	16 (40.6)	5¼ (13.3)	96 (243.8)
T2EJ	2	4	32	16 (40.6)	5¼ (13.3)	96 (243.8)
TEJS, TEJSA	1, 2	2,4	96T8, 96T8HO	12 (30.5)	4¼(10.8)	192 (487.7)
TEJD/TEJDS	1, 2	2,4	96HO, 96VHO[1]	12 (30.5)	4 15/16(12.5)	192 (487.7)
EJ	3, 4	3, 4	96HO, 96T8, 96T8VHO	16 (40.6)	5¼ (13.3)	192 (487.7)
T2EJ	2	4	96HO, 96T8, 96T8HO, 96VHO[1]	16 (40.6)	5¼ (13.3)	192 (487.7)

NOTES:
1 Fixtures not available with 4 lamps.

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
EJD 2 96HO 120 ES CW20

L
LA

Intended Use

For mounting heights up to 16' requiring low to medium light levels. Ideal for light-duty areas, utility, storage rooms or retail.

Features

Solid top reflector or 8% uplight is available. Sturdy combination reflector and channel cover secured by captive quarter-turn latch for easy access to wireway. Combination endplate/channel connector supplied with each fixture. High-gloss backed white enamel finish. Reflector is painted after fabrication. Available in tandem wired lengths. Accepts plug-ins for 1, 2 or 3 primary circuits.

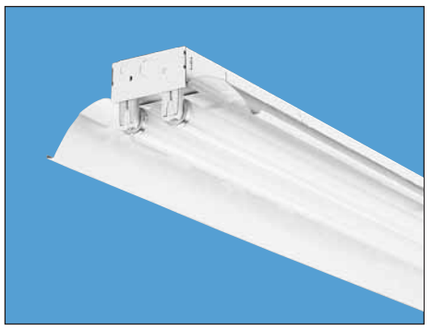
Ballast – Thermally-protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.

Wiring & Electrical – AWM, TFN or THHN wire used throughout, rated for required temperatures.

Mounting – For unit or row installations, surface or suspended mounting.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options).



Ordering Information

Example: **L 2 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Voltage	Options/accessories
L Solid reflector	**1**	**17** 17W T8 (24")	**MVOLT**	**1/4** One 4-lamp ballast
LA 8% uplight	**2**	**20** 20W T12 (24")[1]	**347**	**GEB10IS** T8 electronic ballast, instant start
For tandem double-length unit, add prefix **T**. Example: **TL**	Not included.	**32** 32W T8 (48")		**GEB10RS** T8 electronic ballast, rapid start
		48 38W slimline (48")		**CSA** CSA Certified (347V only)
		48T8HO 44W T8 (48")		**NOM** NOM Certified
		96T8 59W T8 slimline (96")		See page 113 for others.
		96T8HO 86W T8 380mA (96")		

NOTES:
1 Specify ballast option HPF or LPF for 20W.
2 For detailed mounting information consult the product specification sheets.

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp type	Width[2] in.(cm)	Depth[2] in.(cm)	Length[2] in.(cm)
L, LA	1	1	17, 20[1]	12 (30.5)	4 (10.2)	24 (61.0)
	2	2	17, 20[1]	12 (30.5)	4 (10.2)	24 (61.0)
L, LA	1	1	32, 48	12 (30.5)	4 (10.2)	48 (121.9)
	2	2	32, 48, 48T8HO	12 (30.5)	4 (10.2)	48 (121.9)
TL, TLA	1	2	32, 48, 48T8HO	12 (30.5)	4 (10.2)	96 (243.8)
	2	4	32, 48	12 (30.5)	4 (10.2)	96 (243.8)
L, LA	1	1	96T8, 96T8HO	12 (30.5)	4 (10.2)	96 (243.8)
	2	2	96T8, 96T8HO	12 (30.5)	4 (10.2)	96 (243.8)

Heavy-Duty Parabolic Industrials

PV

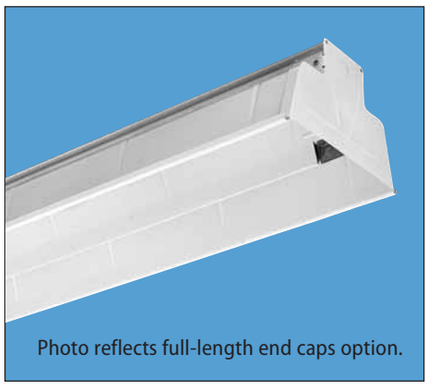


Photo reflects full-length end caps option.

Intended Use

For mounting heights up to 25' requiring low to high light levels and excellent glare control. Ideal for manufacturing assembly lines, inspection areas and warehousing.

Features

Heavy-duty formed channel with parabolic, deep die-embossed reflector with high-gloss baked enamel finish. Porcelain finish optional.

Center "V" provides 30° crosswise shielding to minimize glare. 20% uplight standard.

Full-depth endplates required. Order separately, one pair per fixture or row.

Reflector aligners and channel connector furnished for continuous-row mounting.

Spring-loaded sockets securely hold lamps in rough-duty applications.

Ballast – Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.

Wiring & Electrical – AWM, TFN or THHN wire used throughout, rated for required temperatures.

Mounting – For unit or row installations, surface or suspended mounting. Order endplates separately, one per fixture or row.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). Suitable for damp locations.

Ordering Information

Example: **PV 2 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Voltage	Options/Accessories[1]
PV	**2**	**28T5** 28W T5 (46")	**MVOLT**	**GEB** Electronic ballast (F96T8 or F96T8HO only)
For tandem double-length unit, add prefix **T**. Example: **TPV**	Not included.	**32** 32W T8 (48")	**347**	**GEB10IS** T8 electronic ballast, instant start
		48 38W Slimline (48")		**GEB10RS** T8 electronic ballast, rapid start
		48HO 60W 800mA (48")		**GEB10PS** T5 electronic ballast, program start
		48T8HO 44W T8 (48")		**PO** White porcelain reflector finish
		48PG 110W 1500mA (48")		**PCEP** Full-depth end plates (1 pair) required. Use one pair per fixture for single unit installations or one pair per row.[1]
		54T5HO 54W T5 HO (46")		**CSA** CSA Certified
		96HO 110W 800mA (96")		**NOM** NOM Certified
		96PG 215W 1500mA (96")		
		96T8 59W T8 Slimline (96")		
		96T8HO 86W T8 380mA (96")		

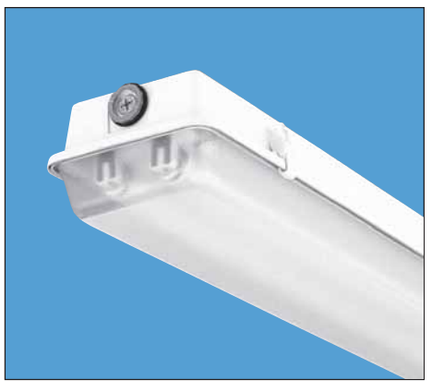
See page 113 for others.

NOTES:
1 Order accessories as separate catalog numbers.
2 For detailed mounting information consult the product specification sheets.

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp type	Width[2] in. (cm)	Depth[2] in. (cm)	Length[2] in. (cm)
PV	2	2	28T5, 32, 54T5HO	13 3/8 (33.4)	6 5/8 (15.8)	49 13/16 (126.5)
TPV		4	28T5, 32, 54T5HO	13 3/8 (33.4)	6 5/8 (15.8)	99 19/32 (253.2)
PV	2	2	48, 48HO, 48T8HO, 48PG	13 3/8 (33.4)	6 5/8 (15.8)	48 (121.9)
TPV	2	4	28T5, 48, 48HO, 48T8HO, 48PG, 54T5HO	13 3/8 (33.4)	6 5/8 (15.8)	96 (243.8)
PV	2	2	96, 96HO, 96PG, 96T8, 96T8HO	13 3/8 (33.4)	6 5/8 (15.8)	96 (243.8)

DM
DMW



Intended Use

For low to medium mounting heights and harsh environments where dust, dirt, humidity or moisture is present. Ideal for canopies, shipping docks, refrigerated areas, food processing and other non-hazardous environments.

Features

Impact-resistant, UV-stabilized, reinforced polyester fiberglass housing. Shatter-resistant 15% DR acrylic diffuser standard, high impact 50% DR available. Poured-in gasketing provides a continuous seal between housing and diffuser. Captive, corrosion-resistant, cam-action latches secure the diffuser. Stainless steel (STSL) latches also are available.

Ballast – Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.

Wiring and Electrical – AWM, TFN or THHN wire used throughout, rated for required temperatures.

Mounting – For unit or row installations, surface (ceiling or wall) or suspended mounting.

Listings

120V, 277V and MVOLT are UL Listed and CSA Certified (standard). See Options for 347V and NOM Certified. DM is damp location, DMW is wet location listed for covered ceiling applications.

Ordering Information

Example: **DM 2 32 MVOLT GEB10IS**

Series	
DM	Damp location
DMW	Wet location

For tandem double-length unit, add prefix **T**. Example: **TDM**

Number of lamps
1
2
3 [1]

Not included.

Lamp type	
32	32W T8 (48")
48	38W slimline (48")[2]
48HO	60W 800mA (48")[2]
96HO	110W 800mA (96")[2]
96T8	59W T8 slimline (96")
96T8HO	86W T8 380mA (96")

Diffuser type	
(blank)	Acrylic, 15% DR
AR	High-impact acrylic, 50% DR
DP	Deep acrylic, 15% DR[3]
ARDP	Deep high-impact acrylic, 50% DR[3]

Voltage
MVOLT
120
277
347

Options/Accessories[3,4]	
1/3	One 3-lamp ballast
1/4	One 4-lamp ballast
GEB10IS	T8 electronic ballast, instant start
GEB10RS	T8 electronic ballast, rapid start
BCD	Mounting bracket to chainhang DM/DMW (2 per package, excludes chain)[4]
HC	Wire hook and 36" chain set (2 per package)[4]
WLF	Field-installable wet location fittings to stem-hang DMW on ½" rigid conduit (2 per package). For factory-installed fittings on top, order WLF as an option.
CSA	CSA Certified (347V only)
NOM	NOM Certified

See page 113 for others.

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
DM, DMW	1, 2, 3[1]	1, 2, 3	32	7⅝ (18.4)	4¾ (9.5)	50 (127.0)
DM, DMW	1, 2	1,2	48, 48HO, 48T8HO	7⅝ (18.4)	5⅜ (13.3)	50 (127.0)
DM, DMW (DP or ARDP)	1, 2, 3[1]	1, 2, 3	32	7⅝ (18.4)	5⅜ (13.3)	50 (127.0)
TDM, TDMW	1, 2	2, 4	32, 48, 48HO, 48T8HO	7⅝ (18.4)	5⅜ (13.3)	98 (248.9)
DM, DMW	1, 2	1, 2	96HO, 96T8, 96T8HO	7⅝ (18.4)	5⅜ (13.3)	98 (248.9)

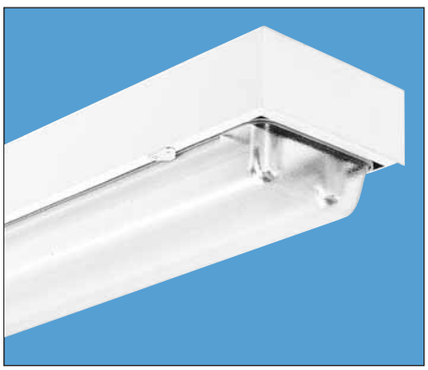
NOTES:
1 3-lamp models only available with T8 lamp source.
2 Specify voltage.
3 Deep lens is standard on 4' slimline, HO (800mA) and 8' fixtures. To match deep appearance on 4' rapid start, order **DP** or **ARDP** option.
4 Order accessories as separate catalog number.

lightquick® XD
Express delivery products.
See page 11 for details about LightQuick XD.

Description
DMW 2 32 MVOLT GEB10IS

Enclosed Steel Housing

DMS
DMSW



Intended Use

For low to medium mounting heights and harsh environments where dust, dirt, humidity or moisture is present. Ideal for canopies, shipping docks, refrigerated areas, food processing and other non-hazardous environments.

Features

Fully gasketed, totally enclosed fixture is available in heavy-duty steel or aluminum housing (AL option) with a baked white enamel finish. A shatter-resistant 15% DR acrylic diffuser (50% DR available) is secured by captive, corrosion-resistant pivot latches.

Ballast – Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.

Wiring and Electrical – AWM, TFN or THHN wire used throughout, rated for required temperatures.

Mounting – For unit or row installations, surface or suspended mounting. Wet location DMSW available for covered ceiling mount only.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). Suitable for damp locations. DMSW is listed for wet locations covered ceiling applications.

Ordering Information

Example: **DMS 2 32 MVOLT GEB10IS**

Series
DMS Damp location
DMSW Wet location
For tandem double-length unit, add prefix **T**. Example: **TDMS**

Number of lamps
1
2
3[1]
Not included.

Lamp type
32 32W T8 (48")
48 38W slimline (48")
48HO 60W 800mA (48")
48T8HO 44W T8 (48")
96HO 110W 800mA (96")
96T8 59W T8 slimline (96")
96T8HO 86W T8 380mA (96")

Diffuser type
(blank) Acrylic, 15% DR
AR High-impact acrylic, 50% DR
DP Deep acrylic, 15% DR[2]
ARDP High-impact deep acrylic, 50 DR[2]

Voltage
MVOLT
347

Options/accessories
GEB10IS T8 electronic ballast, instant start
GEB10RS T8 electronic ballast, rapid start
AL Aluminum housing
WLF Field-installable wet location fittings to stem-hang DMS on ½" rigid conduit (2 per package). For factory-installed fittings on top, order WLF as an option.
CSA CSA Certified
NOM NOM Certified
See page 113 for others.

NOTES:
1 3-lamp models only available with T8 lamp source.
2 Deep lens is standard on 4' slimline, HO (800mA) and 8' fixtures. To match deep appearance on 4' rapid start, order **DP** or **ARDP** option.

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
DMS, DMSW	1, 2, 3[1]	1, 2, 3	32, 48, 48HO, 48T8HO	8 5/8 (20.9)	5¼ (13.3) 6 1/8 (15.3)	50 5/16 (129.4) 50 5/16 (129.4)
DMS, DMSW (DP or ARDP)	1, 2, 3[1]	1, 2, 3	32, 48, 48HO, 48T8HO	8 5/8 (20.9)	6 1/8 (15.3)	50 5/16 (129.4)
TDMS, TDMSW	1, 2, 3[1]	2, 4, 6	32, 48, 48HO, 48T8HO	8 5/8 (20.9)	6 1/8 (15.3)	98 5/16 (251.3)
DMS, DMSW	1, 2	1, 2	96HO, 96T8, 96T8HO	8 5/8 (20.9)	6 1/8 (15.3)	98 5/16 (251.3)

EIS
EFS

Tough Task™

Intended Use

Intended for demanding areas such as dust or hosedown (EIS) and food processing (EFS) applications. Applications include EIS – docks, marine environments, heavy industrials and other non-hazardous environments; EFS – food/beverage processing, cosmetics and pharmaceuticals.

Features

Fully gasketed, totally enclosed fixture formed of heavy-duty aluminum construction. Fully seam-welded construction. A wide variety of finishes available.

Clear prismatic, injection-molded high strength acrylic diffuser (polycarbonate optional). Diffuser retained to housing with stainless steel fasteners.

Available in standard (2- or 3-lamp) or narrow (1 lamp) channel with your choice of T5 or T8 lamps.

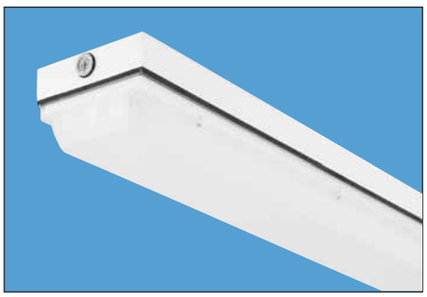
For unit or row installation, surface (ceiling or wall) or suspended.

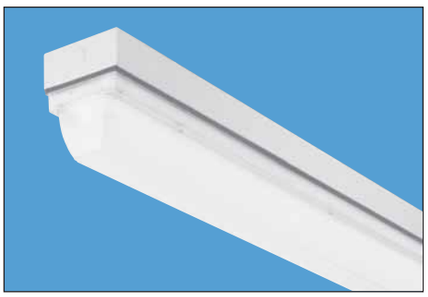
Listing

UL Listed to US and Canadian safety standards. See Options for 347V.

EIS – IP65 rated for protection against the ingress of water and contaminants.

EFS – IP65 rated for the protection against the ingress of water and contaminants. Complies with FDA/USDA guidelines and is Food Zone Non-Contact certified.





Ordering Information

Example: **EIS 2 32 MVOLT GEB10IS**

Series	
EIS	Enclosed industrial (wide)
EISC	Enclosed industrial (narrow)
EFS	Enclosed food service (wide)
EFSC	Enclosed food service (narrow)

Lamps[1]
1
2
3
Not included.

Wattage	
28T5	28W T5 (46")
32	32W T8 (48")
48HO	60W 800mA T12 (48")
54T5HO	54W T5HO (46")[2]

Diffuser type	
(blank)	Prismatic acrylic
PCL	Prismatic polycarbonate[3]

Voltage
MVOLT
347

Options	
1/3	One 3-lamp ballast (T8 only)
GEB10IS	T8 electronic ballast, instant start
GEB10PS	T5 electronic ballast, program start
GEB10RS	T8 electronic ballast, rapid start
CW20	T12 cold-weather ballast, -20°F starting
ELDW	Emergency lighting wet location (nominal 300 lumens)[4]
EL14DW	Emergency lighting wet location (nominal 1400 lumens)[4]
GLR	Internal fast blow fuse
RIF1	Radio interference filter, one per fixture[5]
STSW	Stainles steel housing, white
STS	Stainless steel housing, natural
CSA	Listed and labeled to comply with Canadian standards (347V only)

Availability and Dimensions

Series	Lamps per fixture	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
EIS	3	28T5, 32, 48HO	9¾ (24.8)	6 (15.2)	4 (10.2)
	2	54T5HO	9¾ (24.8)	6 (15.2)	4 (10.2)
EFS	3	28T5, 32, 48HO	9¾ (24.8)	6 (15.2)	4 (10.2)
	2	54T5HO	9¾ (24.8)	6 (15.2)	4 (10.2)
EISC	1	28T5, 32, 54T5HO	5⅞ (14.9)	6¾ (17.1)	4 (10.2)
EFSC	1	28T5, 32, 54T5HO	5⅞ (14.9)	6¾ (17.1)	4 (10.2)

Accessories	(Order separately)
WLF	Wet location fittings (1 pair, not installed)

NOTES:
1 Reference availability chart below.
2 Must be specified with ACNS90 ballast.
3 Not available with EFS or EFSC.
4 Luminaires ordered with **DW** option; (Example: **EL5DW**), will bear the UL emergency lighting equipment label for damp or wet locations. Available only with T8 lamp types.
5 For one filter per ballast, specify RIF2.

EFT

Tough Task™



Intended Use

For low to medium mounting heights in demanding applications including hosedown and food processing areas requiring ease of cleanability, compliance to FDA/USDA requirements and NSF splash-zone certification. Applications include meat/poultry/beverage processing, cosmetics and pharmaceuticals.

Features

Totally enclosed fixture with tubular acrylic, high-impact lens surrounding an aluminum channel. Channel is finished with a high-gloss, baked white polymeric powder.

Stainless steel end caps with silicone o-ring closed cell gaskets close off fixture ends.

High-impact, clear DR acrylic lens; .125" nominal thickness.

Two 7" stainless steel aircraft cables and s-hooks included.

Fixture supplied with 5' power cord.

4' and 8' lengths available.

Listings

UL LIsted to US and Canadian safety standards, maximum 40° C ambient temperature. See Options for 347V. IP65 rated for protection against ingress of water and contaminants. NSF International certified splash-zone and meets FDA/USDA guidelines (standard).

Ordering Information

Example: **EFT 2 32 MVOLT GEB10IS**

Series	Number of lamps	Wattage	Voltage	Options
EFT	**2**	**32** 32W T8 (48")	**MVOLT**	Shipped installed in fixture
	Not included.	**48HO** 60W 800mA (48")	**120**	**CW20** Cold weather ballast -20°F[1]
		48T8HO 44W T8 (48")	**277**	**GEB10IS** T8 electronic ballast, instant-start
		96HO 110W 800mA (96")	**347**	**GEB10RS** T8 electronic ballast, rapid-start
		96T8HO 86W T8 380mA (96")	*120-277V. Must specify GEB10IS.	**ELDW** Emergency lighting wet location, 300 lumens
				EL14DW Emergency lighting wet location, 1400 lumens
				GLR Internal fast blow fuse
				CS88 Brad Harrison 16/3 cord and plug set 5'
				CSA Listed and labeled to comply with Canadian safety standards (347V only)

NOTES:
1 T12HO only.

Availability and Dimensions

Series	Number of lamps	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
EFT	2	32, 48HO, 48T8HO	6½ (16.5)	7¼ (18.4)	50 (127.0)
EFT	2	96HO, 96T8HO	6½ (16.5)	7¼ (18.4)	98 (248.9)

WRT

Intended Use

General illumination for indoor and outdoor, covered-ceiling locations. Ideal for showers locker rooms, recreational facilities, kitchens and other applications calling for a wet location listing.

Features

Code gauge steel housing. All metal parts are finished with electrostatically deposited, thermally set polyester powder paint after fabrication.

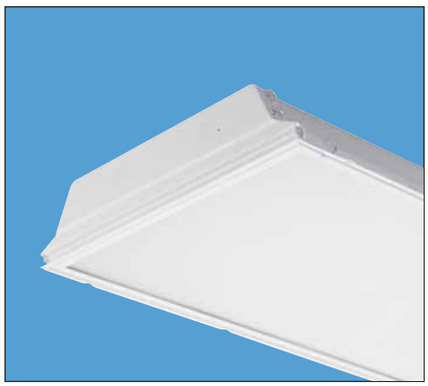
Available for grid or flange ceiling types.

Closed-cell neoprene gasketing between the lens, door frame, housing and mounting surface.

Extruded aluminum door frame features mitered corners.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options). UL Listed for wet locations for covered-ceiling applications.



Ordering Information

Example: **2WRT G 2 32 A12125 MVOLT GEB10IS**

Series		Trim type		Lamps	Lamp type		Door frame		Diffuser type[2]		Voltage	Options	
2WRT	2' wide	**G**	Lay-in grid trim	**1**	**17**	17W T8 (24")	(blank)	Flush aluminum, white	**A12125**	#12 pattern acrylic, .125" thick	**MVOLT**	**1/3**	One 3-lamp ballast
WRT	1' wide	**F**	Overlapping flange trim	**2**	**20**	20W T8 T12 (24")[1]	**FN**	Flush aluminum, natural	**A15**	#15 pattern acrylic, .2" thick	**347**	**1/4**	One 4-lamp ballast
				3	**U31**	31W T8 U-lamp (24")	**FM**	Flush aluminum, black	**A19**	#19 pattern acrylic, .156" thick		**GEB10IS**	T8 electronic ballast, instant start
				4	**U316**	31W T8 U-lamp (24", 6" leg spacing)						**GEB10RS**	T8 electronic ballast, rapid start
				6	**32**	32W T8 (48")						**CSA**	CSA Certified (347V only)
				Not included.	**CF40**	40W CF lamp (35")[1]						**NOM**	NOM Certified

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Height in. (cm)
1'x4'	WRT	1, 2, 3	32	$4^{1}/_{2}$ (11.4)
2'x2'	2WRT	2	17, 20, U31	$3^{11}/_{16}$ (9.3)
		2	U316, CF40	$3^{11}/_{16}$ (9.3)
		3	17, 20, U31, CF40	$3^{11}/_{16}$ (9.3)
		4	17, 20, CF40	$3^{11}/_{16}$ (9.3)
2'x4'	2WRT	2, 3, 4, 6	32	$3^{11}/_{16}$ (9.3)

NOTES:
1 Specify 120 or 277 volt
2 Add suffix V for internal prisms. Example: A12125V.

SRT

IntegraSeal CLEANROOM LIGHTING



Intended Use

Suitable for use in contamination-controlled environments ISO7 (Class 10,000) and ISO8 (Class 100,000) applications.

Features

Code-gauge steel housing is completely sealed with silicone caulk. Aluminum mitered-corner door frame features sealed cam latches and neoprene gasketing between door and housing.

Metal parts are finished after fabrication with electrostatically deposited, thermally set polyester paint.

Meets requirements for hosedowns up to 100 psi (see Options).

Suitable for use in 1", 1-1/2" and 2" wide T-bars, or with overlapping flange and swing-out hangers for use in dry or plaster ceilings.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations and covered-ceiling installations.

Ordering Information

Example: **2SRT G 3 32 FW A12125V MVOLT 1/3 GEB10IS**

Series
- **SRT** 1' wide
- **2SRT** 2' wide

For CF lamps in tandem, add prefix **T**. Example: **T2SRT**

Number of lamps
- **1**
- **2**
- **3**
- **4**
- **6**

Not included.

Trim type
- **G** Grid, 1"-1½" wide tee
- **G20** Grid, 2" wide tee[1]
- **F** Overlapping flange

Lamp type
- **17** 17W T8 (24")
- **20** 20W T12 (24")
- **U31** 31W T8-U (24", 1⁵/₈" leg spacing)
- **U316** 31W T8-U (24", 6" leg spacing)
- **32** 32W T8 (48")
- **CF40** 40W TT5 (24")

Frame type
- **FW** Aluminum inset, white
- **FN** Aluminum inset, natural

Diffuser type[2]
- **A12125V** #12 pattern acrylic, .125" thick, inverted
- **PCL12125V** #12 pattern polycarbonate, .125" thick, inverted
- **K12UVAV** KSH12 UVA lite, ultraviolet filtering lens, inverted
- **SYA** PSI symmetric/ asymmetric acrylic
- **SYAR** PSI symmetric/ asymmetric acrylic with radio filter grid[3]

Voltage
- **MVOLT**
- **120**
- **277**
- **347**

Options/Accessories
- **1/3** One 3-lamp ballast
- **1/4** One 4-lamp ballast
- **GEB10IS** T8 electronic ballast, instant start
- **GEB10RS** T8 electronic ballast, rapid start
- **ABC** Triple neoprene gasketing (frame, lens and housing).
- **FPA** Suitable for food processing areas; meets USDA and FDA requirements.[4,5]
- **LG** Additional lens gasketing, neoprene.
- **LPD** Suitable for low-pressure hosedown, up to 100 psi.[5]
- **CSA** CSA Certified
- **NOM** NOM Certified

See page 109 for others.

NOTES:
1. Not available for 1x2 and 1x4.
2. Only pattern #12 shielding will ship inverted standard and is indicated by a V. Example: **A12125V.**
3. Not available with lens gasketing.
4. Must specify **LPD** and additional gasketing (i.e. **LGNG**)
5. Requires minimum .125" thick lens and gasketing.
6. Flanged fixture height is 5¾" (14.61).
7. Flanged fixture height is 5" (12.70).

Availability and Dimensions (SRT, SRH, SSH)

Nominal size	Series	Number of lamps	Lamp type	SRT depth in. (cm)	SRH depth in. (cm)	SSH depth in. (cm)
1'x2'	SRT, SRH, SSH	1, 2, 3	17, 20	4⁷/₈ (12.38)[6]	4⁵/₈ (11.75)[7]	4½ (11.4)
		1, 2	U31, CF40,	4⁷/₈ (12.38)[6]	4⁵/₈ (11.75)[7]	4½ (11.4)
		1	U316	4⁷/₈ (12.38)[6]	4⁵/₈ (11.75)[7]	4½ (11.4)
1'x4'	SRT, SRH, SSH	1, 2, 3	32	4⁷/₈ (12.38)[6]	4⁵/₈ (11.75)[7]	4½ (11.4)
2'x2'	2SRT, 2SRH	1, 2, 3, 4	17, 20	4⁷/₈ (12.38)[6]	4⁵/₈ (11.75)[7]	4½ (11.4)
		1, 2, 3	U31, CF40,	4⁷/₈ (12.38)[6]	4⁵/₈ (11.75)[7]	4½ (11.4)
		1,2	U316	4⁷/₈ (12.38)[6]	4⁵/₈ (11.75)[7]	4½ (11.4)
2'x4'	2SSH	2,3,4,6	32	4⁷/₈ (12.38)[6]	4⁵/₈ (11.75)[7]	4½ (11.4)
	T2SRT, T2SRH, TSSH	2, 3	CF40	4⁷/₈ (12.38)[6]	4⁵/₈ (11.75)[7]	4½ (11.4)

SRH

integraSeal CLEANROOM LIGHTING



Intended Use

Suitable for use in contamination-controlled environments ISO5 (Class 100) and ISO6 (Class 1,000) applications, such as electronic assembly, pharmaceutical processing, semiconductor manufacturing, chemical labs, food processing areas and the medical industry.

Features

Completely sealed, one-piece housing is fabricated from 20-gauge cold-rolled steel. Seams sealed with silicone caulk.

Full door frame is one-piece, 18-gauge CRS featuring triple closed-cell, cross-linked neoprene gasketing between the door, lens and housing. Optional four-piece inset door also available for grid mounted fixtures.

Full 2'x4' door frame secured to housing by 10 stainless steel captive screws, inset door features four screws.

Optional stainless steel and aluminum housings and door frames available.

Metal parts finished with electrostatically deposited, thermally set polyester powder paint after fabrication.

Meets requirements for hosedowns up to 200 psi (see Options).

Suitable for use in 1", 1-1/2" and 2" wide T-grids, or with overlapping flange and swing-out hangers for use in dry or plaster ceilings.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations, covered-ceiling installations.

Ordering Information

Example: **2SRH G 4 32 FSF A12156V MVOLT GEB10IS**

Series

SRH	1' wide
2SRH	2' wide

For CF lamps in tandem, add prefix **T**. Example **T2SRH**

Trim type

G	Grid, 1" to 1½" wide tees
F	Overlapping flanged
G20	Grid, 2" wide tee[1]

Number of lamps

1
2
3
4
6

Not included.

Lamp type

17	17W T8 (24")
20	20W T12 (24")
U31	31W T8-U (24", $1^5/_8$" leg spacing)
U316	31W T8-U (24", 6" leg spacing)
32	32W T8 (48")
48HO	60W 800mA (48")[2]
CF40	40W TT5 (24")
CF50	50W TT5 (24")
CF55	55W TT5 (24")

Frame type

FSF	Steel full, white
FSSF	Stainless full, natural
FSSFW	Stainless full, white
FWF	Aluminum full, white
FW	Aluminum inset, white[3]
FN	Aluminum inset, natural[3]
FSS	Stainless inset, natural[3]
FSSW	Stainless inset, white[3]

Diffuser type[4]

A12125V	#12 pattern acrylic, .125" thick, inverted
A12156V	#12 pattern acrylic, .156" thick, inverted
PCL12125V	#12 pattern polycarbonate, .125" thick, inverted
K12UVAV	KSH12 UVAlite, ultraviolet filtering lens, inverted
SYA	PSI symmetric/asymmetric acrylic
SYAR	PSI symmetric asymmetric acrylic with radio filter grid

Voltage

MVOLT
347

Options/accessories

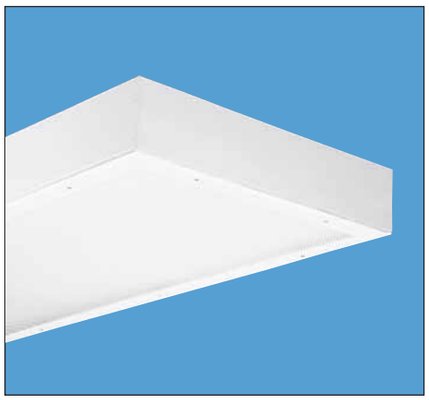
1/3	One 3-lamp ballast
1/4	One 4-lamp ballast
GEB10IS	T8 electronic ballast, instant start
GEB10RS	T8 electronic ballast, rapid start
AL	Painted aluminum housing, white
FPA	Suitable for food processing areas; meets USDA, FDA requirements[5,6]
HPD	Suitable for high pressure hose-down up to 200 psi[6]
STSW	Stainless steel housing, white
CSA	CSA Certified
NOM	NOM Certified

See page 109 for others.

NOTES:
1. Not available for 1x2 and 1x4.
2. Maximum 2-lamp availability.
3. For use with grid-mounted fixtures only.
4. Only pattern #12 shielding will ship inverted standard and is indicated by a V. Example: **A12125V.**
5. Must specify **HPD.**
6. Must specify lens thickness of at least .156".

Surface-Mount

SSH



Intended Use

Suitable for use in contamination-controlled environments ISO5 (Class 100) and ISO6 (Class 1,000) applications, such as electronic assembly, pharmaceutical processing, semiconductor manufacturing, chemical labs, food processing areas and the medical industry.

Features

Surface models feature seam-welded housing. Completely-sealed, one-piece housing is fabricated from 20-gauge cold-rolled steel.

Full door frame is one-piece, 18-gauge CRS featuring triple closed-cell, cross-linked neoprene gasketing between the door, lens and housing. Optional four-piece inset door also available.

Full 2'x4' door frame secured to housing by 10 stainless steel captive screws, while inset door features four screws.

Optional stainless steel and aluminum housings and door frames available.

Metal parts finished with electrostatically deposited, thermally set polyester powder paint after fabrication.

Meets requirements for hosedowns up to 200 psi (see Options).

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations and covered-ceiling installations. Optional FDA, food processing areas available.

Ordering Information

Example: **2SSH 3 32 FW A12125V MVOLT 1/3 GEB10IS**

Series

SSH	1'wide
2SSH	2' wide

For CF lamps in tandem, add prefix **T**. Example **T2SSH**

Number of lamps

1
2
3
4
6

Not included.

Lamp type

17	17W T8 (24")
20	20W T12 (24")
U31	31W T8-U (24", $1\frac{5}{8}$" leg spacing)
U316	31W T8-U (24", 6" leg spacing)
32	32W T8 (48")
CF40	40W TT5 (24")
CF50	50W TT5 (24")
CF55	55W TT5 (24")

Frame type

FSF	Steel full, white
FSSF	Stainless full, natural
FSSFW	Stainless full, white
FWF	Aluminum full, white
FW	Aluminum inset, white
FN	Aluminum inset, natural
FSS	Stainless inset, natural
FSSW	Stainless inset, white

Diffuser type[1]

A12125V	#12 pattern acrylic, .125" thick, inverted
A12156V	#12 pattern acrylic, .156" thick, inverted
PCL12125V	#12 pattern polycarbonate, .125" thick, inverted
K12UVAV	KSH12 UVAlite, ultraviolet filtering lens, inverted
SYA	PSI symmetric/ asymmetric acrylic
SYAR	PSI symmetric/ asymmetric acrylic with radio filter grid

Voltage

MVOLT
347

Others available.

Options/accessories

1/3	One 3-lamp ballast
1/4	One 4-lamp ballast
GEB10IS	T8 electronic ballast, instant start
GEB10RS	T8 electronic ballast, rapid start
AL	Painted aluminum housing, white
FPA	Suitable for food processing areas. Meets USDA, FDA requirements[2,3]
HPD	Suitable for high pressure hosedown up to 200 psi[3]
STS	Stainless steel housing, natural
STSW	Stainless steel housing, white
CSA	CSA Certified
NOM	NOM Certified

See page 112 for others.

NOTES:

1 Only pattern #12 shielding will ship inverted standard and is indicated by a V. Example: **A12125V.**
2 Must specify **HPD.**
3 Must specify lens thickness of at least .156".

STP

integraSeal CLEANROOM LIGHTING

Intended Use

Suitable for use in ISO4 (Class 10) and ISO5 (Class 100) cleanroom applications.

Features

Die-formed 20-gauge cold rolled steel or extruded aluminum channel. Stainless steel or formed aluminum housings available. Finish (standard) – White polyester powder paint, other finishes available (see Options).

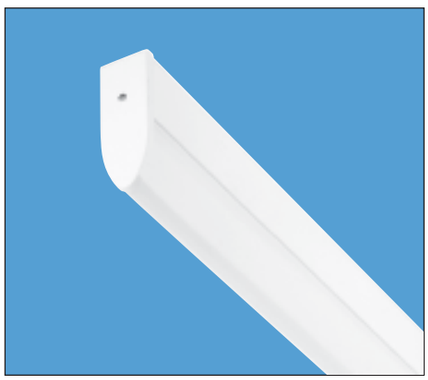
Diffuser is one piece, extruded, white acrylic with internal linear prisms for optimum light control. Smooth external surface for undisturbed airflow. Clear available.

For surface mounting to 2" T-bar. Suitable for individual or row mounting.

STP – End caps not included, order as an accessory.

Listings

UL Listed to US and Canadian safety standards. See Options for 347V. Tested in compliance with the International Organization for Standardization (ISO) Worldwide Contamination Classification.



Ordering Information

Example: **STP 1 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Diffuser	Voltage
STP	**1**	**32** 32W T8 (48")	(blank) White acrylic	**MVOLT**
For tandem double-length unit, add prefix **T**. Example: **TSTP**	Not included.		**ACR** Clear acrylic	**347**
				Others available.

Options	
GEB10IS	Electronic ballast for T8 < 10% THD, Instant start
GLR	Internal fast blow fuse
GMF	Internal slow-blow fuse
RIF	Radio interference filter (one per fixture)
STSW	Stainless steel housing, white
AL	Aluminum housing, white
CSA	Listed and labeled to comply with Canadian standards (347V only)

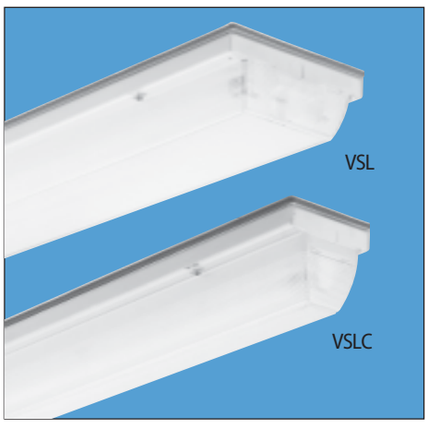
Accessories	(Order separately)
STPEP	Pair of cold rolled steel end caps, white
STPEP AL	Pair of aluminum end caps, white
STPEPSTSW	Pair of stainless steel end caps, white

Availability and Dimensions

Series	Lamps per fixture	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
STP	1	32, 40	2 (5.1)	6 (15.2)	48 (121.9)
TSTP	2	32, 40	2 (5.1)	6 (15.2)	96 (243.8)

Surface Enclosed

VSL
VSLC



Intended Use

For areas that require higher levels of protection from physical assault or environmental elements, while providing proper illumination for safety and security.

Features

Housing – Heavy-duty 16-gauge cold-rolled steel, one-piece housing for durability and security.

Ballast Cover – Ballast and lampholders are installed to wireway cover to provide easy installation and service. Wireway cover safety chains included.

Socket – Medium bi-pin, highly heat resistant, with internal locking collar for positive lamp retention and resistance to impact and vibration.

Finish – Five-stage, iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

Lens – Clear prismatic, injection-molded and UV-stabilized polycarbonate lens (.130" thick) that completely encloses face and all sides of housing. No exposed metal surfaces. Optional lens (SCE) features easily removable molded-in lens membrane centered over end plate knockouts for surface conduit and wiring access. Includes gaskets (one pair, not installed). Lens is secured to housing with tamper-resistant Torx® T-20 screws with center reject pin (included).

Gasket – One-piece, closed cell neoprene pad mounting gasket is factory installed to help seal against moisture, dust and insects.

Ballast – GEB10IS ballast for T8 lamps is electronic with 0°F starting temperature.

Listings

UL Listed to US and Canadian safety standards. CSA Certified (see Options). UL Listed for 25°C ambient and wet locations in covered-ceiling applications.

Ordering Information

Example: **VSL 2 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type
VSL $9^1/_4$" wide	**2** **3** [1,2] Not included.	**17** 17W T8 (24") **32** 32W T8 (48")[3]
VSLC $5^3/_8$" wide	**1**	**17** 17W T8 (24") **32** 32W T8 (48")

Lens type	
(blank)	Solid-end lens
SCE	Surface conduit entry lens[3]

Voltage
347
MVOLT

Options	
DL	Damp location
ELDW	Emergency battery pack (300 lumens)[2,4]
GEB10IS	Instant start electronic ballast
GEB10RS	Rapid start electronic ballast
GLR	Internal fast-blow fusing[5]
RIF1	Radio interference filter, one per fixture
CSA	CSA Certified

NOTES:
1 3-lamp model available in 32W T8 only.
2 Available in 4-foot fixtures only.
3 Provided with one pair of surface conduit gaskets.
4 Luminaires ordered with **ELDW** option (Example: **EL5DW**) will bear UL Emergency Lighting Equipment label for damp or wet location, depending on fixture.
5 Specify voltage.

Accessories	(Order separately)
RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.
SCG	Surface conduit gasket (one pair, not installed)

Availability and Dimensions

Series	Lamps per fixture	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
VSL	2	17	9¼" (23.5)	3⅜" (8.6)	25⅜" (64.5)
	2	32	9¼" (23.5)	3⅜" (8.6)	49⅜" (125.4)
	3	32	9¼" (23.5)	3⅜" (8.6)	49⅜" (125.4)
VSLC	1	17	5⅜" (13.7)	4½" (11.4)	25¾" (65.4)
	1	32	5⅜" (13.7)	4½" (11.4)	49¾" (126.4)

VW
VWC

Intended Use

General illumination for rough service (vandal-resistant) applications. Designed for use in corridors, entryways, meeting rooms, classrooms, locker rooms and more.

Features

Housing – One-piece, 16-gauge cold-rolled steel housing is die-formed and welded together with reinforcing members for strength. Aluminum and white stainless steel housings available (see Options).

Finish – All metal parts are post-painted in white polyester powder coat for smooth, finished edges and corrosion resistance.

Lens – UV-stabilized polycarbonate lens is extruded A12 prismatic pattern with internal linear side prisms, .130" thick polycarbonate (standard). Secured to housing with stainless steel Torx® T-20 tamper-resistant screws (included).

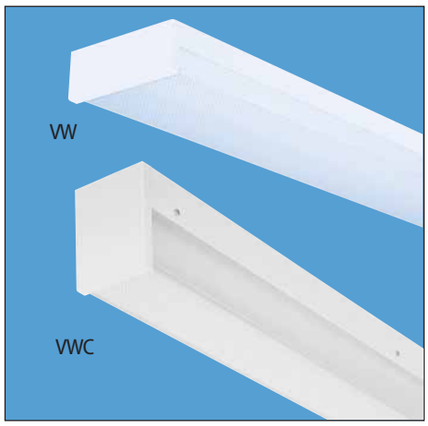
Ballast Cover – Ballast and lampholders are secured to channel cover or to channel to provide easy installation and service.

Socket – Medium bi-pin, highly heat resistant, with internal locking collar for positive lamp retention and resistance to impact and vibration.

Ballast – GEB10 IS ballast for T8 lamps is electronic with 0°F starting temperature.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and damp locations.



Ordering Information

Example: **VW 2 32 MVOLT GEB10IS**

Series	
VW	2 or 3 lamps in 8⅜" housing or 4 lamps in 13¼" housing
2VW	2 lamps in 13¼" housing
VWC	4½" housing

Number of lamps
1
2
3
4

Lamp type	
17	17W T8 (24")
32	32W T8 (48")

Lens type	
(blank)	Polycarbonate, .130" thick
ACR	High-impact acrylic, 50% DR
PCL156	Polycarbonate, .156" thick

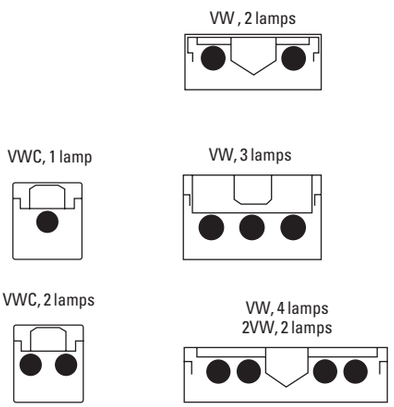
Voltage
347
MVOLT

Options	
AL	Aluminum housing
ELDW	Emergency lighting (300 lumens)[1]
GEB10IS	Electronic ballast, instant start
GEB10RS	Electronic ballast, rapid start
GLR	Internal fast-blow fusing[2]
RIF1	Radio interference filter, one per fixture
STSW	Stainless steel housing, white
CSA	CSA Certified

NOTES:
1 Luminaires ordered with ELDW option (Example EL5DW) will bear the UL Emergency Lighting Equipment label for damp or wet locations, depending on the fixture.
2 Specify voltage.

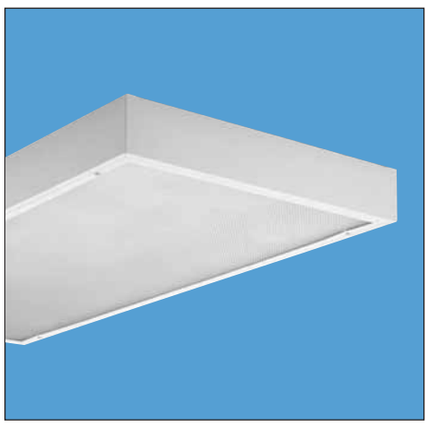
Accessories	(Order separately)
RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.

Availability and Dimensions					
Series	Lamps per fixture	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
VW	2	32	8⅜ (21.3)	3¼ (8.3)	49 (124.5)
	3	32	8⅜ (21.3)	5 (12.7)	49 (124.5)
	4	32	13¼ (33.7)	3⅜ (8.6)	49 (124.5)
2VW	2	32	13¼ (33.7)	3⅜ (8.6)	49 (124.5)
VWC	1,2	17	4½ (10.8)	5¼ (13.3)	25⅜ (64.5)
	1,2	32	4½ (10.8)	5¼ (13.3)	49⅜ (125.4)



www.lithonia.com, keywords: VW and VWC

VRS



Intended Use

General illumination for rough service (vandal-resistant) applications. Ideal for areas where safety and security are a concern.

Features

Housing – Clean design includes overlap mitered housing and door frame corners. Formed from cold-rolled steel. Housing corners spot-welded for strength.

Door – Flush steel door frame secured by four stainless steel tamper-resistant Torx® T-20 with center pin screws, two per side. Three tamper-resistant screws per side available. (Specify TP6 option).

Finish – Painted parts finished with high gloss, baked white enamel. Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance.

Lens – Variety of shielding available including VL, durable .250" polycarbonate sheet laminated to .125" A12 pattern acrylic overlay. Impact-resistant acrylic or prismatic polycarbonate also available.

Ballast – Thermally-protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast is standard.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and damp locations.

Ordering Information

Example: **VRS 2 32 AR12 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Lens type	Voltage	Options
VRS 1' wide	**1**	**17** 17W T8 (24")	**AR12** #12 pattern, high-impact acrylic, .140" thick	**347**	**GEB10IS** Electronic ballast, instant start
2VRS 2' wide	**2**	**U31** 31W T8-U (1⅝" leg)	**VL** Polycarbonate lens laminated to #12 pattern acrylic overlay, .375" thick	**MVOLT**	**GEB10RS** Electronic ballast, rapid start
	3	**U316** 31W T8-U (6" leg)[1]			**CSA** CSA Certified
	4	**32** 32W T8 (48")			
	6				

For other options and accessories, see below and page 112.

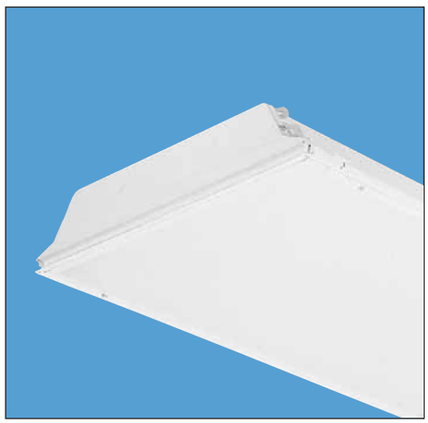
NOTES:
1 Not available on 3-lamp fixtures. Use U31.

Accessories	(Order separately)
RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
1'x4'	VRS	1, 2, 3	32	12 (30.5)	3¾ (9.5)	48 (121.9)
2'x2'	2VRS	2, 3	17, U31, U316	24 (61.0)	3¾ (9.5)	24 (61.0)
		1, 2	17, U31, U316	24 (61.0)	3¾ (9.5)	24 (61.0)
2'x4'	2VRS	2, 3, 4, 6	32	24 (61.0)	3¾ (9.5)	48 (121.9)

VRT



Intended Use

General illumination for rough service (vandal-resistant) applications. Ideal for areas that require higher levels of protection from physical assault, while providing proper illumination for safety or security.

Features

Housing – Steel door frame features overlap mitered corners. Formed from cold-rolled steel and secured by stainless steel tamper-resistant Torx® T-20 screws, two per side standard (four included). Ceiling trims available to fit most recessed applications.

Finish – Painted parts finished with high-gloss, baked white enamel. Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance.

Lens – Variety of shielding available including VL, durable .250" polycarbonate sheet laminated to .125" A12 pattern acrylic overlay. Impact-resistant acrylic or prismatic polycarbonate also available.

Ballast – Thermally-protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast is standard.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and damp locations. Wet location (WL) option available.

Ordering Information

Example: **2VRT G 4 32 AR12 MVOLT 1/4 GEB10IS**

Series
- **VRT** 1' wide
- **2VRT** 2' wide

Trim type[1]
- **G** Lay-in grid
- **F** Overlapping flange
- **MT** Modular fit-in

Number of lamps
- **1**
- **2**
- **3**
- **4**
- **6**

Not included.

Lamp type
- **17** 17W T8 (24")
- **20** 20W T12 (24")
- **U31** 31W T8-U (24")
- **U316** 31W T8-U (6" leg)[2]
- **32** 32W T8 (48")
- **CF40** 40W T5 lamp (24")

Diffuser type
- **AR12** #12 pattern, high-impact acrylic, .140" thick
- **ARF12** #12 pattern, high-impact acrylic with RF grid, .140"
- **PCL12187** #12 pattern polycarbonate, .187"
- **VL** .250" clear polycarbonate lens laminated to A12 pattern acrylic overlay, .125" acrylic

Voltage
- **347**
- **MVOLT**

Options
- **GEB10IS** Electronic ballast, instant start
- **GEB10RS** Electronic ballast, rapid start
- **CSA** CSA Certified
- **NOM** NOM Certified

For other options and accessories, see below and pages 106, 109.

NOTES:
1 Consult factory for screw slot and ST trim.
2 Not available on 3-lamp fixtures.

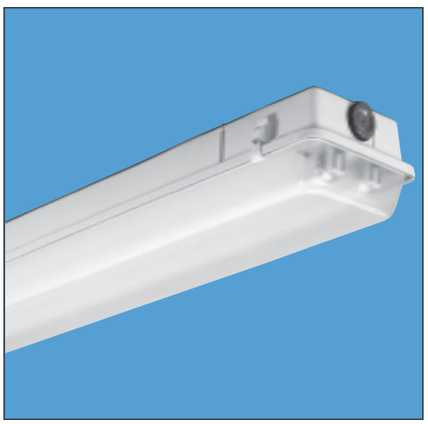
Accessories (Order separately)

- **RK1 T20BIT** Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
- **RK1 T20DRV** Torx TX20 screwdriver for tamper-resistant screws with center reject pin.

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Depth in. (cm)
1'x4'	VRT	1, 2, 3	32	4 1/2 (11.4)
2'x2'	2VRT	2	17,20,U31,U316,CF40	3 11/16 (9.3)
		3	17, 20	3 11/16 (9.3)
		3	U31	3 11/16 (9.3)
		4	17, 20	3 11/16 (9.3)
		4	CF40	3 11/16 (9.3)
2'x4'	2VRT	2, 3, 4, 6	32	3 11/16 (9.3)

VRI



Intended Use

General illumination for rough service (vandal-resistant) applications. Ideal for tunnels, canopies, shipping docks, refrigerated areas, food processing, or any non-hazardous environment that requires a wet location listing.

Features

Housing – Impact-resistant, UV-resistant, fiberglass-reinforced polyester housing with cold rolled steel enclosed wireway.

Lens – High-impact acrylic diffuser standard. Secured to fully-gasketed housing by captive, tamper-resistant cam-action latches.

For non-tamper-resistant fixture, see DMW fluorescent industrial, page 91.

Latches – Six tamper-resistant latches per 4' unit, ten per 8' unit.

Finish – Painted parts finished with high-gloss, baked white enamel. Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance .

Installation – Suitable for surface, chain or stem mounting.

Ballast – Thermally-protected, Class P, HPF electronic ballast standard.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations covered-ceiling installations.

Ordering Information

Example: **VRI 2 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Lens type[2]	Voltage	Options
VRI For tandem double length unit, add prefix **T**. Example: **TVRI**	**1** **2** **3**[1] Not included.	**32** 32W T8 (48") **48** 38W Slimline (48") **48HO** 60W 800 mA (48") **96HO** 110W 800mA (96") **96T8** 59W T8 Slimline (96") **96T8HO** 86W T8 380mA (96")	(blank) High-impact acrylic, 50% DR **DP** High-impact deep acrylic, 50% DR[2] **PCL** Polycarbonate[3]	**347** **MVOLT**	**GEB10IS** T8 electronic ballast, instant start **GEB10RS** T8 electronic ballast, rapid start **CSA** CSA Certified For other options and accessories, see below and page 113.

NOTES:
1 32W T8 only.
2 Deep lens is standard on 4' slimline, HO (800mA) and 8' fixtures. To match appearance on 4' rapid start, order DP option.
3 Standard depth lens provided.

Accessories	(Order separately)
RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
VRI	1, 2, 3[1]	1, 2, 3	32	7⅝ (19.4)	4¾ (12.1)	50 (127.0)
VRI (ARDP option)	1, 2, 3[1]	1, 2, 3	32	7⅝ (19.4)	5⅝ (14.3)	50 (127.0)
TVRI	1, 2	2, 4	32, 48, 48HO	7⅝ (19.4)	5⅝ (14.3)	98 (248.9)
VRI	1,2	1,2	96HO, 96T8, 96T8HO	7⅝ (19.4)	5⅝ (14.3)	98 (248.9)

VDC
VDS

Intended Use

General illumination for rough service (vandal resistant) applications. Designed for indoor and outdoor applications like corridors, walkways, pedestrian tunnels, canopies and drive-through areas.

Features

Housing – Heavy-duty, 16-gauge cold-rolled steel, one-piece housing for corner-mounted (VDC) or surface-mounted (VDS) applications. Housing and reinforcing members welded together for strength. Optional stainless steel or aluminum housings available.

Finish – All metal parts are post-painted in white polyester powder coat for smooth, finished edges and corrosion resistance.

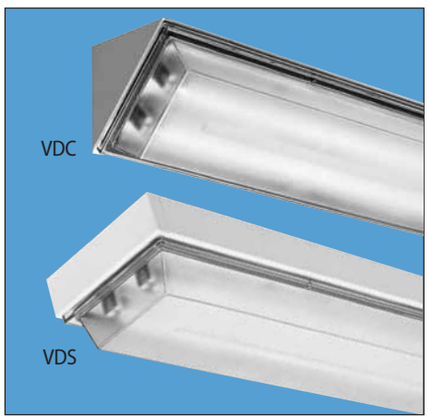
Lens – Clear, internally frosted, UV-stabilized, injection-molded polycarbonate lens standard. Smooth exterior for easy maintenance. Lens gasketed against moisture and contaminants and secured to housing with six stainless steel Torx® T-20 tamper-resistant screws (included).

Ballast cover – Ballast and lampholders are secured to channel cover to provide easy installation and maintenance. Channel-cover safety chains included.

Ballast – Class P, HPF ballast is UL Listed. Ballast for 32W is standard GEB10IS with a 0°F starting temperature.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and damp locations (wet locations in covered ceiling applications only).



Ordering Information

Example: **VDC 2 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Lens type	Voltage	Options
VDC Corner-mount	**1**	**32** 32W T8 (48")	(blank) Clear polycarbonate	**347**	**AL** Aluminum housing,white
VDS Surface-mount	**2**	**48HO** 60W 800mA(48")	**PCLW** White polycarbonate	**MVOLT**	**CW** Cold-weather ballast[1,2]
	Not included.				**CW20** Cold-weather ballast, -20ºF starting[3,4]
					ELDW Emergency lighting (300 lumens)[5,6]
					EL5DW Emergency lighting (500 lumens)[6,7]
					EL6DW Emergency lighting (600 lumens)[6,7]
					EL14DW Emergency lighting (1400 lumen)[7]
					GEB10IS Electronic ballast, instant start
					GEB10RS Electronic ballast, rapid start
					GLR Internal fast-blow fusing[8]
					RIF1 Radio interference filter, one per fixture
					STS Stainless steel housing, natural
					SSTW Stainless steel housing, white
					WL Wet location (covered ceiling only)[1]
					CSA CSA Certified

NOTES:
1 Not available with EL option.
2 Not recommended for use in ambient temperatures exceeding 40°F.
3 Not available with 48HO 347V.
4 Must be specified with 48HO for cold weather.
5 Will default to 300 or 600 lumens depending on lamp type (32 - 300, 48HO - 600).
6 Luminaires ordered with DW option (Example: EL5DW) will bear UL Emergency Lighting Equipment label for damp or wet locations, depending on fixture.
7 Not available with 48HO.
8 Specify voltage.

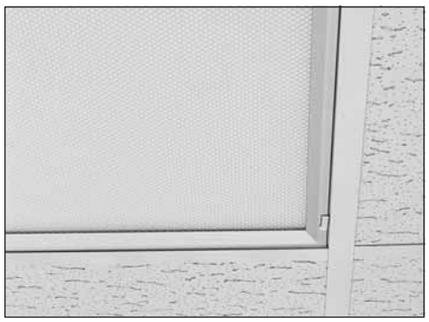
Availability and Dimensions

Series	Lamps per fixture	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
VDC	1, 2	32, 48HO	7½" (19.1)	6⅛" (15.5)	50 1⁄16" (127.2)
VDS	1, 2	32, 48HO	7 9⁄16" (19.2)	4½"(11.5)	50 9⁄16" (128.5)

Accessories (Order separately)

RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.

Door Frames and Diffusers



Troffer Options

Listed below are the door frames and shielding media available for Lithonia static and air-handling troffers. The matrix shows the availability for each option within specific troffer families.

Other diffusers in addition to those listed below are available. Contact your Lithonia Lighting sales representative.

■ Option available on **all models**.
❑ Option available on **most models**; consult factory for exceptions.

Availability Matrix

	See page	Option Designation	GT8	SP8	SP	SP AIR	VRT
DOOR FRAMES Flush steel door standard unless otherwise noted. To order door frames below, add designation after lamps in catalog number.							
Regressed natural anodized aluminum	107	**RN**	■	■	■	■	
Regressed aluminum, white finish	107	**RW**	■	■	■	■	
Regressed aluminum, matte black finish	107	**RM**	■	■	■	■	
Flush natural anodized aluminum	107	**FN**	■	■	■	■	■
Flush aluminum, white finish	107	**FW**	■	■	■	■	■
Flush aluminum, matte black finish	107	**FM**	■	■	■	■	■
LENSES AND LOUVERS							
#12 pattern acrylic	108	**A12**	■	■	■	■	
#12 pattern acrylic, .125" thick	108	**A12125**	■	■	■	■	
#12 pattern acrylic, reverse apex, .125" thick [2]	108	**RA125**		■			
#19 pattern acrylic, .156" thick	108	**A19**	■	■	■	■	
Low-brightness acrylic school lens	108	**ASL**	■	■	■	■	
Injection-molded acrylic, .140"-.150" thick		**IM**	■	■	■	❑	
Vandal-resistant acrylic lens, .375" thick		**VL**	■	■	■	❑	
Radio frequency shielding (A12; others available)	108	**ARF12**	■	■	■	❑	
Dropped dish, matte white acrylic		**AC**	■	■	■		
White aluminum eggcrate ½" x ½" x ½"		**ALE**	■	■	■	❑	
White plastic eggcrate, ½" x ½" x ½"		**PL**	■	■	■		
Parabolic plastic-cube, ½" x ½" x ½" [1]	108	**PC1**	■	■	■	❑	
Parabolic plastic-cube, 1½" x 1½" x 1" [1]	108	**PC2**	■	■	■	❑	
Parabolic plastic-cube, ¾" x ¾" x ½" [1]	108	**PC3**	■	■	■	❑	
Parabolic plastic hex-cell, ½" deep [1]		**PX**	■	■	■		
REFLECTIVE SURFACES							
95% reflective silver	108	**SSR**	❑	■	■	■	

NOTES:
1 Add suffix **S** for silver or **G** for gold. Example: **PC1G.** For acrylic, add A. Example: **PC1SA.**
2 Pattern acrylic, reverse apex, .125" thick.

Regressed Aluminum

RN – Natural anodized
RM – Matte black
RW – White

Flush Aluminum

FN – Natural anodized
FM – Matte black
FW – White

Flush Steel

White (standard)
FSM – Matte black (optional on some models)



Regressed aluminum, white finish



Flush aluminum, white finish

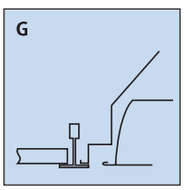


Flush steel, white finish

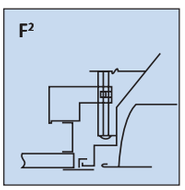
Ceiling Compatibility

Paramax® and Optimax®

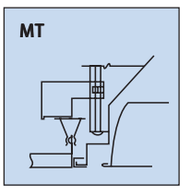
Type of Ceiling	Appropriate Trim Type G	F	MT	ST
Exposed grid tee	■			
Concealed grid tee	■			■
Concealed Z spline		■	■	
Metal pan[1]			■	
Screw slot[1]				■
Plaster or plasterboard		■		



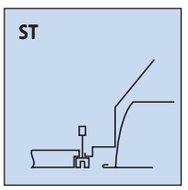
LAY-IN TRIM
Exposed grid tee



OVERLAPPING FLANGED TRIM with swing-gate hangers



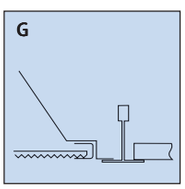
MODULAR FIT-IN TRIM with swing-gate hangers



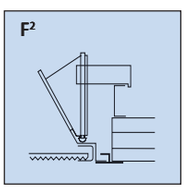
SCREW SLOT TRIM, louver flush to ceiling

SP, SP8, GT8 and VRT

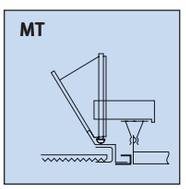
Type of Ceiling	Appropriate Trim Type G	F	MT
Exposed grid tee	■		
Concealed grid tee	■		
Concealed Z spline		■	■
Metal pan[1]		■	■
Screw slot[1]	■		
Plaster or plasterboard		■	



LAY-IN TRIM
Exposed or concealed grid tee



OVERLAPPING FLANGED TRIM with swing-gate hangers



MODULAR FIT-IN TRIM with swing-gate hangers

Plaster Frames

Plaster frames provide a clean, square edge for wet plaster ceiling openings. Order **F trim** factory installed on fixture, then order appropriate size plaster frame option for each fixture to be installed. (Not required for drywall ceilings.)

Catalog No.	(Order separately)
PF4	Pair of sides for 4' long
PF2	Pair of sides for 2' long
PFE	Pair of ends for 1'x4'
2PFE	Pair of ends for 2' wide
20PFE	Pair of ends for 20" wide

Filler Pans

Accessory filler pans to finish out ceiling grids. Side filler pans typically are used when 20"-wide fixtures are installed in 2'-wide grid systems. End filler pans are used to install 4' units into 5' grid systems.

Catalog No.	(Order separately)
2FP2	Side filler pans (pair), white, 2" wide, 2' long.
2FP6	End filler pans (pair), white, 6" wide, 2' long.
4FP2	Side filler pans (pair), white, 2" wide, 4' long.
20FP6	Side filler pans (pair), white, 6" wide, 20" long.

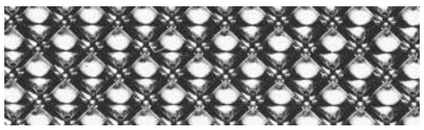
Drywall Grid Adapter

Drywall grid adapters (**DGA**) are used to install grid trimmed troffers in plasterboard or other hard ceilings. Order DGA accessories separately. Compatible with all lay-in troffers. Order using DGA plus nominal fixture size. Example: **DGA24**.

Metric Availability
Metric versions of some recessed fluorescent fixtures are available. Consult your Lithonia Lighting sales representative.

NOTES:
1 Consult factory prior to order.
2 Requires CRE and CRM trim options for continuous row mounting.

Optional Lenses



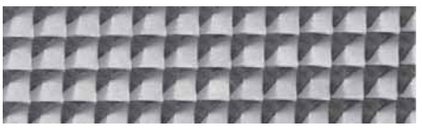
A12*

- Standard Lithonia shielding
- Extruded, clear 100% acrylic
- 3/16" female prisms
- Nominal .095" thick (.125", .156" and .187" optional)

Example: **2GT8 4 32 *A12* MVOLT 1/4 GEB10IS**

Add suffix **T** for tinted.

* Reverse apex prism design used on SP8 only. (for .125", specify RA125)

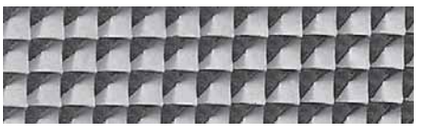


A19

- High VCP — very low brightness in direct glare zone
- 3/16" square-base male conical prisms
- High efficiency
- Minimizes lamp image
- Nominal .156" thick (.187" optional)

Example: **2SP8 G 3 32 *A19* MVOLT 1/3 GEB10IS**

Add suffix **T** for tinted.

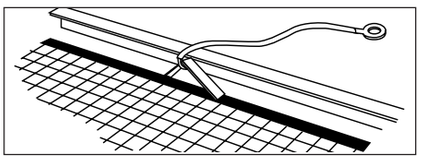


ASL

- Acrylic school lens, developed for lighting applications where brightness control is critical (schools, libraries, etc.)
- Extruded, clear 100% acrylic
- Nominal .156" thick (.187" optional)

Example: **2SP8 G 3 32 *ASL* MVOLT 1/3 GEB10IS**

Add suffix T for tinted.



Radio frequency shielding

- For hospitals, TV stations or wherever sensitive electronic equipment is in use
- Choice of patterns and thicknesses
- Not available in fixtures with lens gasketing

To order any lens with optional thickness, add thickness to designation.

Example: **2SP8 G 3 32 *A12125* MVOLT GEB10IS**

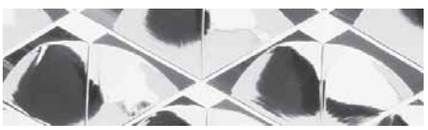


PC1

- Injection-molded parabolic polystyrene plastic louver
- ½" x ½" x ½" square cell, 45° shielding
- Specify choice of specular gold (**G**) or specular silver (**S**)

Example: **2SP8 G 3 32 *PC1S* MVOLT 1/3 GEB10IS**

Add suffix **A** for acrylic.



PC2

- Injection-molded parabolic polystyrene plastic louver
- 1½" x 1½" x 1" square cell, 35° shielding
- Specify choice of specular gold (**G**) or specular silver (**S**)

Example: **2SP8 G 3 32 *PC2S* MVOLT 1/3 GEB10IS**

Add suffix **A** for acrylic.



PC3

- Injection-molded parabolic polystyrene plastic louver
- ¾" x ¾" x ½" square cell
- Specify choice of specular gold (**G**) or specular silver (**S**)

Example: **2SP8 G 3 32 *PC3S* MVOLT 1/3 GEB10IS**

Add suffix **A** for acrylic.



Small-Cell

- Small-cell aluminum parabolic louvers for SP AIR and SP8
- Choice of cell size and 1½" or ¾" depth
- Specify number of cells, plus louver depth (15 for 1.5" and 75 for .75") and finish. For 78 cells, 1.5" deep, specular finish:

Example: **2SP G B 3 32 *7815LS* MVOLT 1/3 GEB10IS.**

Reflective Surface

SSR

95% minimum-reflectance silver inserts. 10-year warranty by material manufacturer. See pages 112-113 for availability.

Additional lenses and louvers available. Consult factory or Lithonia Lighting sales representative.

Troffer Options

Listed below are major electrical wiring and other options available for Lithonia Lighting static and air-handling troffers. The matrix shows the availability of each option within specific troffer families.

Certain combinations of options are incompatible in the same fixture. Consult factory for details.

■ Option available on **all models**.
■ Option available on **most models**; consult factory for exceptions.

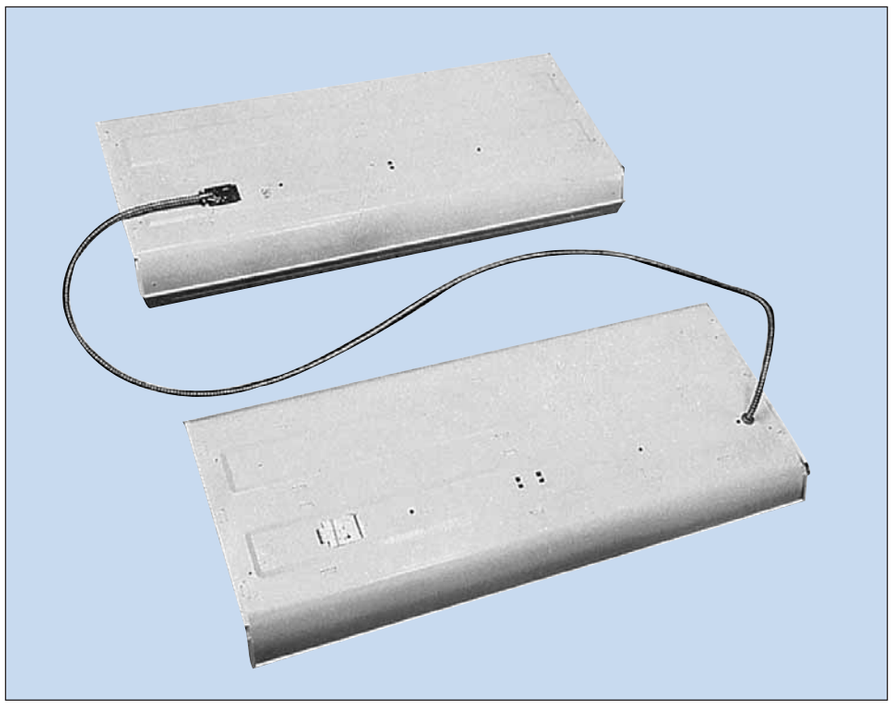


Availability Matrix

	See page	Option Designation	GT8	SP8	SP	SRT SRH	SP AIR	VRT	PM2 PM4	PMO PM3 HPM3	2PM3N	NAT CNAT	AV	WW
ELECTRICAL	To order, add designation as a suffix to fixture catalog number, unless otherwise noted.													
Ballast options	115	—	■	■	■	■	■	■	■	■	■	■	■	■
Dimming ballasts	—	—	❑	❑	■	❑	❑	❑	❑	❑	❑	❑	❑	❑
Multi-volt ballasts (120-277V)[1]	—	**MVOLT**	■	■	■	■	■	■	■	■	■	■	■	❑
Emergency lighting[2]	116	**EL/EL14**	■	■	■	❑	■	■	■	■	■	■	■	❑
Fusing	115	**GLR/GMF**	■	■	■	■	■	■	■	■	■	■	■	■
Radio interference filter	116	**RIF**	■	■	■	■	■	■	■	■	■	■	■	■
Labeled for fire-rated ceiling	115	**FR**	■	■	■	■	■	■	■	■	■	■	■	■
WIRING	To order, add designation as a suffix to fixture catalog number, unless otherwise noted.													
Prewiring	115	**PW_**	■	■	■		■	■	■	■	■	■	■	■
Labor-saving tandem	110	**LST**	■	■	■		■	■	■	■	■	■	■	❑
Reloc® wiring systems	682	—	■	■	■		■	■	■	■	■	■	■	■
MISCELLANEOUS	To order, add designation as a suffix to fixture catalog number, unless otherwise noted.													
2 channel covers installed	—	**2R**				❑			■		■			
Tamper-resistant door[3, 6]	116	**TPS/TP4**		■		❑								
Additional lens gasketing	—	**LG**	❑	❑	❑	❑	■	■						
T-bar safety clips (snap-on)[4]	115	**HTC**	■	■	■		■	■	■	■	■		■	
T-bar safety clips (screw-on)[4]	115	**LATC**	■	■	■	❑	■	■	■	■	■	■	■	■
Air-pattern control blades	111	**APB**					■		■	■	■			
Heat-removal dampers	111	**HRD**					■		■	■	■			
Air closure strips	111	**ACS**					■		■	■	■			
Lamps furnished and installed	116	—	■	■	■		■	■	■	■	■		■	■
Job pack[5]	116	**JP**	■	■	■	■	■	■	■	■	■		■	❑

NOTES:
1 Consult factory for availability.
2 Addition of emergency battery pack options may increase overall fixture depth. Consult factory.
3 **TPS** = one tamperproof screw per latch, **TP4** = 4 tamperproof screws (2 on latch side, 2 on hinge side).
4 Integral T-bar safety clips are standard for most models of GT8, SP8, SP, 2pm2, 2pm4, 2PM3N and 2PM0 fixture families. Also available on 1x4 PM3, PM0 and HPM3 fixtures. Consult factory for specific exceptions.
5 Palletized and stretch-wrapped without individual cartons. Available for **G** (grid) and **MT** (modular) trims only.
6 VRT standard with 4 tamperproof screws.

Labor-Saving Tandem Option



REDUCES THE NUMBER OF BALLASTS REQUIRED FOR FLUORESCENT TROFFERS.

- Simple, snap-together design.
- Uses *half* the connections.
- Uses *half* the wiring and components.
- Available on all sizes and types of Lithonia troffers with access plates.
- Wiring connections for both fixtures located at one access plate.
- Interconnection cable is fully prewired and pre-assembled.
- Polarized nylon plugs ensure positive connections, prevent miswiring.
- Identified ballast leads simplify multi-level switching.

Simply wire in the Master unit using hardwiring, prewiring or Reloc® wiring.

Then snap-connect the Satellite unit to the Master unit. Installation is complete.

Ordering Information

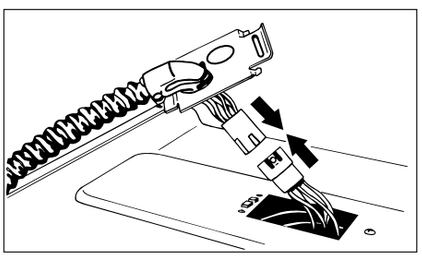
Example: **2SP8 G 3 32 A12 MVOLT GEB10IS LST11**

1. Select desired troffer model.
2. Add one of the following as a suffix to standard Lithonia Lighting catalog number:

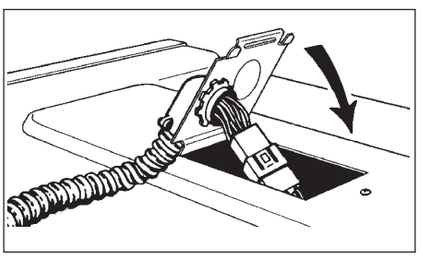
LST	9' cable (standard cable length)
LST7	7' cable
LST11	11' cable

(Consult factory for other lengths.)

NOTE: Order fixtures in pairs. Factory will supply correct number of Master and Satellite units.

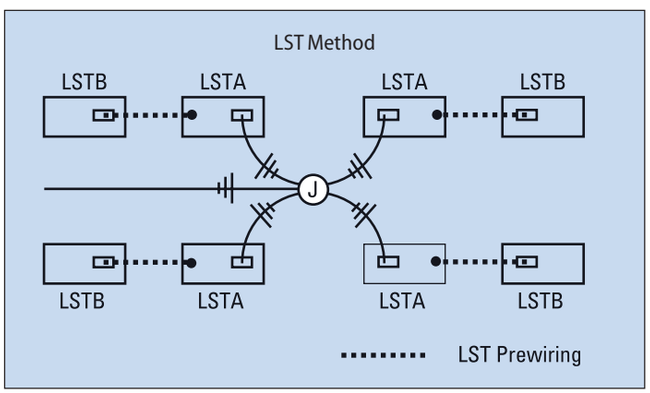


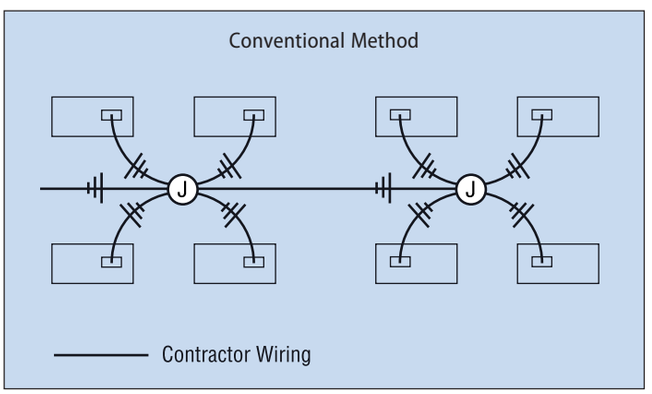
Join nylon connector



Close access plate

LST saves up to 40% of installation labor and wiring costs.





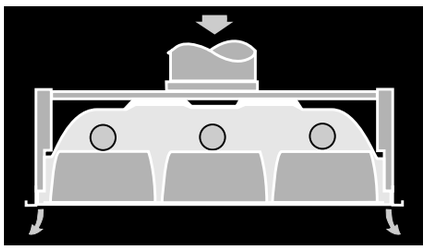
Lithonia Lighting manufactures a complete line of troffers designed to provide any level of air-handling capability, from simple heat removal to a combination of all air functions. Compatible with a full range of air equipment by major manufacturers, these fixtures comprise the most complete and comprehensive family of air-handling troffers available.

Ductwork, including air boots, supplied by others.

Best choice for...

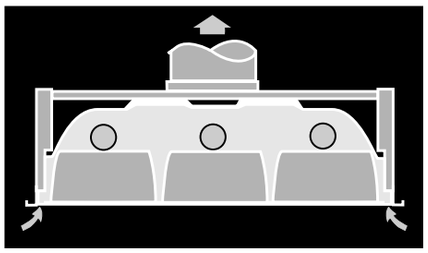
- Dependable performance
- Application flexibility
- Air-equipment compatibility

Complete Air-Handling Capability



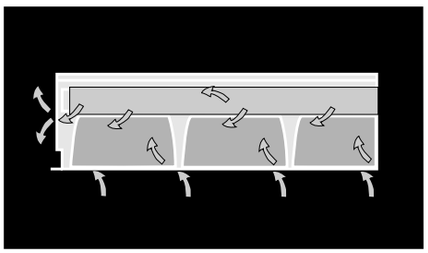
A – Air Supply

Air is supplied to occupied space through slots in side rails. Air diffusers connected to slots provide cooled or heated air to the space. Optional air-pattern control blades control airflow. Available on SP AIR, Paramax® and Optimax®.



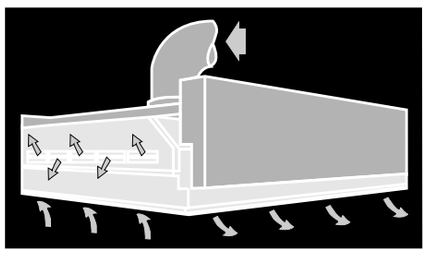
A – Air Return

Air is removed from occupied space through slots in side rails. Air is returned to plenum or to air diffusers connected to slots. Available on SP AIR, Paramax® and Optimax®.



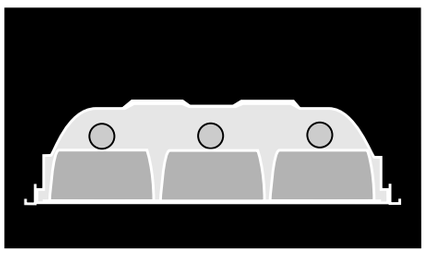
H – Heat Removal

Room air and fixture heat are removed through slots in the top or end of fixture housing. Slots in top are louvered to minimize entry of plenum contaminants into lamp cavity. Optional dampers available to control air flow. Available on SP AIR, Paramax® and Optimax®.



D – All Air Functions

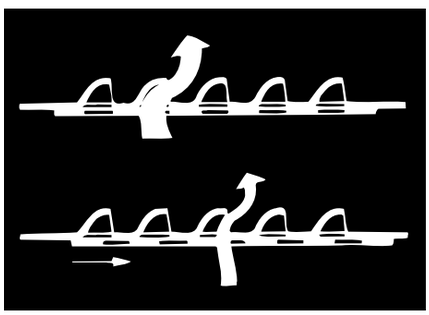
Full-function air-handling capability. Dual-function air supply and/or return through side rails and heat removal through lamp cavity. Available on SP AIR, Paramax® and Optimax®.



B – No Air Functions

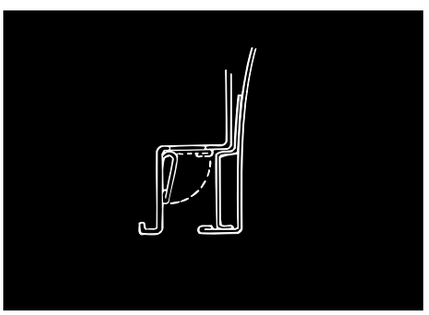
Static troffer that provides no air functions, but matches other models in appearance for continuity of design. Available on SP AIR, Paramax® and Optimax®.

Air Control Options



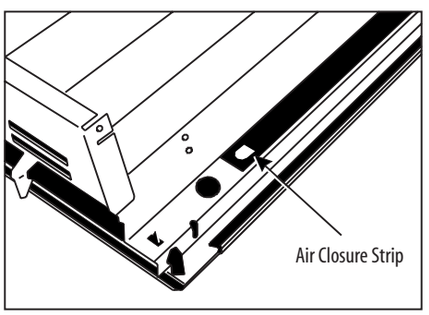
HRD – Heat-Removal Dampers

Designed to adjust or close off airflow through louvered slots on heat-removal models. Accessible from below. Design varies by fixture.



APB – Air-Pattern Control Blades

Designed to adjust or direct airflow on air supply/return models. Adjusts without tools from fully open to fully closed. Accessible from below.



ACS – Air Closure Strips

Designed to convert fixture from air-handling to static in the field (no tools required). Not accessible from below.

Electrical, Hanging and Miscellaneous Options



Availability

Listed below are the major electrical and other options available for Lithonia Lighting commercial fixtures. The matrix shows the availability of each option within specific fixture families.

Additional options and accessories are available. Contact your Lithonia Lighting sales representative for information.

- ■ Option available on **all models**.
- ■ Option available on **most models**; consult factory for exceptions.

Commercial Fixtures

	Option Designation	PMOX PM3X	M VRS	SSH	AW	CA	SB	LB CB	CS	CLM	VC
ELECTRICAL											
Energy-saving systems	**ES**	■	❑	❑	■	❑	❑	■	■	■	■
Ballast options (page 115)	—	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑
Dimming ballasts	—	❑	❑	❑	❑	❑	❑	■	■	❑	❑
Multivolt ballast (120-277V range)[1]	**MVOLT**	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑
Emergency lighting[2]	**EL, EL14**	■	■	❑	■	■	❑	■	■	❑	■
Fusing	**GLR/GMF**	■	■	■	■	■	■	■	■	■	■
Radio interference filter (page 116)	**RIF**	■	■	❑	■	❑	■	■	■	❑	■
HANGING DEVICES											
Swivel-stem hanger (page 117)	**SQ_**	❑			❑	■		■	■	■	■
Double-stem hanger (page 117)	**DSH24**			❑	❑		❑	❑		❑	
Ceiling spacer (page 117)	**1B**	❑			❑	■		■	■	■	■
Hooker® hanger (page 117)	**HRC/HRC1**							■			
Single stem rod	**SQRH_**										
MISCELLANEOUS											
95% reflective silver (page 108)	**SSR**	❑	❑					❑			
Tamper-resistant (page 116)	**TPS**		❑	■							
Spring-loaded latch (page 116)	**SLL**	❑	❑								

NOTES:
1 Consult factory for availability.
2 For CSA emergency lighting, add prefix B50C.

Order hanging devices as accessories, using separate catalog numbers. Order options by adding suffix to catalog number, unless otherwise noted.

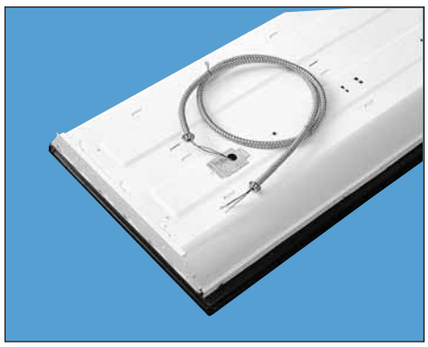
Metric Availability
Metric versions of some surface fluorescent fixtures are available. Consult your Lithonia Lighting sales representative.

Availability

Listed are the major electrical and other options available for Lithonia Lighting strip and industrial fixtures. The matrix shows the availability of each option within specific families.

Additional options and accessories are available. Contact your Lithonia Lighting sales representative for information.

■ Option available on **all models**.
■ Option available on **most models**; consult factory for exceptions.



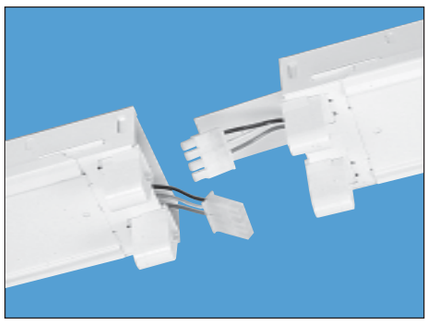
Strips and Industrials

	Designation	SM	SS SST	AF AFP	PV	EJS EJD	L LA	DMW VRI	DMS DMSW	DM	RR CRR CRRS	IB	HB5 HBB	MS8 MS5HB	MS5 MS5SS	S	C	UNS UND
ELECTRICAL																		
Plug-in (page 114)	**PLR_G/PLF_G**	■	■	■	■	■	■				■			❑	❑	■	■	■
Tandem quick-connect (page 114)	**TWP**	❑	❑	■	❑	❑	❑				■					❑	❑	■
Emergency lighting (page 116)[1]	**EL, EL14**	❑	❑	■	■	■	■	■	■	■	■	❑	■	❑	❑	❑	■	■
Fusing (page 115)	**GLR/GMF**	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Radio interference filter (page 116)	**RIF**	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■
Cordset, 120V (U-ground plug) (page 116)	**CS1**	■	■	■	■	■	■					❑	❑	❑		■	■	■
Cordset, 120V (twist-lock grounded plug) (page 116)	**CS3**	■	■	■	■	■	■					❑	❑	❑		■	■	■
Cordset, 277V (U-ground plug) (page 116)	**CS7**	■	■	■	■	■	■					❑	❑	❑		■	■	■
Cordset, 277V (twist-lock grounded plug) (page 116)	**CS11**	■	■	■	■	■	■					❑	❑	❑		■	■	■
HANGING DEVICES																		
Tong (slide clamp) hanger (page 117)	**THUN**			■	■	❑								■				❑
Hooker® hanger (page 117)	**TH2UN**					❑												❑
	THC		❑				■										■	
	HR_			■	■	❑	❑										❑	❑
Swivel-stem hanger (page 117)	**SQ_**	❑	❑	■	■	■	■	❑	❑	❑				■	■	■	■	■
Double-stem hanger (page 117)[2]	**DSH24**		❑	❑	❑	❑	❑									❑	❑	❑
Ceiling spacer (page 117)	**1B**	❑	❑	■	■	❑	❑							■	■	■	■	■
Chain hanger (page 117)	**HC36**		❑	■	■	❑	■	❑	❑			■		■		■	■	❑
MISCELLANEOUS																		
95% reflective silver (page 108)	**SSR**			■		■					■						❑	
Wireguards (page 117)	**WG_**		■	■	❑	■	■					■	■	■		■	■	■
Aluminum housing	**AL**		■						■								■	

NOTES:
1 For CSA emergency lighting, add prefix B50C. See page XX.
2 Available on most 4' fixtures. Consult factory.

Order hanging devices and wireguard accessories as separate catalog numbers.
Order options by adding suffix to catalog number, unless otherwise noted.

PLF – Advanced 3-Circuit Plug-In



Advanced plug-in system with three-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLF22 (2-circuit) and PLF33 (3-circuit) crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy. Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA Certified systems available with up to 2 circuits. **G** ground required.

Ordering Information

Example: UND 2 96HO 120 ES *PLF3C*

Series	Number of "hot" wires	Branch circuits (Circuits to which ballasts are connected)	Ground
PLF	(blank) Not required for 22 or 33	(blank) Not required for 22 or 33	(blank) No ground in PLF
PLF22	**1** Black	**A** Black wire	**G** Ground. Maximum 2 circuits.
PLF33	**2** Black and red	**B** Red wire	
	3 Black, red and blue[1]	**C** Blue wire[1]	
		AB Outboard lamps to black, inboard to red	
		AC Outboard lamps to black, inboard to blue[1]	

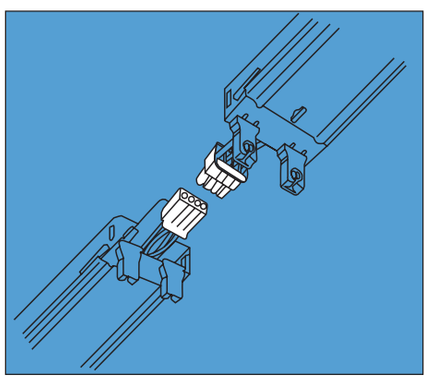
NOTES:
1 Ground not available.

Typical Applications

- Multiple circuit and single circuit for longer continuous rows
- Multiple circuit with alternating fixtures on separate circuits, 2-circuit (PLF 22) and 3-circuit (PLF 33)
- Multiple circuit with night-lights located along row as desired

PLF 3 C	PLF 3 C	PLF 3 C	PLF 3 C	PLF 2 B	PLF 2 B	PLF 2 B	PLF 2 B	PLF 1	PLF 1	PLF 1
(All PLF 22)										
Circuit A	Circuit B	Circuit A	Circuit B	Circuit A	Circuit B	Circuit A	Circuit B	Circuit A	Circuit B	Circuit A
(All PLF 33)										
Circuit A	Circuit B	Circuit C	Circuit A	Circuit B	Circuit C	Circuit A	Circuit B	Circuit C	Circuit A	Circuit B
PLF 3 A	PLF 3 A	PLF 3 A	PLF 3 C	PLF 3 B	PLF 3 B	PLF 3 B	PLF 3 C	PLF 3 A	PLF 3 A	PLF 3 A

Tandem Quick-Connect Plug-In



Fully prewired secondary wiring for continuous row, strip and industrial applications. Simply install two channel sections and connect plugs.

One worker can install – more efficient than a two-worker installation of one 16-foot length. Lock-together nylon plugs are polarized to prevent miswiring.

Available on all tandem-wired (T) strip, industrial fixtures and a variety of architectural row-mounted products.

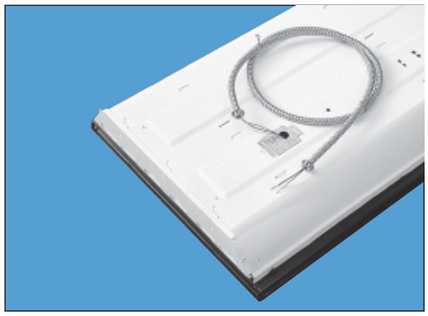
TWP and **TILWP** available. Consult factory.

PW – Prewiring Option

(Troffers only)

Complete range of prewired whips for every installation requirement.

- Factory-installed flexible cable, wired into fixture through access plate.
- 3/8" cable with snap-in connectors standard. ½" cable optional.
- Choice of wire gauge.
- Up to five wires, including one neutral (white) and one ground (green) – permits multi-level switching.
- Ready to connect to J-box.



Develop 6- or 7-digit suffix as explained below. Add suffix to fixture catalog number.

Ordering Information

Example: **2GT8 3 32 A12 MVOLT 1/3 GEB10IS *PWS1836***

(3/8" flex cable with three No. 18 AWG leads B, W, GR, cable 6' long.)

Family	Cable	Wire gauge	Number of wires	Cable length
PW Prewire	(blank) ½" dia. **S** 3/8" dia.	**12** **14** **18**	**3** 1 circuit **4** 2 circuits **5** 3 circuits	**6** 6 feet

T-Bar Safety Clips

Screw-on Clips (Troffers only)

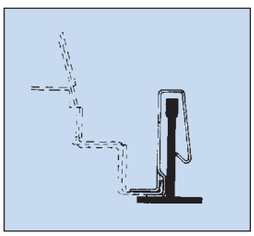
LATC Hold-down clips to secure troffer to T-bar. Field installed. Attach by screwing to fixture end plates. Four furnished per fixture.

Example: **2PM4 G B 3 32 18LD 120 GEB *LATC***

NOTE: Safety clips may be used on fixtures with integral T-bar clips if additional means of attachment are required.

Snap-on Clips (Troffers, RR, CRR)

HTC Hold-down clips to secure troffer to T-bar. Four furnished per fixture.



Ballast Options

CW Cold-weather ballast; 0°F starting for RS slimline lamps and some T8 lamps

CW20 Cold-weather ballast; -20°F starting for HO and PG lamps.

GEB10IS Electronic ballast, instant start maximum 10% THD. (32T8 only, other wattage may vary by lamp or wattage type. MVOLT standard. Factory choice; see page 708 for specification and ordering information.

GEB10PS Electronic ballast, program start maximum 10% THD. Factory choice; see page 708 for specification and ordering information.

GEB10RS Electronic ballast, rapid start, maximum 10% THD. Factory choice; see page 708 for specification and ordering information.

GEBH Electronic ballast, instant start with 1.20 (nominal) ballast factor. Factory choice; see page 708 for specification and ordering information.

Example: **C 2 32 MVOLT *GEB10IS***

Fusing

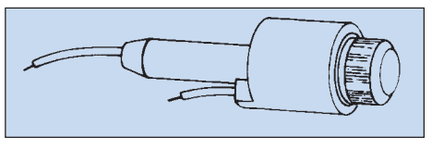
One per ballast furnished. Fusing not recommended for use with 277V magnetic dimming ballasts.

Internal Fusing

BKTK Internal fast-blow fuse. For use in 347V fixtures.

GLR Internal fast-blow fuse.

GMF Internal slow-blow fuse.

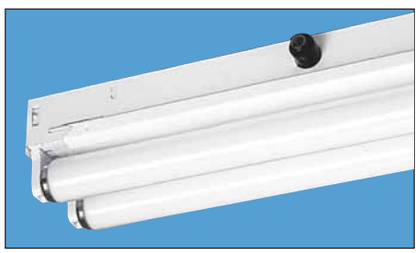


External Fusing

(Strips and open industrials only)

GLRX External fast-blow fuse.

GMFX External slow-blow fuse.



Construction for Fire-Rated Ceilings

(Troffers only)

FR Lithonia fluorescent troffers are UL Listed and are compatible with UL fire-rated ceiling assemblies. Upon request for the FR option, the FR label is applied to the back of the housing. Label states: *This troffer is specially designed to be installed in fire-rated or insulated ceilings.*

Example: **2GT8 4 32 A12 MVOLT 1/4 GEB10IS *FR***

NOTE: Not applicable for CSA or NOM listings. Some dimming and some compact lamp troffers may require electronic ballasts.

Miscellaneous Options

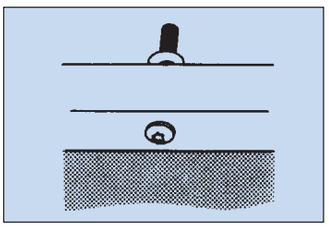
Tamper-Resistant Doors

Tamper-resistant Torx head T20H (with pin) screws to secure door to housing.

TPS	Torx head T20H screws – 1 per latch
TP4	Torx head T20H screws – 2 latch side/ 2 hinge side

Example: **2SP G 3 40 A12 120 ES *TPS***

Note: Four Torx head T20H screws are standard on VRS and VRT Series.



Spring Latches (Troffers and M Series only)

SLL	Spring-loaded latch option
SAL	Spring-action latch option for 2GT8 only.

Example: **2M 4 40 FW A12 120 ES *SLL***

Lamps Furnished and Installed (Troffers only)

LPESCW	Energy-saving cool white
LPESWW	Energy-saving warm white
LP730	Min. 70 CRI & 3000K color temp.
LP735	Min. 70 CRI & 3500K color temp.
LP741	Min. 70 CRI & 4100K color temp.
LP830	Min. 80 CRI & 3000K color temp.
LP835	Min. 80 CRI & 3500K color temp.
LP841	Min. 80 CRI & 4100K color temp.

Example: **2SP8 G 3 32 A12 120 GEB *LP735***

Radio Interference Filters

RIF	Inductive capacitor circuit designed to minimize interference from feedback into line. 120V or 277V, 50Hz or 60Hz. Order either one per fixture (RIF1) or one per ballast (RIF2).

Example: **2SP8 G 3 32 A12 277 GEB *RIF1***

EIS	Inductive capacitor circuit designed to minimize interference from feedback into line. Meets MIL-STD 461A/462/463. Order either one per fixture (EIS1) or one per ballast (EIS2).

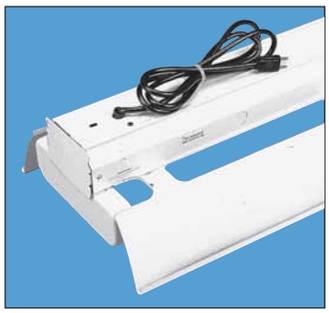
Example: **2SP8 G 3 32 A12 120 GEB *EIS2***

Cordsets

Grounded, three-wire cordsets (black) are 6' long, 18-gauge, with SJT insulation. Prewired to fixture. Others available; consult sales representative.

CS1	120V, U-ground plug (NEMA 5-15P)
CS3	120V, twist-lock plug (NEMA L5-15P)
CS7	277V, U-ground plug (NEMA 7-15P)
CS11	277V, twist-lock plug (NEMA L7-15P)
CS24	347V, twist-lock plug (NEMA L24-20P)

Example: **AF 2 96 277 *CS7***



Emergency Battery Packs

Factory-installed Lithonia Emergency Systems battery pack available for most fluorescent fixtures. See Emergency Systems section for lamp and ballast compatibility. Addition of an emergency option may increase fixture depth in some 2'x2' troffers. Consult factory.

UL Listed	*CSA Certified*	
EL	**B100C**	Fixture equipped for one-lamp emergency operation of 4' lamps. (PS300 installed)
EL5	**B90C**	Fixture equipped for one-lamp emergency operation of 4' lamps. (PS500 installed)
EL6	**B70C**	Fixture equipped for one-lamp or two-lamp emergency operation of 4' lamps and one-lamp emergency operation of 8' lamps. (PS600 installed)
EL14	**B50C**	Fixture equipped for one-lamp or two-lamp emergency operation of 4' lamps and one-lamp operation of 8' lamps. (PS1400 installed)
EM	**CEM**	Inverter only option. Fixture labeled for emergency use, no integral ballast.

Add suffix **DW** to catalog number to specify damp/wet listing. UL Listed only. Example: **EL6DW**

Packaging

JP – Job Pack Consult factory for availability.

Job-site load of fixtures on pallets, wrapped without individual cartons. Secured to pallet.

- No carton disposal.
- Faster and easier to unload.
- Superior protection – reduces handling damage.
- Paramax® and other Lithonia troffers G grid and MT modular trim only, packed with end protectors, secured to pallet by heavy-duty plastic.
- Industrials and strips protected by heavy-duty corrugated sheet and secured to pallet. Reflectors packed separately.

Add suffix JP to fixture catalog number. Factory will determine number of fixtures per pallet.

Example: **2GT8 4 32 A12 120 GEB *JP***

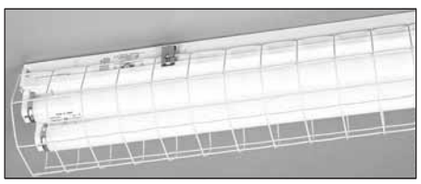


Wireguards (Order separately)

14-gauge baked white enamel, 4' long. Order two for 8' fixtures.

For use with:	Catalog number:
UN (with UNASR48 reflector)	**WGUNASR**
2UN (9" wide)	**WG2UN**
UNS/UND	**WGCUN**
C (with CASR48 reflector)	**WGCASR**
C (with CSMR48 reflector)	**WGCSMR**
S (with SASR48 reflector)	**WGSASR**
S (with SSMR48 reflector)	**WGSSMR**
S (without reflector)	**WGS**
AF, PV	**WGAFPV**
EJ (12" wide)	**WGJ**
2EJ (16" wide)	**WG2EJ**
L	**WGL**

For optional 11-gauge construction, add suffix 11 to catalog number. Example: **WGSASR*11***



Swivel-Stem Hangers (Order separately)

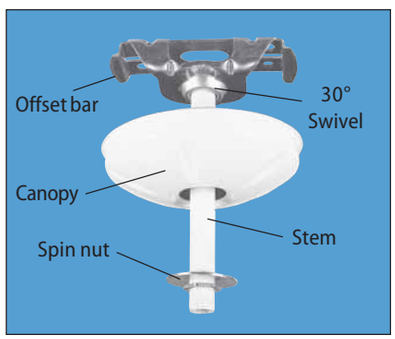
SQ_ Complete assembly with stem up to 48" (consult factory for longer lengths). Specify stem length in 2" increments and adjust as needed. 5/8" O.D. stem. Swivels 30° from vertical in any direction. Example: **SQ24**

HDSQ_ Complete heavy-duty assembly. Specify length in 2" increments and adjust as needed, swivels 45° from vertical. Example: **HDSQ36**

ST_ Pipe stem only. Specify length up to 60". Example: **ST18**

Q Canopy, offset bar and parts only.

ST_TBE Pipe stem only, threaded both ends. Coupler included. Specify length from 6" to 60". Example: **ST48TBE**.



Ceiling Spacer (Order separately)

1B Hanger spaces fixtures 1½" to 2½" from ceiling. For unit mounting, order two per fixture; for row mounting, order one per fixture plus one per row. Standard pack: 2, 20, 100.



Chain Hangers (Order separately)

HC Wire hook and 36" chain set, option or accessory. One pair per fixture furnished. Not compatible with fixtures over 5" wide.

Example: **UN 2 32 120 *HC*** or **HC36** (accessory)



Tong Hangers (Order separately)

Order by channel width. For unit or row mounting, order two per fixture. All tong (slide clamp) hangers are suitable for use with 3/8" or smaller mounting rods. Rods smaller than 3/8" diameter require use of appropriate washers (supplied by others). Standard pack: 2, 100.

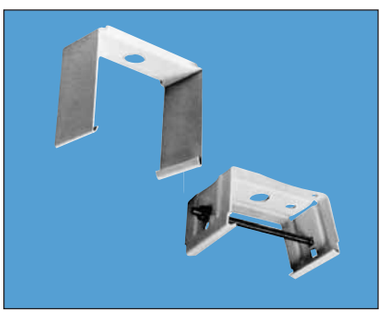
THUN Hanger for 5" channel

TH2UN Hanger for 9" channel

THC Hanger for $4^{3}/_{16}$" channel

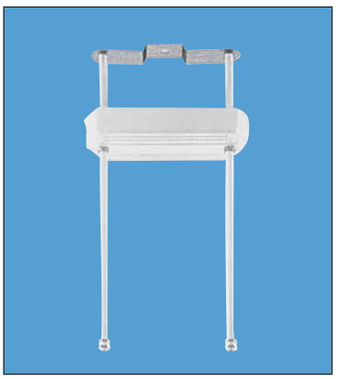
THK Hanger for $4^{9}/_{16}$" channel

THSR Hanger for 5" channel (uses carriage bolt mounting rod)



Double-Stem Hangers (Order separately)

DSH24 Complete assembly with double canopy and two 24" stems on 10" centers. For most 4' fixtures. Other stem lengths available.

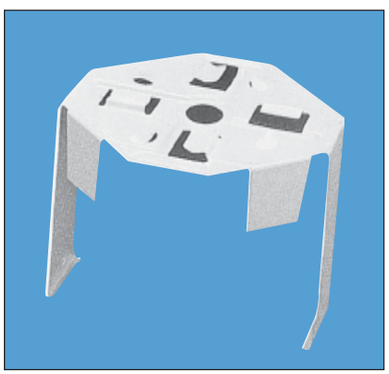


Hooker® Hangers (Order separately)

Patented, no-tools system for easy mounting to grid tee ceilings. For use with inverted tee exposed grid ceilings, nominal 1" wide.

- Hooks anywhere on grid – main tee, cross tee or intersection.
- Die-formed from heavy-gauge steel.
- Fixture can be mounted parallel or perpendicular to grid, flush to ceiling or 1½" below tee.

Two required per fixture. Standard pack: 10, 48.



lightquick® XD
Express delivery products.

See page11 for details about LightQuick XD.

Description
WGL
WGCUN
HC36

Number	Type of mounting	For use with
HRC	Flush to ceiling	CB, L, C and ALC fixtures with $4^{3}/_{16}$" wide and $2^{1}/_{16}$" deep channels.
HRC1	Spaced 1½" from ceiling	
HRUN	Flush to ceiling	PV, AF fixtures with 5" channels
HRUN1	Spaced 1½" from ceiling	
HRUNS1	Spaced 1½" from ceiling	UN, S, EJS

HOOKER® Hanger, Pat. No. 3,589,660

SPECLIGHT



High Performance and Specialty Fluorescent

High Efficiency Fluorescent Saves Energy

Superior optical design combined with lamp and ballast technology advancements have made fluorescent lighting one of the most efficient choices available today. Typical applications include retail, warehouse, commercial, gymnasium and industrial facilities.

Specialty Application Solutions

SpecLight's in-house design, engineering and testing capabilities provide custom and specialty application fluorescent luminaires. Custom reflector designs, special finishes and unique housings can be accommodated.

Induction Lamp Luminaires

SpecLight offers a wide variety of luminaires that utilize induction lamp technology for applications where maintenance accessibility is limited or for environments with high vibration.



SpecLight Offers NEW Induction Lamp Luminaires



FIB
High Bay



FIL
Low Bay



FIA
Recessed
Surface and Wall

CONTENTS

























Gymnasium High Bay 120

Fluorescent Gymnasium High Bay

Induction 121

Induction High Bay
Induction Low Bay

Cold Storage 122

Cold Storage Fluorescent

High Efficiency Strip 123

T5HO MIRO®4 Reflector
T8 MIRO®4 Reflector

Induction 124

Recessed 1, 2, 3 Lamp
Surface 1, 2, 3 Lamp
Wall Mount 1, 2, 3 Lamp

Heavy-Duty Unibody Industrial 125

Narrow T5HO, T8 Unibody
Medium T5HO, T8 Unibody

Parking Garage Luminaire 126

T5HO Broad Distribution

Architectural Recessed Indirect 127

Indirect Angled Sides
Indirect Perforated Curved Sides
Indirect Stepped Sides

Specification-Grade Gymnasium Fluorescent High Bay

FGB

Fluorescent High Bay Specular Reflector with Wireguard



Intended Use

Ideal replacement for HID high bay luminaires. Surface-mounted or suspended. Provides large-area lighting in a variety of photometric distributions designed specifically for gymnasiums and indoor sports facilities.

Features

Channel, ends and socket brackets are minimum 22-gauge cold-rolled steel, riveted and screwed. Tool-less ballast and wiring access.

Reflector is precision-formed, high performance, 95% total reflectance, segmented optics utilizing Alanod MIRO® 4 specular aluminum. Warranted for 25 years.

Finished in high-gloss baked white enamel, pretreated with a 5-stage iron phosphate system. Optional premium polyester powder coat is available. Galvanized steel finish also available.

Ballasts are electronic, energy-saving, thermally protected, UL Listed, Class P, CSA Certified where applicable, HPF, non-PCB, Sound Rating A. Ballasts comply with Federal Ballast Law (Public Law 100-357, 1988).

Lamp shielding options are provided with a 22ga., premium polyester powder coat finish with two painted hinges and two painted opposing rotary cam latches. Lenses are held in place with lens clips.

May be suspended by chain or cable or monopoint-mounted with appropriate accessories.

Lamps available in various CRI ratings, temperature colors and rated life. Secured with rotary locking lamp sockets to minimize disconnection from vibration or incidental contact.

Listings

UL Listed wire, rated for required temperatures, used throughout. Listed and conforms to UL 1598. Suitable for damp locations.

Custom Solutions

May be modified to meet any custom application. Contact your SpecLight representative for assistance.

Ordering Information

Example: **FGB24 6 54T5HO T1X12 MVOLT GEB10PS LP841**

Series/lamp configuration

FGB164 4	16"x4', 4-lamp profile
FGB24 6	2'x4', 6-lamp profile
FGB168 4	16"x8', 4-lamp profile
FGB28 6	2'x8', 6-lamp profile

Lamp type

32	32W T8 (48")
54T5HO	54W T5HO (46")

Photometric distribution

T1	Task beam 0.9≤SC<1.2
N1	Normal beam 1.2≤SC≤1.4
S1	Spread beam 1.4<SC≤1.8
B1	Broad beam 1.8<SC
F1	Focus beam SC<0.9[2]

Reflector

X12	MIRO® 4, 0.012"
X20U	Uplight, MIRO® 4, 0.020"
D20	White powder coat, 0.020"[1]
D20U	Uplight powder coat, 0.020"[1]

Lamp shielding (door)

(blank)	No shielding
A12	Pattern 12 acrylic, 0.110"
A12WG	Pattern 12 acrylic, 0.110" w/wireguard in door frame
ACL	Clear acrylic, 0.125"
NLWG	Wireguard in door frame
PCL125	Clear polycarbonate, 0.125"
ACLWG	Clear acrylic, 0.125" with wireguard in door

Voltage

MVOLT	
347	(T8 only)
HVOLT	(T5HO only)

Ballast configuration

(blank)	All 2-lamp ballasts
1/4	(1) 4-lamp ballast
1/41/2	(1) 4-lamp and (1) 2-lamp ballast
2/3	(2) 3-lamp ballasts

Ballast type

GEB10PS	1.0 BF, ≤10% THD, PRS (T5HO only)
GEB	Normal BF, ≤10% THD, IS (T8 only)
GEBH	High BF, ≤10% THD, IS (T8 only)
GEBL	Low BF, ≤10% THD, IS (T8 only)

Lamps (factory installed)

(blank)	No lamps
LP830	85 CRI, 3000°K, std. life
LP835	85 CRI, 3500°K, std. life
LP841	85 CRI, 4100°K, std. life
LP850	85 CRI, 5000°K, std. life

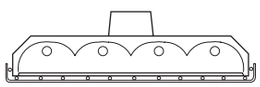
Amalgam lamps

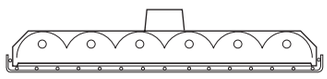
LP830A	82 CRI, 3000°K, (T5HO only)
LP835A	82 CRI, 3500°K, (T5HO only)
LP841A	82 CRI, 4100°K, (T5HO only)

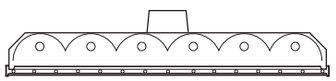
Options

AL	Aluminum construction, PAF
PAF	Powder coat after fabrication
WG	Wireguard, 11ga., PAF (external – no door required)
TC	Top protective cover
OUTCTR	Wiring leads through center of fixture (for use with Monopoint hanger when using hanger as a wiring connection point)

NOTES:
1 White powder coat reflector available only with a N1 (Normal beam) distribution.
2 Available with T5HO lamps only.


16" wide, 4-lamp open with wireguard


24" wide, 6-lamp open with wireguard


24" wide, 6-lamp lensed with wireguard in door

Accessories (order as separate catalog number)

MHYTGB10	Aircraft cable 10' Y hangers (1 pair)
HC36	Chain hanger 36"
THSD	Monopoint hanger with 3/4" KO
THSDHB	Monopoint hanger with 3/4" hub
THSDHBHKM	Monopoint hanger with male fixture hook
THSDSK	Side covers for Monopoint hanger (For use with Monopoint hanger when using hanger as a wiring connection point)

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Width	Height	Length
16"x4'	FGB164	4	32, 54T5HO	16"	4.7"	48"
2'x4'	FGB24	6		24"		96"
16"x8'	FGB168	(2) 4		16"		
2'x8'	FGB28	(2) 6		24"		

FIB FIL

Specular or Acrylic Reflector



Intended Use

FIB and FIL Series luminaires are the perfect replacement for HID high bays and low bays. Typical applications include industrial and manufacturing areas with high vibration or difficult maintenance. These luminaires are designed for large area lighting applications (5,000-1,000,000+ sq. ft.) and may be mounted at heights of 18' to 50'+.

Features

Channel, ends, socket brackets and ballast housings are manufactured from minimum 22-gauge cold-rolled steel, riveted and screwed assembly. Tool-less ballast and wiring access is provided.

The FIB luminaire may be suspended by chain or cable, or may be monopoint mounted with appropriate accessories. The FIL luminaire also is available with hook, cord and plug optional mounting hardware.

Finished in high-gloss baked white enamel, pretreated with a 5-stage iron phosphate system. Optional premium polyester powder coat is available. Galvanized steel finish also available.

Ballasts are electronic, energy-saving, thermally protected, UL Listed, Class P, CSA Certified where applicable, HPF, non-PCB, Sound Rating A. Ballasts comply with Federal Ballast Law (Public Law 100-357, 1988).

Reflector for FIB Series is precision formed, high performance, 95% total reflectance, segmented optics utilizing Alanod MIRO® 4 specular aluminum warranted for 25 years. Reflector for FIL Series is UV-stabilized, acrylic with 15-20% uplight.

Listings

UL Listed wire, rated for required temperatures, used throughout. Listed and conforms to UL 1598. Suitable for damp locations.

Custom Solutions

May be modified to meet any custom application. Contact your SpecLight representative for assistance.

Ordering Information

Example: **FIB23 3 150IL T1X32 MVOLT GIB150 LPS841**

Series

High bay series
- **FIB21** 2'x1.5' 1-lamp
- **FIB22** 2'x2.5' 2-lamp
- **FIB23** 2'x3.5' 3-lamp

Low bay series
- **FIL** 1-lamp

Number of lamps
- **1**
- **2**
- **3**

Photometric distribution
- **T1** Task beam 0.9 ≤SC<1.2[1] (FIB only)
- **N1** Normal beam 1.2≤SC≤1.4 (FIB only)
- (blank) FIL series

Lamp type
- **70IL** 70W induction
- **100IL** 100W induction
- **150IL** 150W induction

Reflectors

FIB reflectors
- **X32** MIRO®4, 0.032"

FIL reflectors
- **PA22** 22" open acrylic
- **PA22L** 22" lensed bottom, open top acrylic
- **PA22C** 22" enclosed acrylic with conical bottom lens
- **PA25** 25" open acrylic
- **PA25D** 25" enclosed acrylic with drop prismatic bottom lens

Voltage
- **MVOLT**

Ballast type
- **GIB100** 70W-100W ballast, ≤10% THD[2]
- **GIB150** 150W ballast, ≤10% THD

Lamps (factory installed)
- **LPS835** 80 CRI, 3500° K, Sylvania
- **LPS841** 80 CRI, 4100° K, Sylvania
- **LPS850** 80 CRI, 5000° K, Sylvania

Options

FIB high bay
- **AL** Aluminum construction, PAF
- **WG** Wireguard, 11 gauge, PAF

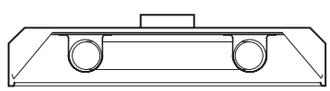
FIL low bay
- **HC3P** Hook, 3' cord, NEMA twist-lock plug

Finish
- **PAF** Powder coat after fabrication (must be specified)

NOTES:
1 Task beam available for high bay only.
2 GIB100 ballast runs 70W and 100W lamps.

Availability and Dimensions – FIB High Bay

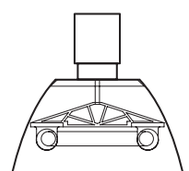
Nominal size	Series	Number of lamps	Lamp type	Width	Height	Length
2'x1.5'	FIB21	1				17"
2'x2.5'	FIB22	2	70W,100W,150W	24"	5.4	29"
2'x3.5'	FIB23	3				41"



FIB induction high bay

Availability and Dimensions – FIL Low Bay

Nominal size	Series	Number of lamps	Lamp type	Width	Height
22"	FIL PA22	1	70W,100W,150W	22.4"	26"
25"	FIL PA25	2		25.5"	



FIL induction low bay

Cold Storage Luminaire

FFB



Intended Use

Designed for cold storage areas to 0° F and may be mounted at heights of 15' to 40'. This fluorescent fixture is the perfect replacement for HID luminaires, and provides opportunities for significant reductions in energy consumption.

Features

Housing, channel, ends and socket brackets are manufactured from 22-gauge cold-rolled steel. Parts are assembled using rivets and screws with polyester powder coat after fabrication for surface protection from moisture. Tool-less ballast and wiring access.

Reflector is precision-formed, high performance, 95% total reflectance, segmented optics utilizing Alanod MIRO® 4 specular aluminum warranted for 25 years.

Lamp shielding options are provided with a 22ga. premium polyester powder coat finish door frame with two painted hinges and two painted opposing rotary cam latches. Lenses are held in place with lens clips. Fixture is provided with double gasketing around door frame and lens.

Finished in premium polyester powder coat finish, utilizing a 7-stage pretreatment process of iron phosphate, a non-chromium sealer and a de-ionized water rinse to provide superior adhesion and corrosion resistance.

Ballasts are electronic, energy saving, thermally protected, Class-P, HPF, non-PCB, Sound Rated A, UL Listed/CSA Certified where applicable and comply with Federal Ballast Law (Public Law 100-357, 1988).

May be surface mounted or may be suspended by chain or cable.

Lamps are available in various CRI ratings, temperature colors and rated life.

Listings

Electrical – UL listed wire, rated for required temperatures, used throughout. Listed and conforms to UL 1598. Suitable for damp locations.

Custom Solutions

May be modified to meet any custom application. Contact your SpecLight representative for assistance.

Ordering Information

Example: **FFB14 4 54T5HO T1X12 MVOLT GEB10PS LP841**

Series/lamp configuration

FFB14 4	1'x4', 4-lamp
FFB164 4	16"x4', 4-lamp
FFB24 6	2'x4', 6-lamp

Photometric distribution

T1	Task beam 0.9≤SC<1.2
N1	Normal beam 1.2≤SC≤1.4[1]
S1	Spread beam 1.4<SC≤1.8[1]
B1	Broad beam 1.8<SC[1]

Reflector

X12	MIRO® 4, 0.012"

Voltage

MVOLT	
347	(T8 only)
HVOLT	(T5HO only)

Ballast type

GEB10PS	1.0BF≤10% THD, PRS (T5HO only)
GEB	Normal BF, ≤10% THD, IS (T8 only)
GEBH	High BF, ≤10% THD, IS (T8 only)
GEBL	Low BF, ≤10% THD, IS (T8 only)

Lamps (factory installed)

(blank)	No lamps
LP830	85CRI, 3000°K, std. life
LP835	85CRI, 3500°K, std. life
LP841	85CRI, 4100°K, std. life
LP850	85CRI, 5000°K, std. life
Amalgam lamps	
LP830A	82CRI, 3000°K, std. life (T5HO only)
LP835A	82CRI, 4100°K, std. life (T5HO only)
LP841A	82CRI, 4100°K, std. life (T5HO only)

Lamp type

32	32W T8 (48")
54T5HO	54W T5HO (46")

Lamp shielding

A12	Pattern 12 acrylic, 0.110"
ACL	Clear acrylic, 0.125"
PCL125	Clear polycarbonate, 0.125"

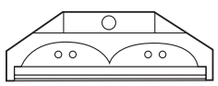
Ballast configuration

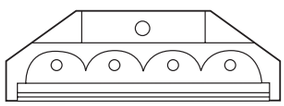
(blank)	All 2-lamp ballasts
1/4	(1) 4-lamp ballast
1/41/2	(1) 4-lamp & (1) 2-lamp ballast

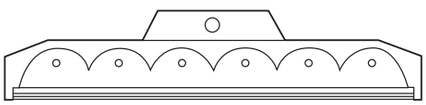
Options

AL	Aluminum construction, PAF
PAF	Powder coat after fabrication
WG	Wireguard, 11 ga., PAF (exterior mounting)
GLR	Internal fast blow fusing[2]

NOTES:
1 Not available for FFB14 Series.
2 Single voltage MUST be specified with this option.


12" wide, 4-lamp


16" wide, 4-lamp


24" wide, 6-lamp

Accessories (order as separate catalog number)

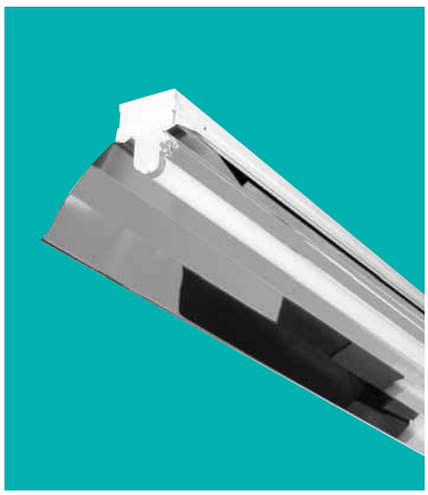
MHYTGB10	Aircraft cable 10' Y hangers (1 pair)
HC36	Chain hanger 36"

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Width	Height in.	Length
1'x4'	FFB14	4		12"		
16"x4'	FFB164	4	32, 54T5HO	16"	4.7"	48"
2'x4'	FFB24	6		24"		

FPI

Specular Reflector



Intended Use

High performance premium industrial for applications where optimum photometric performance is required. Surface-mounted or suspended. A wide selection of highly efficient reflectors is available for 1, 2 or 3-lamp cross-sections.

Features

Channel, ends and socket brackets are minimum 22-gauge cold-rolled steel. Snap-together components make installation fast and easy.

Reflector is precision-formed, high performance, 95% total reflectance, segmented optics utilizing Alanod MIRO® 4 specular aluminum. Warranted for 25 years.

Finished in high-gloss baked white enamel, pretreated with a 5-stage iron phosphate system. Optional premium polyester powder coat is available. Galvanized steel finish also available.

Ballasts are electronic, energy-saving, thermally protected, UL Listed, Class P, CSA Certified where applicable, HPF, non-PCB, Sound Rating A. Ballasts comply with Federal Ballast Law (Public Law 100-357, 1988).

May be suspended by chain or cable or surface mounted.

Lamps available in various CRI ratings, temperature colors and rated life. Secured with rotary locking lamp sockets to minimize disconnection from vibration or incidental contact.

Listings

UL Listed wire, rated for required temperatures, used throughout. Listed and conforms to UL 1598. Suitable for damp locations.

Custom Solutions

May be modified to meet any custom application. Contact your SpecLight representative for assistance.

Ordering Information

Example: **FPIM4 2 54T5HO F1X32 MVOLT GEB10PS WG**

Series

FPIT4	2"x4' channel
FPIT8	2"x8' channel
FPIN4	2.75"x4' channel
FPIN8	2.75"x8' channel
FPIM4	4.25"x4' channel
FPIM8	4.25"x8' channel

Lamp configuration

1	
2	
3	

Lamp type

32	32W T8 (48")
54T5HO	54W T5HO (46")

Photometric distribution

F1	Focus beam SC<0.9
T1	Task beam 0.9≤SC<1.2
N1	Normal beam 1.2≤SC≤1.4
S1	Spread beam 1.4<SC<1.8
B1	Broad beam 1.8<SC

See table below for available combinations.

Reflector[1]

X20	MIRO® 4, 0.020"
X32	MIRO® 4, 0.032"

Voltage

MVOLT	
347	(T8 only)
HVOLT	(T5HO only)

Ballast configuration

(blank)	All 2-lamp ballasts[2]
1/3	(1) 3-lamp ballast
1/4	(1) 4-lamp ballast
1/41/2	(1) 4-lamp ballast and (1) 2-lamp ballast
2/3	(2) 3-lamp ballast

Ballast type

GEB10PS	1.0BF≤10% THD, PRS (T5HO only)
GEB	Normal BF, ≤10% THD, IS (T8 only)
GEBH	High BF, ≤10% THD, IS (T8 only)
GEBL	Low BF, ≤10% THD, IS (T8 only)

Options

AL	Aluminum construction, PAF
GALV	Galvanized steel construction
PAF	Powder coat after fabrication
WG	Wireguard, 11 gauge, PAF (mounts to reflector)

NOTES:

1 Reflectors ship separately from channels.

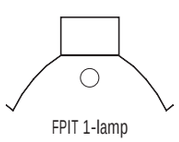
2 (blank) a 1-lamp fixture will be provided with (1) 1-lamp ballast; a 3-lamp fixture. will be provided with (1) 2-lamp ballast and (1) 1-lamp ballast.

Lamp/Reflector Availability and Dimensions (ONLY the combinations listed are available)

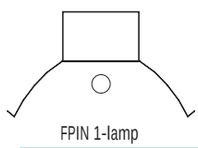
Fixture Series	Channel Width	Lamp Configuration	Lamp type	Photometric Distribution	Reflector Width	Length
FPIT4, FPIT8	2"	1	54T5HO	F1, N1	6.75"	48",96"
FPIN4, FPIN8	2.75"	1	54T5HO	F1	6.9"	48",96"
FPIN4, FPIN8	2.75"	1	32	F1	10"	48",96"
FPIN4, FPIN8	2.75"	1	32	T1, S1	6.75"	48",96"
FPIN4, FPIN8	2.75"	1	54T5HO	N1	5.8"	48",96"
FPIN4, FPIN8	2.75"	1	32	N1	7.25"	48",96"
FPIN4, FPIN8	2.75"	2	54T5HO	T1	7.1"	48",96"
FPIN4, FPIN8	2.75"	2	54T5HO	N1	6.2"	48",96"
FPIM4, FPIM8	4.25"	1	32	B1, N1	10.25"	48",96"

Lamp/Reflector Availability and Dimensions (ONLY the combinations listed are available)

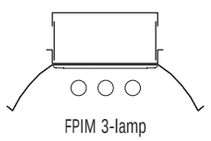
Fixture Series	Channel Width	Lamp Configuration	Lamp type	Photometric Distribution	Reflector Width	Length
FPIM4, FPIM8	4.25"	2	54T5HO	F1	7.6"	48",96"
FPIM4, FPIM8	4.25"	2	32	T1	8.62"	48",96"
FPIM4, FPIM8	4.25"	2	54T5HO	N1	7.3"	48",96"
FPIM4, FPIM8	4.25"	2, 3	32	N1	8.5"	48",96"
FPIM4, FPIM8	4.25"	2	32	S1	7.5"	48",96"
FPIM4, FPIM8	4.25"	2	32	B1	12.62"	48",96"
FPIM4, FPIM8	4.25"	3	32	T1	8.62"	48",96"
FPIM4, FPIM8	4.25"	3	54T5HO	N1	8"	48",96"
FPIM4, FPIM8	4.25"	3	54T5HO	S1	7.15"	48",96"



FPIT 1-lamp



FPIN 1-lamp



FPIM 3-lamp

Induction Recessed, Surface or Wall

FIA

Specular Reflector



Intended Use

FIA Series luminaires are the perfect replacement for HID recessed, surface and wall mounted fixtures. Typical applications include high ceiling lobbies and other areas with excessive vibration or difficult maintenance access. These luminaires are designed for large area lighting applications (5,000-1,000,000+ sq. ft.) and may be mounted at heights of 18′ to 50′.

Features

Channel, ends, socket brackets and ballast housings are manufactured from minimum 22-gauge cold-rolled steel, riveted and screwed assembly. Tool-less ballast and wiring access is provided.

Reflector is precision-formed, high performance, 95% total reflectance, segmented optics utilizing Alanod MIRO® 4 specular aluminum. Warranted for 25 years.

Finished in high-gloss baked white enamel, pretreated with a 5-stage iron phosphate system. Optional premium polyester powder coat is available.

Ballasts are electronic, energy-saving, thermally protected, UL Listed, Class P, CSA Certified where applicable, HPF, non-PCB, Sound Rating A. Ballasts comply with Federal Ballast Law (Public Law 100-357, 1988).

The FIA recessed luminaire is designed for mounting to NEMA G grid ceilings. Drywall grid adapter frames are available.

Lamps are available various CRI ratings and temperature colors.

Listings

UL Listed wire, rated for required temperatures, used throughout. Listed and conforms to UL 1598. Suitable for damp locations.

Custom Solutions

May be modified to meet any custom application. Contact your SpecLight representative for assistance.

Ordering Information

Example: **FIA22 2 150IL N1X32 9LD MVOLT GIB150 LPS841**

High bay series

FIA22	2'x2' recessed
FIA24	2'x4' recessed
FIAW22	2'x2' wall mount
FIAW24	2'x4' wall mount
FIAS22	2'x2' surface mount
FIAS24	2'x4' surface mount

Number of lamps

1	1-lamp (2x2 only)
2	2-lamp
3	1-lamp (2x4 only)

Lamp type

70IL	70W induction
100IL	100W induction
150IL	150W induction

Photometric distribution

N1	Normal beam 1.2 ≤ SC ≤ 1.4

Reflector

X32	MIRO® 4, 0.032"

Lamp shielding

DRWACF	2" deep regress white w/0.08" frosted white acrylic lens
DRWA12	2" deep regress white w/0.012" pattern 12 acrylic
9LD	3" deep 9-cell louver (2x2 only)[1]
16LD	3" deep 16-cell louver (2x2 only)[1]
18LD	3" deep 18-cell louver (2x4 only)[1]
32LD	3" deep 32-cell louver (2x4 only)[1]

Voltage

MVOLT	

Ballast type

GIB100	70-100W ballast, ≤10% THD[2]
GIB150	150W ballast, ≤10% THD

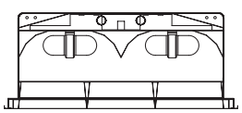
Lamp (factory installed)

LPS835	80 CRI, 3500°K, Sylvania
LPS841	80 CRI, 4100°K, Sylvania
LPS850	80 CRI, 5000°K, Sylvania

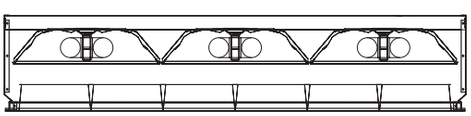
Options

AL	Aluminum construction, PAF
WG	Wireguard, 11 gauge, PAF
PAF	Powder coat after fabrication

NOTES:
1 Louvers are anodized, semi-specular low iridescent aluminum.
2 GIB100 ballast runs 70W and 100W lamps



FIA 2-lamp profile 2x2



FIA 3-lamp profile 2x4

Availability and Dimensions 2'X2' FIA, FIAW and FIAS

Nominal size	Series	Number of lamps	Lamp type	Width	Height in.	Length
2'x2'	FIA22 FIAW22 FIAS22	1,2	70W, 100W and 150W Induction	24"	10"	48"

Availability and Dimensions 2'X4' FIA, FIAW and FIAS

Nominal size	Series	Number of lamps	Lamp type	Width	Height in.	Length
2'x4'	FIA24 FIAW24 FIAS24	2, 3	70W, 100W and 150W Induction	24"	10"	48"

FTS, FHI

Specular Reflector

Intended Use

Unibody industrial for demanding applications features one-piece housing with riveted end caps. Surface-mounted or suspended. Provides large-area lighting in a variety of photometric distributions for retail, warehouse, industrial, commercial and manufacturing areas.

Features

Channel, ends and socket brackets are minimum 22-gauge cold-rolled steel, riveted and screwed. Tool-less ballast and wiring access.

Reflector is precision-formed, high performance, 95% total reflectance, segmented optics utilizing Alanod MIRO® 4 specular aluminum. Warranted for 25 years.

Finished in high-gloss baked white enamel, pretreated with a 5-stage iron phosphate system. Optional premium polyester powder coat is available. Galvanized steel finish also available.

Ballasts are electronic, energy-saving, thermally protected, UL Listed, Class P, CSA Certified where applicable, HPF, non-PCB, Sound Rating A. Ballasts comply with Federal Ballast Law (Public Law 100-357, 1988).

May be suspended by chain or cable or surface-mounted.

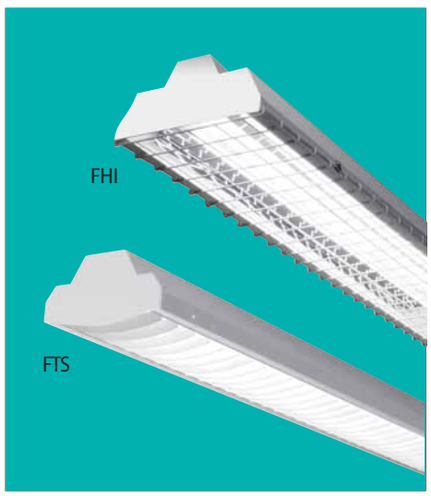
Lamps available in various CRI ratings, temperature colors and rated life. Secured with rotary locking lamp sockets to minimize disconnection from vibration or incidental contact.

Listings

UL Listed wire, rated for required temperatures, used throughout. Listed and conforms to UL 1598. Suitable for damp locations.

Custom Solutions

May be modified to meet any custom application. Contact your SpecLight representative for assistance.



Ordering Information

Example: **FTS8 2 54T5HO T1X20 BAF75 MVOLT GEB10PS**

Series

FTS4	7.5"x4'
FTS8	7.5"x8'
FHI4	1'x4'
FHI8	1'x8'

Lamp configuration

1[1]	
2	
3[2]	

Photometric distribution

(blank)	No reflector (FTS only)
T1	Task beam
N1	Normal beam
S1	Spread beam
A1	Assymetric beam

Lamp type

28T5	F28T5
54T5HO	F54T5HO
32	F32T8

Reflector

(blank)	No reflector[3]
X12	MIRO®4, 0.012"
X12U	Uplight, MIRO®4, 0.012"
X20	MIRO®4, 0.020"
X20U	Uplight, MIRO®4, 0.012"
D20	White powder coat, 0.020[4]
D20U	Uplight, white powder coat[4]

Lamp shielding

(blank)	No shield
A12	Pattern 12 acrylic, 0.110"
ACL	Clear acrylic, 0.125"
BAF75	White baffle, 0.75" ht., 1.5" spacing, curved (FTS only)
PCL062	Clear polycarbonate, 0.062"
BAF1	White baffle, 1"hx2" spacing (FHI only)

Voltage

MVOLT	
347	(T8 only)
HVOLT	(T5HO only)

Lamps (factory installed)

(blank)	No lamps
LP830	85 CRI, 3000°K, standard life
LP835	85 CRI, 3500°K, standard life
LP841	85 CRI, 4100°K, standard life
LP850	85 CRI, 5000°K, standard life

Ballast type

GEB10PS	1.0BF, ≤10% THD, PRS (T5HO only)
GEB	Normal BF, ≤20% THD, IS (T8 only)
GEBH	High BF, ≤20% THD, IS (T8 only)
GEBL	Low BF, ≤20% THD, IS (T8 only)

Ballast configuration

(blank)	All 2-lamp ballasts
1/3	(1) 3-lamp ballast
1/4	(1) 4-lamp ballast
1/41/2	(1) 4-lamp and (1) 2-lamp ballast
2/3	(2) 3-lamp ballast

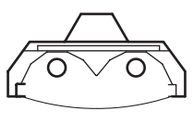
Options

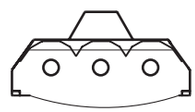
AL	Aluminum construction, PAF
PAF	Powder coat after fabrication
WG	Wireguard, 11 gauge, PAF

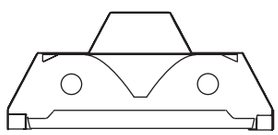
NOTES:
1 Available only with FTS Series.
2 Not available with FTS T8 fixture.
3 Available only with FTS T5HO fixture.
4 Available only with a normal beam distribution.

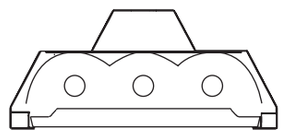
Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Width	Height in.	Length
7.5"x4'	FTS4	1,2,3	28T5, 54T5HO	7.5"	4"	48"
7.5"x8'	FTS8	1,2	32	7.5"	4"	96"
1'x4'	FHI4	2,3	28T5, 54T5HO	11"	6.5"	48"
1'x8'	FHI8	2,3	32	11"	6.5"	96"


FTS 2-lamp


FTS 3-lamp


FHI 2-lamp


FHI 3-lamp

FPG

Specular Reflector



Intended Use

The FPG Series is designed for parking structures when mounted parallel with the drive lanes. The luminaire produces a very broad distribution across the drive lane while minimizing glare in the driver's eyes.

Features

The backplate is manufactured from minimum 20-gauge cold-rolled steel, riveted and screwed assembly for rigidity. Optional all aluminum construction is available – Specify AL and PAF. Optional heavy-gauge steel backplate is available – specify 18GA or 16GA.

Reflector is precision-formed, high performance, 95% total reflectance, segmented optics utilizing Alanod MIRO® 4 specular aluminum. Warranted for 25 years.

Finished in high-gloss baked white enamel, pretreated with a 5-stage iron phosphate system. Optional premium polyester powder coat is available.

Ballasts are electronic, energy-saving, thermally protected, UL Listed, Class P, CSA Certified where applicable, HPF, non-PCB, Sound Rating A. Ballasts comply with Federal Ballast Law (Public Law 100-357, 1988).

The luminaire is designed for surface mounting. Surface conduit entry is available – specify SCE.

Lamps available in various CRI ratings, temperature colors and rated life. Secured with rotary locking lamp sockets to minimize disconnection from vibration or incidental contact.

Listings

UL Listed wire, rated for required temperatures, used throughout. Listed and conforms to UL 1598. Suitable for damp locations.

Custom Solutions

May be modified to meet any custom application. Contact your SpecLight representative for assistance.

Ordering Information

Example: **FPG4 2 54T5HO B1X20 MVOLT GEB10PS LP841**

Series
- **FPG2** 9"x25"
- **FPG4** 9"x49"

Lamp configuration
- **2**

Lamp type
- **14T5** 14W T5 (23")[1]
- **28T5** 28W T5 (46")[2]
- **24T5HO** 24W T5HO (23")[1]
- **54T5HO** 54W T5HO (46")[2]
- **17** 17W T8 (24")[1]
- **32** 32W T8 (48")[2]

Photometric distribution
- **B1** Broad beam 1.8<SC

Reflector
- **X20** MIRO® 4, 0.020"

Lamp shielding
- (blank) Solid-end lens
- **SCE** Surface conduit entry

Voltage
- **MVOLT**
- **347** (T8 only)
- **HVOLT** (T5HO only)

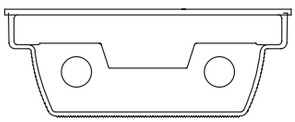
Ballast type
- **GEB10PS** 1.0BF≤10% THD, PRS (T5HO only)
- **GEB** Normal BF, ≤20% THD, IS (T8 only)
- **GEBH** High BF, ≤20% THD, IS (T8 only)

Lamps (factory installed)
- (blank) No lamps
- **LP830** 85 CRI, 3000°K, standard life
- **LP835** 85 CRI, 3500°K, standard life
- **LP841** 85 CRI, 4100°K, standard life
- **LP850** 85 CRI, 5000°K, standard life

Amalgam lamps
- **LP830A** 82 CRI, 3000°K, (T5HO only)
- **LP835A** 82 CRI, 3500°K, (T5HO only)
- **LP841A** 82 CRI, 4100°K, (T5HO only)

Options
- **PAF** Powder coat after fabrication
- **16GA** 16-gauge backplate
- **18GA** 18-gauge backplate

NOTES:
1 Available only with 2' fixtures.
2 Available only with 4' fixture.



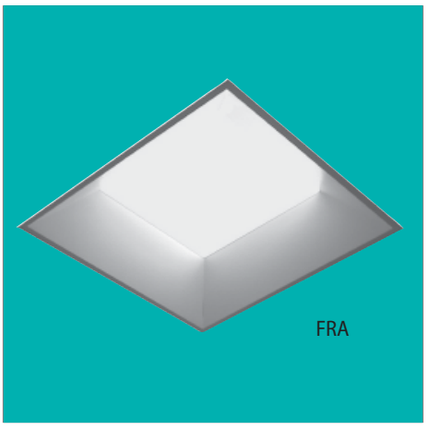
9" wide 2-lamp

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Width	Height	Length
9"x25"	FPG2	2	17, 14T5, 24T5HO	9"	3"	25"
9"x49"	FPG4		32, 28T5, 54T5HO			49"

FRA, FRC, FRS

Angled, Perforated or Stepped Sides



Intended Use

SpecLight's architecturally attractive FRA, FRC and FRS Series luminaires provide comfortable, indirect, low-glare lighting for executive offices, conference rooms, meeting rooms and entryways. These fixtures provide a simple, yet elegant recessed source of illumination, and create a diffused skylight appearance.

Features

The fixture body is fully assembled from minimum 22-gauge cold-rolled steel for maximum rigidity.

- FRA features an angled perimeter frame.
- FRC features perforated curved side frame.
- FRS features a stepped perimeter frame.

Reflector is precision-formed, high performance, 95% total reflectance, segmented optics utilizing Alanod MIRO® 4 specular aluminum. Warranted for 25 years.

Finish is premium polyester powder coat utilizing a 7-stage pretreatment process of iron phosphate, a non-chromium sealer and a de-ionized water rinse to provide superior adhesion and corrosion resistance.

Ballasts are electronic, energy-saving, thermally protected, UL Listed, Class P, CSA Certified where applicable, HPF, non-PCB, Sound Rating A. Ballasts comply with Federal Ballast Law (Public Law 100-357, 1988).

Mounts in a grid ceiling. Drywall grid adapter accessory is available.

Lamps available in various CRI ratings, temperature colors and rated life. Secured with rotary locking lamp sockets to minimize disconnection from vibration or incidental contact.

Listings

UL Listed wire, rated for required temperatures, used throughout. Listed and conforms to UL 1598. Suitable for damp locations.

Custom Solutions

May be modified to meet any custom application. Contact your SpecLight representative for assistance.

Ordering Information

Example: **FRC22 G 4 24T5HO MVOLT GEB10PS LP841 SWR**

Series

Angled sides
- **FRA22** 2'x2'
- **FRA33** 3'x3'
- **FRA44** 4'x4'

Stepped sides
- **FRS22** 2'x2'
- **FRS33** 3'x3
- **FRS44** 4'x4'

Curved perforated sides
- **FRC22** 2'x2'
- **FRC33** 3'x3'
- **FRC44** 4'x4'

Trim type

G

Number of lamps

4

Lamp type/wattage

13T5	F13T5[1]
24T5HO	F24T5HO[1]
CF36	FT36[1]
21T5	F21T5[2]
39T5HO	F39T5HO[2]
17	F17T8[2]
28T5	F28T5[3]
54T5HO	F54T5HO[3]
25	F25T8[3]

Voltage

- **MVOLT**
- **347** (T8 only)
- **HVOLT** (T5HO only)

Ballast configuration

- (blank) All 2-lamp ballast
- **1/4** (1) 4-lamp ballast

Ballast type

- **GEB10PS** 1.0BF≤10% THD, PRS (T5HO only)
- **GEB** Normal BF, ≤20% THD, IS (T8 & CF only)
- **GEB10** Normal BF, ≤10% THD, IS (T8 and CF only)

Lamps (factory installed)

- (blank) No lamps
- **LP830** 85, CRI, 3000°K, standard life
- **LP835** 85, CRI, 3500°K, standard life
- **LP841** 85, CRI, 4100°K, standard life
- **LP850** 85, CRI, 5000°K, standard life

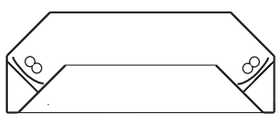
Finish

- **SWR** Micro-textured low brightness rice powder coat (must be specified)

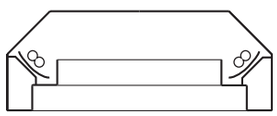
NOTES:
1 Available with 2'x2' fixture only.
2 Available with 3'x3' fixture only.
3 Available with 4'x4' fixture only.

Availability and Dimensions

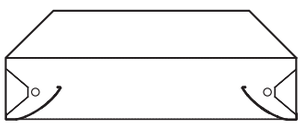
Nominal size	Series	Number of lamps	Lamp type	Width	Height	Length
2x2	FRA22, FRS22, FRC22	4	13T5, 24T5HO, CF36	24"		24"
3x3	FRA33, FRS33, FRC33	4	21T5, 39T5HO, 17	36"	9"	36"
4x4	FRA44, FRS44, FRC44	4	28T5, 54T5HO, 25	48"		48"



FRA 2'



FRS 2'



FRC 2'

PEERLESS®

Architectural Lighting



For generations the name Peerless® has been synonymous with contemporary design and an extraordinary quality of illumination. Through our continuing research into how light influences a space and the people who inhabit it , Peerless products are engineered for superior results. Technologically advanced luminaires control and emit a soft, natural light, offering a refined balance of visual comfort, dimensionality and drama within an architectural setting.

PEERLESS®





Featured on this page (clockwise from upper left) are Lightfoil® 3, Lightedge® Curved Indirect/Open, Lightline™ Recessed Symmetric and Lightfoil® 2 luminaires.
For more information, visit our website at www.peerless-lighting.com.





PEERLESS®

CONTENTS

Lightfoil®
Lightfoil®2 132
Lightfoil®3 133

Lightline™
Lightline™ Wall Wash 134
Lightline™ Symmetric Recessed 135
Lightline™ Asymmetric 136
Lightline™ Suspended 137

Parallels™ 138

Lightedge®
Lightedge® Angular 139
Lightedge® Curved 141
Lightedge® ID 143
Lightedge® Rectangular 146
Lightedge® Wall 140,142,145,147

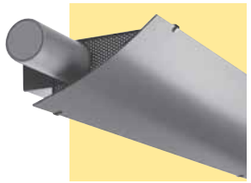
Mirage® 148

Lightfin® 149
Lightfin® Wall 150

Lightduct® 151
Lightduct® Wall 152

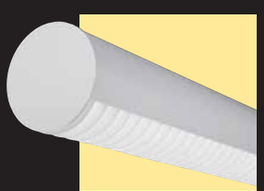
Envision® 153
Envision® Wall 155
Envision® Cove 156
LD6 157

LD9 158



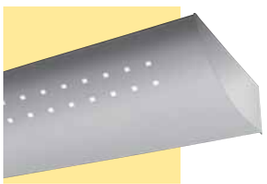


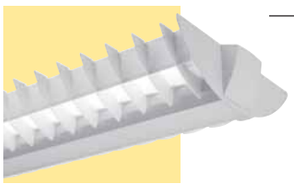


CONTENTS

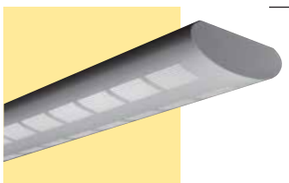


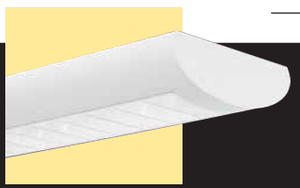














Cerra®

Cerra® 7 160
Cerra® 10 161
Cerra® ID 162
Cerra® Lightvent 163
Cerra® Accessories 164
Cerra® Wall 165

Cerra® Baffle 166
Cerra® Baffle Wall 167

Cerra® Direct 168
Cerra® Direct Accents 170

Peerlite Aero® 171

Enzo® 172

Prima® 173
Prima® ID 174

HOT-5® Cove 175

Installation Guide 176

Asymmetric Foil

Lightfoil®2

Intended Use

The form is minimal, sculptured, tastefully refined. Cylinder, block and foil shapes merge and blend discreetly with surrounding architecture, offering a singular visual element that complements and accommodates. The optical design is a remarkable accomplishment. No other system delivers light so abundantly, so smoothly, so efficiently for contemporary medium-scale environments. This is architectural surface lighting in its most advanced state.

Construction
Housing & cylinder AA 6063 T6 extruded aluminum. Foil is Reynobond® (Alcoa) composite, consisting of two sheets of corrosion-resistant aluminum laminated to an extruded thermoplastic core material.

Reflectors
Die-formed reflectors combine semi-specular aluminum and baked white enamel.

Finish
Housing and cylinders powder coated. Foil available in bronze, silver or white finishes.

Electrical
Specify 120 volt, 277 volt or 347 volt. For special circuiting, consult factory.

Listings
UL Listed to US and Canadian safety standards (dry location only).

Ordering Information

Example: **4 LF2FW 2 24T5HO U2 120 GEB10 SCT L/LP C224**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
LF2FW

Number of lamps in cross section
1
2

Lamp type
24T5HO 24W 2′ T5HO
39T5HO 39W 3′ T5HO
54T5HO 54W 4′ T5HO
80T5HO 80W 5′ T5HO
14T5 14W 2′ T5
21T5 21W 3′ T5
28T5 28W 4′ T5

Nominal length
U2 2′
U3 3′
U4 4′
U5 5′

Voltage
120
277
347

Ballast type
GEB10 10% THD ballast
Dimming ballasts[1]
ADEZ Advance Mark 10[2]
ECO10 Lutron ECO10
DMHL Lutron Hi-Lume
ADZT Advance Mark 7[2]
OSDIM Osram 0-10V[2]

Emergency options[3]
EL Emergency battery pack[1]
EC Emergency circuit night-light
EN Emergency battery pack in the night-light circuit[1]

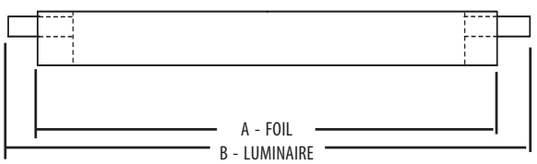
Switching
SCT Single circuit
DCT Dual circuit

Lamp color
L/LP No lamp
LP830 3000°K 80+ CRI
LP835 3500°K 80+ CRI (standard)
LP841 4100°K 80+ CRI

Foil finish
C222 Bronze
C223 Silver
C224 White

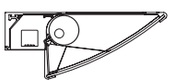
Options
GLR Fast blow fuse
GMF Slow blow fuse
FEP Flat endplate (no cylinder)

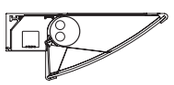
NOTES:
1 54T5HO only.
2 Not available in 2′, 3′ or 5′ T5HO.
3 EL, EN and EC only available with SCT.





LUMINAIRE CROSS SECTIONS


LF2FW – 1 T5/T5HO lamp


LF2FW –2 T5/T5HO lamps

	A	B
LF2FW 24W and LF3FW 24W	35"	43"
LF2FW 39W and LF3FW 39W	45"	53"
LF2FW 54W and LF3FW 54W	57"	65"
LF2FW 80W and LF3FW 80W	69"	76"

Lightfoil®3

Intended Use

The form is minimal, sculptured, tastefully refined. Cylinder, block and foil shapes merge and blend discreetly with surrounding architecture, offering a singular visual element that complements and accommodates. The optical design is a remarkable accomplishment. No other system delivers light so abundantly, so smoothly, so efficiently for contemporary large-scale environments. This is architectural surface lighting in its most advanced state.

Construction
Housing & cylinder AA 6063 T6 extruded aluminum. Foil is Reynobond® (Alcoa) composite, consisting of two sheets of corrosion-resistant aluminum laminated to an extruded thermoplastic core material.

Reflectors
Die-formed reflectors combine semi-specular aluminum and baked white enamel.

Finish
Housing and cylinders powder coated. Foil available in bronze, silver or white finishes.

Electrical
Specify 120 volt, 277 volt or 347 volt. For special circuiting, consult factory.

Listings
UL Listed to US and Canadian safety standards (dry location only).

Ordering Information

Example: **4 LF3FW 3 24T5HO U2 120 GEB10 SCT L/LP C224**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
LF3FW

Number of lamps in cross section
3
4

Lamp type

24T5HO	24W 2' T5HO
39T5HO	39W 3' T5HO
54T5HO	54W 4' T5HO
80T5HO	80W 5' T5HO
14T5	14W 2' T5
21T5	21W 3' T5
28T5	28W 4' T5

Nominal length

U2	2'
U3	3'
U4	4'
U5	5'

Voltage
120
277
347

Ballast type

GEB10	10% THD ballast
Dimming ballasts[1]	
ADEZ	Advance Mark 10[2]
ECO10	Lutron ECO10
DHML	Lutron Hi-Lume
ADZT	Advance Mark 7[2]
OSDIM	Osram O-10V[2]

Emergency options[3]

EL	Emergency battery pack[1]
EC	Emergency circuit night-light
EN	Emergency battery pack in the night-light circuit[1]

Switching

SCT	Single circuit
DCT	Dual circuit

Lamp color

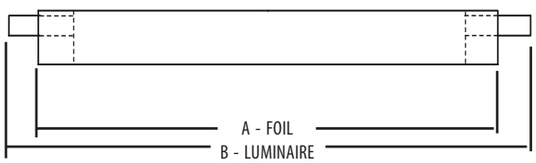
L/LP	No lamp
LP830	3000°K 80+ CRI
LP835	3500°K 80+ CRI (standard)
LP841	4100°K 80+ CRI

Foil finish

C222	Bronze
C223	Silver
C224	White

Options

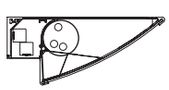
GLR	Fast blow fuse
GMF	Slow blow fuse
FEP	Flat endplate (no cylinder)

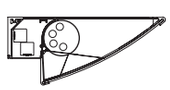


NOTES:
1 54T5HO only.
2 Not available in 2', 3' or 5' T5HO.
3 EL, EN and EC only available with SCT.

	A	B
LF2FW 24W and LF3FW 24W	35"	43"
LF2FW 39W and LF3FW 39W	45"	53"
LF2FW 54W and LF3FW 54W	57"	65"
LF2FW 80W and LF3FW 80W	69"	76"

LUMINAIRE CROSS SECTIONS


LF3FW – 3 T5/T5HO lamps


LF3FW – 4 T5/T5HO lamps



2½" Aperture

Lightline™ Wall Wash

Intended Use

The Lightline™ Wall Wash Series brings HOT-5® technology to a recessed environment. Built with a precise specular, asymmetric, aluminum reflector, the Lightline™ Wall Wash luminaire tames the powerful T5HO lamp and the result is a wall bathed with soft, comfortable light.

Construction
Housing is formed from painted cold-rolled steel. Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss baked enamel.

Reflectors
Die-formed reflector with baked white enamel finish. Nominal reflectance 90%. Black metal diffuser with round holes.

Electrical
Specify 120 volt , 277 volt or 347 volt. For special circuiting, consult factory.

Fixture Size
Nominal 2½" aperture. 2' and 4' lengths available.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 LWR9 G 1 54T5HO HOL U4 120 GEB10 L/LP**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **LWR9** Asymmetric recessed

Ceiling type
- **G** Lay-in grid

Number of lamps in cross section
- **1**

Lamp type
- **24T5HO** 24W 2' T5HO
- **54T5HO** 54W 4' T5HO
- **28T5** 28W 4' T5
- **14T5** 14W 2' T5

Reflector/shielding
- **HOL** Black metal diffuser with round holes

Nominal length
- **U2** 2'
- **U4** 4'

Voltage
- **120**
- **277**
- **347**

Ballast type
- **GEB10** 10% THD ballast

Dimming ballasts
- **ADEZ** Advance Mark 10[1]
- **ADZT** Advance Mark 7[1]
- **ECO10** Lutron ECO 10
- **DHML** Lutron Hi-Lume[1]
- **OSDIM** Osram 0-10V[1]

Emergency options
- **EL** Emergency battery pack[2]

Lamp color
- **L/LP** No lamp
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

Options
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **CP** Chicago plenum
- **NYC** New York City

NOTES:
1 Only available with 54T5HO.
2 Only available with 28T5 and 54T5HO.

Accessories	(Order separately)
DHSGS2	Gyp-board flange kit 2'
DHSGS4	Gyp-board flange kit 4'



LUMINAIRE CROSS SECTIONS



LWR9 – 1 T5/T5HO lamp

Lightline™ Symmetric Recessed

Intended Use

Seamlessly sleek, delicate and discrete. Delight in an aesthetically refined, recessed luminaire. HOT-5® technology harmonized with the luminaire's thread-like aperture delivers unobtrusive, balanced downlight. The Lightline™ Symmetric Recessed luminaire is part of the Lightline family of products designed around ultra-slim T5HO lamps. The Lightline™ Series brings a discrete, narrow aesthetic to a variety of architecture.

Construction
Housing is formed from one-piece painted cold-rolled steel. Four-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts are finished with low-gloss baked enamel.

Reflectors
Die-formed reflector with baked white enamel finish. Nominal reflectance 90%.

Shielding
Arc-shaped, parabolic low iridescent semi-specular aluminum louver.

Electrical
Specify 120 volt , 277 volt or 347[2] volt. For special circuiting, consult factory.

Fixture Size
Nominal 2½" aperture. 2' and 4' lengths available.

Listing
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 LSR9 G 1 54T5HO LDL U4 120 GEB10 L/LP**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **LSR9** Symmetric recessed

Ceiling type
- **G** Lay-in grid

Number of lamps in cross section
- **1**

Lamp type
- **24T5HO** 24W 2' T5HO
- **54T5HO** 54W 4' T5HO
- **14T5** 14W 2' T5
- **28T5** 28W 4' T5

Reflector/shielding
- **LDL** Low iridescent louver

Nominal length
- **U2** 2'
- **U4** 4'

Voltage
- **120**
- **277**
- **347**[1]

Ballast type
- **GEB10** 10% THD ballast

Dimming ballasts[1]
- **ADEZ** Advance Mark 10
- **ADZT** Advance Mark 7
- **ECO10** Lutron ECO 10
- **DMHL** Lutron Hi-Lume (DIM1)
- **OSDIM** Osram 0-10V

Emergency options
- **EL** Emergency battery pack[2]

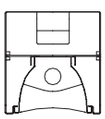
Lamp color
- **L/LP** No lamp
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

Options
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **CP** Chicago plenum
- **NYC** New York City

NOTES:
1 Only available with 54T5HO.
2 Only available with 28T5 and 54T5HO.

Accessories (Order separately)
- **DHSGS2** Gyp-board flange kit 2'
- **DHSGS4** Gyp-board flange kit 4'

LUMINAIRE CROSS SECTIONS



LSR9 – 1 T5/T5HO lamp



2½" Aperture

Lightline™ Asymmetric

Available Summer 2006

Intended Use

Seamlessly sleek, delicate and discrete. Delight in an aesthetically refined, recessed asymmetric luminaire. HOT-5® technology harmonized with Lightline's thread-like aperture delivers unobtrusive, balanced asymmetric light. The Lightline™ Asymmetric Recessed Series is part of the Lightline™ family of products designed around ultra-slim T5HO lamps. Lightline luminaires bring a discrete, narrow aesthetic to a variety of architecture.

Construction
Housing is formed from one-piece painted cold-rolled steel. Four-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts are finished with low-gloss baked enamel.

Reflectors
Die-formed reflector with baked white enamel finish. Nominal reflectance 90%.

Shielding
Arc-shaped, parabolic low iridescent semi-specular aluminum louver.

Electrical
Specify 120 volt , 277 volt or 347[2] volt. For special circuiting, consult factory.

Fixture Size
Nominal 2½" aperture. 2' and 4' lengths available.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 LAR9 G 1 54T5HO LDL U4 120 GEB10 L/LP**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
LAR9 Asymmetric recessed

Ceiling type
G Lay-in grid

Number of lamps in cross section
1

Lamp type
24T5HO 24W 2' T5HO
54T5HO 54W 4' T5HO
14T5 14W 2' T5
28T5 28W 4' T5

Reflector/shielding
LDL Low iridescent louver

Nominal length
U2 2'
U4 4'

Voltage
120
277
347[1]

Ballast type
GEB10 10% THD ballast
Dimming ballasts[2]
ADEZ Advance Mark 10
ADZT Advance Mark 7
ECO10 Lutron ECO 10
OSDIM Osram 0-10V
DMHL Lutron Hi-Lume (DIM1)

Emergency type (optional)
EL Emergency battery pack[2]

Lamp color
L/LP No lamp
LP830 3000°K 80+ CRI
LP835 3500°K 80+ CRI
LP841 4100°K 80+ CRI

Options
GLR Fast blow fuse
GMF Slow blow fuse
CP Chicago plenum

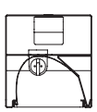
NOTES:
1 Only available with 54T5HO.
2 Only available with 28T5 and 54T5HO.

Accessories (Order separately)
DHSGS2 Gyp-board flange kit 2'
DHSGS4 Gyp-board flange kit 4'

NEW



LUMINAIRE CROSS SECTIONS



LAR9 – 1 T5/T5HO lamp

Lightline™ Suspended

Intended Use

The Lightline™ Series satisfies all requirements for high-quality indirect light distribution, continuous lamping, low-brightness downlight components and powerful lumen packages. At the same time, it offers minimal fixture widths and profiles, layout and configuration flexibility, and elegant mechanical detailing. Whether straight runs or rectangles, nested patterns or ladder configurations, the Lightline™ system allows an unexpected level of design freedom.

Finish
Standard colors are satin anodized aluminum, standard white (low gloss), white white (gloss) and white white (low gloss).

Contruction
Housing AA 6063 T6 extruded aluminum forming a 2-3/4"x 2-1/2" rectangular channel. Die-cast end plate mechanically attached with no exposed fasteners.

Reflectors
Die-formed reflectors combine hammertone specular aluminum and baked white enamel (86% nominal reflectance).

Fixture Length
Specify nominal fixture/row length in feet. For long runs, advise maximum extrusion length if 12' is not acceptable. 4', 8' or 12' nominal sections used to create runs.

Electrical
Specify 120 volt, 277 volt or 347 volt. Pre-wired with prescribed circuits as specified. For special circuiting, consult factory.

Listings
UL Listed to US and Canandian safety standards.

Ordering Information

Example: **4 LL1 010000 T8 24FT R12 120 GEB SCT LP730 F1/24 C100**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures/ rows.

Fixture
- **LL1** 2¾ X 2½ rectangular
- **LL1W** 2¾ X 2½ rectangular wall mount

Catalog number
- **010000** Indirect
- **310922** Indirect/open
- **310923** Indirect/open[1]
- **310902** LightVent™[1]
- **310921** Indirect/direct T8[1]
- **010012** Asymmetric wall (LL1W wall mounting only)

Lamp type
- **T5**
- **HOT5**
- **T8**

Fixture/row length[2] (Specify nominal fixture/row length in feet.)
- **__FT**

Voltage
- **120**
- **277**
- **347**[3]

Ballast
- **GEB** T8 electronic ballast
- **GEB10** T5/HOT5 electronic ballast. T8 10% THD electronic ballast.

Maximum section length
- **R4** 4' section
- **R8** 8' section
- **R12** 12' section

Emergency type (optional)
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack with night-light

Number of emergency sections
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Switching
- **SCT** Single circuit

Lamp color
- **L/LP** No lamp

T8
- **LP730** 3000°K 70+ CRI
- **LP735** 3500°K 70+ CRI
- **LP741** 4100°K 70+ CRI

T5/T5HO
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

Mounting
- (blank) Wall mount
- **F1/** T-bar ceiling
- **F2/** Hard ceiling horizontal j-box

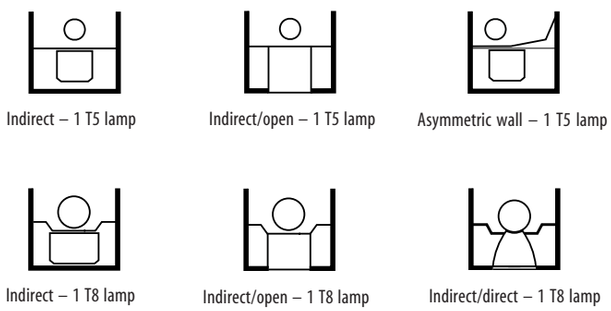
Feed/overall suspension
- **12** 12"
- **15** 15"
- **18** 18"
- **21** 21"
- **24** 24"
- **XX** XX"

Finish[4]
- **C100** Satin anodized aluminum
- **C200** Standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)
- **C099** Custom color (consult factory)

Options[5]
- **DL** Damp location label
- **CFG** Configuration, contact factory
- **GMF** Slow blow fuse
- **GLR** Fast blow fuse
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed
- **CMG** Cord manager

NOTES:
1. T5/T5HO special configurations only. Contact factory.
2. For long runs, advise maximum extrusion length if 12' is not acceptable. 4', 8' or 12' nominal sections used to create runs.
3. Only available in T8 and HOT5.
4. To match custom color chip, specify C099. If unknown, specify XXX.
5. For available options on special configurations, contact factory.

LUMINAIRE CROSS SECTIONS





Recessed/Suspended

Parallels™

Intended Use

A pure expression of light. No cables, no wiring, no housing, no integral ballasts. Stripped of such conventional trappings, the latest design innovation from Peerless offers a striking departure from the monotonous mainstream.

The lamps, powered through elegant anodized aluminum stems, are wrapped in parallel luminous elements providing a slim and sophisticated form harmonious with contemporary environments.

Construction
Extruded translucent white acrylic diffuser with opaque painted ends. AA 6063 T6 extruded aluminum fixed length yokes. Formed and painted, cold-rolled steel recessed housing.

Reflectors
Die-formed specular reflectors.

Electrical
Specify 120 volt , 277 volt or 347 volt. Prewired with prescribed circuits and Molex quick connectors. Available "S" option for step switching. Step switching option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

Fixture Length
Lengths available in 4′ and 5′.

Fixtures mount to 4′ grid. Overall, fixture lengths are 4′-9″ and 5′-9″ respectively.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **1 PLM9 G 2 54T5HO U4 277 GEB80S SCT LP830**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **PLM9** Recessed/pendant mount

Ceiling type
- **G** Lay-in grid (5/16″ 9/16″, screw slot)

Number of lamps in cross section
- **2**

Lamp type
- **54T5HO** 54W 4′ T5HO
- **28T5** 28W 4′ T5
- **80T5HO** 80W 5′ T5HO[1]

Nominal length
- **U4** 4′
- **U5** 5′

Voltage
- **120**
- **277**
- **347**[1,2]

Ballast type

T5HO
- **GEB10** < 10% THD ballast
- **GEB80** < 10% THD, 80% BF
- **GEB80S** < 10% THD, 80% BF[3]

T5
- **GEB10** <10% THD ballast
- **GEB115** < 10% THD, 115% BF
- **GEB115S** < 10% THD, 115% BF[3]

Dimming ballasts

T5HO
- **ADEZ** Advance Mark 10[2]
- **ADZT** Advance Mark 7[2]
- **ECO10** Lutron ECO 10[2]
- **DMHL** Lutron Hi Lume[2]
- **OSDIM** OSDIM 0 - 10V[2]

T5
- **ECO10** Lutron ECO10

Emergency options
- **EL** Emergency battery pack

Switching
- **SCT**

Lamp color

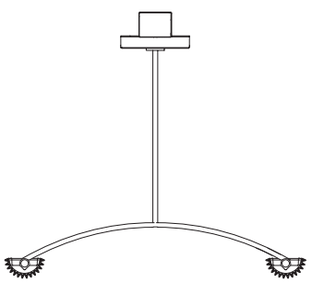
T5/T5HO
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

Options
- **CP** Chicago plenum

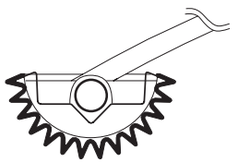
NOTES:
1 GEB10 ballast only.
2 54T5HO Only.
3 S = step dimming.



LUMINAIRE CROSS SECTIONS



PLM9 – 2 T5/T5HO lamps



Lightedge® Angular

Intended Use

Lightedge® Angular luminaires are beautifully proportioned and exquisitely detailed. Like elegant metal sculptures with precise reveals and a hint of luminous color, they appear to float in space, emitting a soft indirect light across the ceiling and into the environment below. The look is leading edge and completely unique.

Finish
Satin anodized standard; custom colors available.

Construction
Housing and endcap AA 6063 T6 extruded aluminum.

Reflectors
Die-formed reflectors with baked white enamel finish (nominal reflectance 90%). T5HO/T5 with specular aluminum.

Electrical
Specify 120 volt, 277 volt or 347 volt. For special circuiting, consult factory.

Fixture Length
4′ and 8′ lengths in a single section for suspension spacing of 4′ and 8.′ For total fixture length, add 4″ for each end-cap. Using internal joiners, 4′ and 8′ sections can be joined to form longer-length fixtures. EGAM available in 12′.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 EGSAM1 2 54T5HO 40FT R8 120 GEB10 2SE EL SCT LP835 F1/24 C100**

Quantity
Specify number of fixtures.

Fixture
- **EGSAM1** Shallow profile, indirect[1]
- **EGSAM2** Shallow profile, indirect/open[1]
- **EGAM1** Indirect
- **EGAM2** Indirect/open

Number of lamps in cross section
- **1**[2]
- **2**
- **3**[2]

Lamp type
- **54T5HO** 54W 4′ T5HO
- **28T5** 28W 4′ T5
- **32** 32W 4′ T8

Nominal length (must be in 4′ increments)
- **__FT**

Maximum section length
- **R4** 4′ section
- **R8** 8′ section
- **R12** 12′ section (EGAM only)

Voltage
- **120**
- **277**
- **347**[3]

Ballast type
- **GEB10** 10% THD ballast
- **GEB** T8 electronic ballast

Number of Emergency sections (sections per run) (optional)
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Emergency type (optional)[4]
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack w/ night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Lamp color
- **L/LP** No lamp

T8
- **LP730** 3000°K 70+ CRI
- **LP735** 3500°K 70+ CRI
- **LP741** 4100°K 70+ CRI

T5/T5HO
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

Mounting type
- **F1/** T-bar ceiling
- **F2/** Hard ceiling horizontal j-box
- **F4A/** Grid ceiling IDS 15/16″
- **F4B/** Grid ceiling IDS 9/16″
- **F4C/** Grid ceiling IDS screw slot

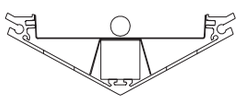
Feed/overall suspension
- **12** 12″
- **15** 15″
- **18** 18″
- **21** 21″
- **24** 24″
- **XX** XX″

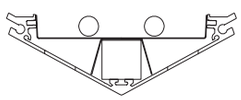
Finish
- **C100** Satin anodized finish (standard)
- **C099** Custom color (consult factory)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)

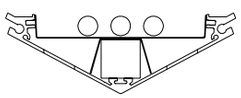
Options
- **ACG** Adjustable cable grippers
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed
- **CMG** White cord manager
- **APF** Alternate power feed (F4X mounting only)
- **CMG** Cord manager
- **DV** Dust cover

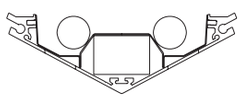
NOTES:
1. Max. R8
2. One and 3 lamps not available in T8.
3. T8 and T5HO only.
4. EL, EN and EC not available with DCT in 4′ sections.

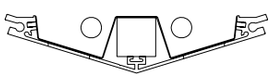
LUMINAIRE CROSS SECTIONS


EGAM1 and EGAM2 – 1 T5/T5HO lamp


EGAM1 and EGAM2 – 2 T5/T5HO lamps


EGAM1 and EGAM2 – 3 T5/T5HO lamps


EGAM1 and EGAM2 – 2T8 lamps


EGSAM1 and EGSAM2 – 2 T5/T5HO lamps


EGSAM1 and EGSAM2 – 2 T8 lamps



7½" X 2" Angular

Lightedge® Angular Wall

Intended Use

Lightedge® Angular Wall luminaires are beautifully proportioned and exquisitely detailed. Like elegant metal sculptures with precise reveals and a hint of luminous color, they appear to float in space, emitting a soft indirect light across the ceiling and into the environment below. The look is leading edge and completely unique.

Construction
Housing and endcap AA 6063 T6 extruded aluminum forming a 7½" x 2⅛" angular channel.

Reflectors
Die-formed reflectors combine hammertone specular aluminum and baked white enamel (nominal reflectance 90%). Prismatic acrylic kicker lens on 1 lamp product.

Finish
Satin anodized standard; custom colors available.

Electrical
Specify 120 volt, 277 volt or 347 volt. For special circuiting, consult factory.

Fixture Length
4', 8' and 12' lengths in a single section for suspension spacing of 4', 8' and 12.' For total fixture length, add 4" for each end-cap. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 EGAW1 1 54T5HO 40FTN R12 120 GEB10 2SE EL SCT LP835 C100**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **EGAW1** Indirect
- **EGAW2** Indirect/ open

Number of lamps in cross section
- **1**
- **2**[1]

Lamp type
- **54T5HO** 54W 4' T5HO
- **28T5** 28W 4' T5
- **32** 32W 4' T8

Nominal row length (must be in 4' increments) FTN for T5HO/T5
- **__FT**

Maximum section length
- **R4** 4' section
- **R8** 8' section
- **R12** 12' section

Voltage
- **120**
- **277**
- **347**[2]

Ballast type
- **GEB10** 10% THD ballast
- **GEB** Electronic ballast (T8 only)

Number of emergency sections (sections per run) (optional)
- (blank) No emergency
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Emergency type (optional)[3]
- **EL** Emergency battery pack
- **EC** Emergency circuit night-light
- **EN** Emergency battery pack w/ night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Lamp color
- **L/LP** No lamp

T8
- **LP730** 3000°K 70+ CRI
- **LP735** 3500°K 70+ CRI
- **LP741** 4100°K 70+ CRI

T5/T5HO
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

Finish
- **C100** Satin anodized finish (standard)
- **C099** Custom color (consult factory)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)

Options
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with wingle feed
- **DV** Dust cover

NOTES:
1 Two lamp not available in T8.
2 T8 and T5HO only.
3 EL, EN and EC not available with DCT in 4' sections.

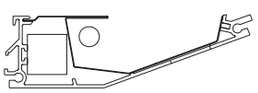




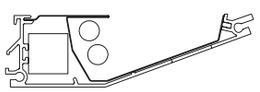
LUMINAIRE CROSS SECTIONS



EGCW1 and EGCW2 – 1 T8 lamp



EGCW1 – 1 T5/T5HO lamp



EGCW1 and EGCW2 – 2 T5/T5HO lamps

Lightedge® Curved

Intended Use

Lightedge® Curved luminaires are beautifully proportioned and exquisitely detailed. Like elegant metal sculptures with precise reveals and a hint of luminous color, they appear to float in space, emitting a soft indirect light across the ceiling and into the environment below. The look is leading edge and completely unique.

Construction
Housing and endcap AA 6063 T6 extruded aluminum.

Reflectors
Die-formed reflectors with baked white enamel finish (nominal reflectance 90%). T5HO/T5 with specular aluminum.

Finish
Satin anodized standard; custom colors available.

Electrical
Specify 120 volt, 277 volt or 347 volt. For special circuiting, consult factory.

Fixture Length
4′ and 8′ lengths in a single section for exact suspension spacing of 4′ and 8.′ For total fixture length add 4″ for each end-cap. Using internal joiners, 4′ and 8′ sections can be joined to form longer-length fixtures. EGCM available 12′.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 EGSCM1 2 54T5HO 40FT R8 120 GEB10 2SE EL SCT LP835 F1/24 C100**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **EGSCM1** Shallow profile, indirect[1]
- **EGSCM2** Shallow profile, indirect/open[1]
- **EGCM1** Indirect
- **EGCM2** Indirect/open

Number of lamps in cross section
- **1**[2]
- **2**
- **3**[2]

Lamp type
- **54T5HO** 54W 4′ T5HO
- **28T5** 28W 4′ T5
- **32** 32W 4′ T8
- **T8** 32W 4′ T8

Nominal row length (must be in 4′ increments)
- **___FT**

Maximum section length
- **R4** 4′ section
- **R8** 8′ section
- **R12** 12′ section (EGCM only)

Voltage
- **120**
- **277**
- **347**[3]

Ballast type
- **GEB10** 10% THD ballast
- **GEB** Electronic ballast (T8 only)

Emergency type (optional)[4]
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack w/ night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Number of emergency sections (sections per run) (optional)
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Mounting type
- **F1/** T-bar ceiling
- **F2/** Hard ceiling horizontal
- **F4A/** Grid ceiling IDS 15/16″
- **F4B/** Grid ceiling IDS 9/16″
- **F4C/** Grid ceiling IDS screw slot

Feed/overall suspension
- **12** 12″
- **15** 15″
- **18** 18″
- **21** 21″
- **24** 24″
- **XX** XX″

Lamp color
- **L/LP** No lamp

T8
- **LP730** 3000°K 70+ CRI
- **LP735** 3500°K 70+ CRI
- **LP741** 4100°K 70+ CRI

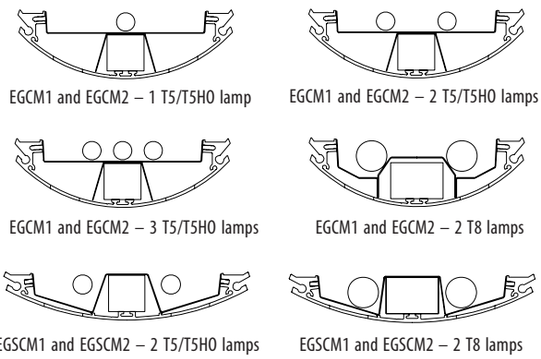
T5/T5HO
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

Finish
- **C100** Satin anodized finish (standard)
- **C099** Custom color (consult factory)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)

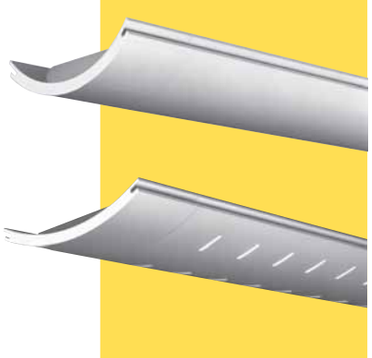
Options
- **ACG** Adjustable cable grippers
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed
- **CMG** White cord manager
- **APF** Alternate power feed (F4X mounting only)
- **DV** Dust cover
- **CMG** Cord manager

NOTES:
1 Max. R8
2 One and 3 lamp not available in T8.
3 T8 and T5HO only.
4 EL, EN and EC not available with DCT in 4′ sections.

LUMINAIRE CROSS SECTIONS



EGCM1 and EGCM2 – 1 T5/T5HO lamp
EGCM1 and EGCM2 – 2 T5/T5HO lamps
EGCM1 and EGCM2 – 3 T5/T5HO lamps
EGCM1 and EGCM2 – 2 T8 lamps
EGSCM1 and EGSCM2 – 2 T5/T5HO lamps
EGSCM1 and EGSCM2 – 2 T8 lamps



7½" X 2¼" Curved

Lightedge® Curved Wall

Intended Use

Lightedge® Curved luminaires are beautifully proportioned and exquisitely detailed. Like elegant metal sculptures with precise reveals and a hint of luminous color, they appear to float in space, emitting a soft indirect light across the ceiling and into the environment below. The look is leading edge and completely unique.

Construction
Housing and endcaps AA 6063 T6 extruded aluminum forming a 7½" x 2¼" curvilinear channel.

Reflectors
Die-formed reflectors combine hammertone specular aluminum and baked white enamel (nominal reflectance 90%). Prismatic acrylic kicker lens on 1 lamp product.

Finish
Satin anodized standard; custom colors available.

Electrical
Specify 120 volt, 277 volt or 347 volt. For special circuiting, consult factory.

Fixture Length
4', 8' and 12' lengths in a single section for suspension spacing of 4', 8' and 12.' For total fixture length, add 4" for each end-cap. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 EGCW1 1 54T5HO 40FTN R12 120 GEB10 2SE EL SCT LP835 C100**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **EGCW1** Indirect
- **EGCW2** Indirect/ open

Number of lamps in cross section
- **1**
- **2**[1]

Lamp type
- **54T5HO** 54W 4' T5HO
- **28T5** 28W 4' T5
- **32** 32W 4' T8

Nominal row length (must be in 4' increments) FTN for T5HO/T5
- **___FT**

Maximum section length
- **R4** 4' section
- **R8** 8' section
- **R12** 12' section

Ballast type
- **GEB10** 10% THD ballast
- **GEB** Electronic ballast (T8 only)

Voltage
- **120**
- **277**
- **347**[2]

Emergency type (optional)[3]
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack w/ night-light circuit

Number of emergency sections (sections per run) (optional)
- (blank) No emergency
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Lamp color
- **L/LP** No lamp

T8
- **LP730** 3000K° 70+ CRI
- **LP735** 3500K° 70+ CRI
- **LP741** 4100K° 70+ CRI

T5/T5HO
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

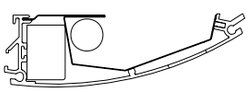
Finish
- **C100** Satin anodized finish (standard)
- **C099** Custom color (consult factory)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)

Options
- **GLR** Fast blow guse
- **GMF** Slow blow fuse
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed
- **DV** Dust cover

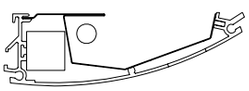
NOTES:
1 Two lamp not available in T8.
2 T8 and T5HO only.
3 EL, EN and EC not available with DCT in 4' sections.



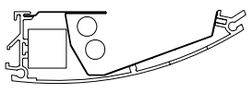
LUMINAIRE CROSS SECTIONS



EGCW1 and EGCW2 – 1 T8 lamp



EGCW1 and EGCW2 – 1 T5/T5HO lamp



EGCW1 and EGCW2 – 2 T5/T5HO lamps

Lightedge® Angular ID

Intended Use

Lightedge® Angular ID luminaires are beautifully proportioned and exquisitely detailed. Like elegant metal sculptures with precise reveals and a hint of luminous color, they appear to float in space, emitting a soft indirect light across the ceiling and into the environment below. The look is leading edge and completely unique.

Construction
Housing and endcap AA 6063 T6 extruded aluminum forming a 8" x 1¾" angular channel.

Reflectors
Die-formed reflectors combine hammertone specular aluminum and baked white enamel (nominal reflectance 90%).

Finish
Satin anodized standard; custom colors available.

Shielding
Parabolic semi-specular aluminum baffles.

Electrical
Specify 120 volt, 277 volt or 347 volt. For special circuiting, consult factory.

Fixture Length
4' and 8' lengths in a single section for suspension spacing of 4' and 8'. For total fixture length, add 4" for each end-cap. Using internal joiners, 4' and 8' sections can be joined to form longer-length fixtures.

Listings
UL Listed to US and Candadian safety standards.

Ordering Information

Example: **4 EGSAM4 2 54T5HO 40FT R8 120 GEB10 2SE EL SCT LP835 F1/24 C100**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **EGSAM4** Shallow profile, indirect/direct

Number of lamps in cross section
- **2**

Lamp type
- **54T5HO** 54W 4' T5HO
- **28T5** 28W 4' T5

Nominal row length (must be in 4' increments)
- **__FT**

Maximum section length
- **R4** 4' section
- **R8** 8' section

Voltage
- **120**
- **277**
- **347**[1]

Ballast type
- **GEB10** < 10% THD ballast

Number of emergency sections (sections per run) (optional)
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Emergency type (optional)[2]
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack w/night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Lamp color
- **L/LP** No lamp
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

Mounting type
- **F1/** T-bar ceiling
- **F2/** Hard ceiling horizontal
- **F4A/** Grid ceiling IDS 15/16"
- **F4B/** Grid ceiling IDS 9/16"
- **F4C/** Grid ceiling IDS screw slot

Feed/overall suspension
- **12** 12"
- **15** 15"
- **18** 18"
- **21** 21"
- **24** 24"
- **XX** XX"

Finish
- **C100** Satin anodized finish (standard)
- **C099** Custom color (consult factory)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)

Options
- **ACG** Adjustable cable grippers
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed
- **CMG** White cord manager
- **APF** Alternate power feed (F4X mounting only)
- **DV** Dust cover

NOTES:
1 T5HO only.
2 EL, EN and EC not available with DCT in 4' sections.

LUMINAIRE CROSS SECTIONS



EGSAM4 – 2 T5/T5HO lamps



8" X 2" Shallow Curved

Lightedge® Curved ID

Intended Use

Lightedge® Curved I/D luminaires are beautifully proportioned and exquisitely detailed. Like elegant metal sculptures with precise reveals and a hint of luminous color, they appear to float in space, emitting a soft indirect light across the ceiling and into the environment below. The look is leading edge and completely unique.

Construction
Housing and endcap AA 6063 T6 extruded aluminum forming an 8" x 1½" curvilinear channel.

Reflectors
Die-formed reflectors combine hammertone specular aluminum and baked white enamel (nominal reflectance 90%).

Shielding
Parabolic semi-specular aluminum baffles.

Finish
Satin anodized standard; custom colors available.

Electrical
Specify 120 volt, 277 volt or 347 volt. For special circuiting, consult factory.

Fixture Length
4′ and 8′ lengths in a single section for exact suspension spacing of 4′ and 8.′ For total fixture length add 4″ for each end-cap. Using internal joiners, 4′ and 8′ sections can be joined to form longer-length fixtures.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 EGSCM4 2 54T5HO 40FT R8 120 GEB10 2SE EL SCT LP835 F1/24 C100**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **EGSCM4** Shallow profile, indirect/direct

Number of lamps in cross section
- **2**

Lamp type
- **54T5HO** 54W 4′ T5HO
- **28T5** 28W 4′ T5

Nominal row length (must be in 4′ increments) FTN for T5HO/T5
- **__FT**

Maximum section length
- **R4** 4′ section
- **R8** 8′ section

Voltage
- **120**
- **277**
- **347**[1]

Ballast type
- **GEB10** < 10% THD ballast

Number of emergency sections (sections per run) (optional)
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Emergency type (optional)[2]
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack w/ night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Lamp color
T5/T5HO
- **L/LP** No lamp
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

Mounting type
- **F1/** T-bar ceiling
- **F2/** Hard ceiling horizontal j-box
- **F4A/** Grid ceiling IDS 15/16″
- **F4B/** Grid ceiling IDS 9/16″
- **F4C/** Grid ceiling IDS screw slot

Feed/overall suspension
- **12** 12″
- **15** 15″
- **18** 18″
- **21** 21″
- **24** 24″
- **XX** XX″

Finish
- **C100** Satin anodized finish (standard)
- **C099** Custom color (consult factory)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)

Options
- **ACG** Adjustable cable grippers
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed
- **CMG** White cord manager
- **APF** Alternate power feed (F4X mounting only)
- **DV** Dust cover
- **CMG** Cord manager

NOTES:
1 T5HO only.
2 EL, EN and EC not available with DCT in 4′ sections.



LUMINAIRE CROSS SECTIONS



EGSCM4 – 2 T5/T5HO lamps

Lightedge® Curved & Angular Wall ID

Intended Use

Lightedge® wall luminaires are beautifully proportioned and exquisitely detailed. Like elegant metal sculptures with precise reveals and a hint of luminous color, they appear to float in space, emitting a soft indirect light across the ceiling and into the environment below. The look is leading edge and completely unique.

Construction
Housing and endcap AA 6063 T6 extruded aluminum forming a 7 1/2" x 2 1/8" angular channel.

Reflectors
Die-formed reflectors combine hammertone specular aluminum and baked white enamel (nominal reflectance 90%). Prismatic acrylic kicker lens on 1 lamp product.

Shielding
Parabolic semi-specular aluminum baffles with opal diffuser.

Finish
Satin anodized standard; custom colors available.

Electrical
Specify 120 volt, 277 volt, or 347 volt. For special circuiting, consult factory.

Fixture Length
4', 8' and 12' lengths in a single section for suspension spacing of 4' , 8' and 12'. For total fixture length, add 4" for each end-cap. Using internal joiners, 4' , 8' and 12' sections can be joined to form longer-length fixtures.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 EGAW4 1 54T5HO 36FTN R12 120 GEB10 2SE EL SCT LP835 C100**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **EGAW4** Angular, direct/indirect
- **EGCW4** Curved, direct/indirect

Number of lamps in cross section
- **1**
- **2**

Lamp type
- **54T5HO** 54W 4' T5HO
- **28T5** 28W 4' T5

Nominal row length (must be in 4' increments)
- **__FTN**

Maximum section length
- **R4** 4' section
- **R8** 8' section
- **R12** 12' section

Voltage
- **120**
- **277**
- **347**[1]

Ballast type
- **GEB10** 10% THD ballast

Number of emergency sections (sections per run) (optional)
- (blank) No emergency
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Emergency type (optional)[2]
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack w/ night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Lamp color
- **L/LP** No lamp
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

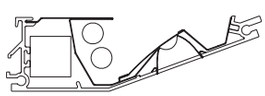
Finish
- **C100** Satin anodized finish (standard)
- **C099** Custom color (consult factory)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)

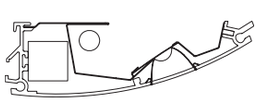
Options
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed
- **DV** Dust cover

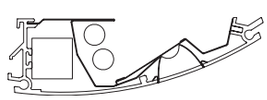
NOTES:
1 T5HO only.
2 EL, EN and EC not available with DCT in 4' sections.

LUMINAIRE CROSS SECTIONS


EGAW4 – 1 T5/T5HO lamp


EGAW4 – 2 T5/T5HO lamps


EGCW4 – 1 T5/T5HO lamp


EGCW4 – 2T5/T5HO lamps



8" X 1 ½" Rectangular

Lightedge® Rectangular

Intended Use

Lightedge® Rectangular luminaires are beautifully proportioned and exquisitely detailed. Like elegant metal sculptures with precise reveals and a lustrous anodized finish, they appear to float effortlessly in space. This highly engineered system also softens the direct light component in a way never before accomplished – offering unmatched refinement and visual comfort. Pendant and wall fixtures provide integrated design options and a wide range of configuration possibilities.

Construction
Housing and endcap AA 6063 T6 extruded aluminum forming an 8 1/8" x 1 1/2" rectangular channel.

Reflectors
Die-formed reflectors with baked white enamel finish (nominal reflectance 90%) and specular aluminum side reflector.

Finish
Satin anodized standard; custom colors available.

Electrical
Specify 120 volt, 277 volt or 347 volt. For special circuiting, consult factory.

Fixture Length
4' and 8' lengths in a single section for suspension spacing of 4' and 8.'

For total fixture length, add 4" for each end-cap. Using internal joiners, 4' and 8' sections can be joined to form longer-length fixtures.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: 4 EGRM9 2 54T5HO 40FT R8 120 GEB10 2SE EL SCT LP835 F1/24 C100

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **EGRM1** Indirect
- **EGRM2** Indirect/open
- **EGRM4** Indirect/direct
- **EGRM9** Grateoptic

Number of lamps in cross section
- **1**
- **2**
- **3**[1]

Lamp type
- **54T5HO** 54W 4' T5HO
- **28T5** 28W 4' T5
- **32** 32W 4' T8 (EGRM1 and EGRM2 only)

Nominal row length (must be in 4' increments) FTN for T5HO/T5
- **__FT**

Maximum section length
- **R4** 4' section
- **R8** 8' section

Voltage
- **120**
- **277**
- **347**[1]

Ballast type
- **GEB10** <10% THD ballast
- **GEB** Elctronic ballast (T8 only)

Emergency type (optional)[2]
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack w/night-light circuit

Number of emergency sections (sections per run) (optional)
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Mounting type
- **F1/** T-bar ceiling
- **F2/** Hard ceiling horizontal
- **F4A/** Grid ceiling IDS 15/16"
- **F4B/** Grid ceiling IDS 9/16"
- **F4C/** Grid ceiling IDS screw slot

Feed/overall suspension
- **12** 12"
- **15** 15"
- **18** 18"
- **21** 21"
- **24** 24"
- **XX** XX"

Lamp color
- **L/LP** No lamp
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

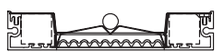
Finish
- **C100** Satin anodized finish (Standard)
- **C099** Custom color (consult factory)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)

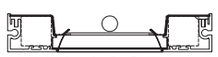
Options
- **ACG** Adjustable cable grippers
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed
- **CMG** White cord manager
- **APF** Alternate power feed (F4X mounting only)
- **DV** Dust cover

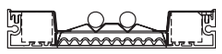
NOTES:
1 T8 and T5HO only.
2 EL, EN and EC not available with DCT in 4' sections.

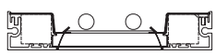


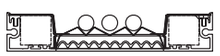
LUMINAIRE CROSS SECTIONS

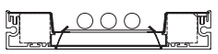

EGRM9 – 1 T5/T5HO lamp


EGRM4 – 1 T5/T5HO lamp


EGRM9 – 2 T5/T5HO lamps


EGRM4 – 2 T5/T5HO lamps


EGRM9 – 3 T5/T5HO lamps


EGRM4 – 3 T5/T5HO lamps


EGRM1 and EGRM2 – 2 T8, 1/2/3 T5/T5HO lamps

Lightedge® Rectangular Wall

Intended Use

Lightedge® Rectangular luminaires are beautifully proportioned and exquisitely detailed. Like elegant metal sculptures with precise reveals and a lustrous anodized finish, they appear to float effortlessly in space. This highly engineered system also softens the direct light component in a way never before accomplished – offering unmatched refinement and visual comfort. Pendant and wall fixtures provide integrated design options and offer a wide range of configuration possibilities.

Construction
Housing and endcap AA 6063 T6 extruded aluminum forming a 7½" x 1½" rectangular channel.

Reflectors
Die-formed reflectors combine hammertone specular aluminum with baked white enamel finish (nominal reflectance 90%).

Finish
Satin anodized standard; custom colors available.

Electrical
Specify 120 volt, 277 volt or 347 volt. For special circuiting, consult factory.

Fixture Length
4', 8' and12' lengths in a single section for suspension spacing of 4', 8' and 12.' For total fixture length, add 4" for each end-cap. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 EGRW9 1 54T5HO 40FTN R12 120 GEB10 2SE EL SCT LP835 C100**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **EGRW1** Indirect
- **EGRW2** Indirect/open
- **EGRW4** Indirect/direct
- **EGRW9** Grateoptic

Number of lamps in cross section
- **1**
- **2**

Lamp type
- **54T5HO** 54W 4' T5HO
- **28T5** 28W 4' T5

Nominal row length (must be in 4' increments)
- **___FTN**

Maximum section length
- **R4** 4' section
- **R8** 8' section
- **R12** 12' section

Voltage
- **120**
- **277**
- **347**[1]

Ballast type
- **GEB** Electronic ballast (T8 only)
- **GEB10** <10% THD ballast

Number of emergency sections(sections per run) (optional)
- (blank) No emergency
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Emergency type (optional)[2]
- **EL** Emergency battery pack
- **EC** Emergency circuit night-light
- **EN** Emergency battery pack w/ night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Lamp color
- **L/LP** No lamp

T8
- **LP730** 3000K° 70+ CRI
- **LP735** 3500K° 70+ CRI
- **LP741** 4100K° 70+ CRI

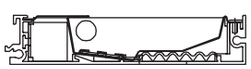
T5/T5HO
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

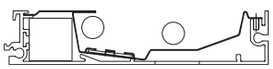
Finish
- **C100** Satin anodized finish (standard)
- **C099** Custom color (consult factory)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)

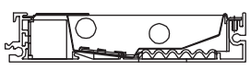
Options
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed
- **DV** Dust cover

NOTES:
1 T5HO only.
2 EL, EN and EC not available with DCT in 4' sections.

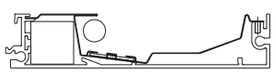
LUMINAIRE CROSS SECTIONS


EGRW9 – 1 T5/T5HO lamp

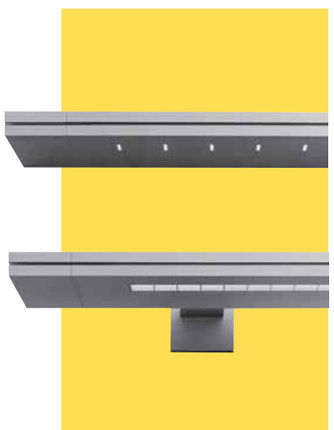

EGRW2 – 2 T5/T5HO lamps


EGRW9 – 2 T5/T5HO lamps


EGRW4 – 1 T5/T5HO lamp


EGRW1 – 1 T5/T5HO lamp


EGRW4 – 2 T5/T5HO lamps



10" X 3" Rounded

Mirage®

Intended Use

Consider the Mirage® luminaire – its multiple contours, lines and textures, its luminous baffle edges, its high-quality aluminum housing in a choice of finishes. This is modular, high-performance lighting in a most appealing, high-design package. Patented Softshine® optical systems with T5 high-output or T8 lamping options meet every possible requirement for light level and fixture spacing.

Construction
Housing AA 6063 T6 extruded aluminum forming a 9 7/8" x 2 3/4" rounded channel. Die-cast end plate mechanically attached with no exposed fasteners.

Reflectors
Die-formed hammertone specular aluminum.

Shielding
Satin aluminum parabolic baffles with luminous edges and VisorOptic™ opal diffuser lamp shield.

Finish
Satin anodized or white paint standard; custom colors available. Design detail: black perforated strip.

Electrical
Specify 120 volt or 277 volt. Pre-wired with prescribed circuits as specified. For special circuiting, consult factory. T5 high-output lamps are included. Wiring quick connectors for simple installation and joining.

Fixture Length
4'-0-1/4", 8' and 12' lengths in a single section for suspension spacing of 4', 8' and 12'. For total fixture length, add 4 1/4" for each end-cap.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 MRM4 1 54T5HO 40FT R12 120 GEB10 2SE EL SCT LP835 F1/24 C005**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
MRM4

Number of lamps in cross section
1
2

Lamp type
54T5HO 54 W 4' T5HO
32 32W 4" T8

Nominal row length (must be in 4' increments) FTN for T5HO/T5
__FT

Maximum section length
R4 4' section
R8 8' section
R12 12' section

Voltage
120
277
347

Ballast type
GEB10 10% THD ballast

Number of emergency sections (sections per run) (optional)[1]
1SE 1 section
2SE 2 sections
XSE X sections

Emergency type (optional)[2]
EL Emergency battery pack
EC Emergency circuit
EN Emergency battery pack w/ night-light circuit

Switching
SCT Single circuit
DCT Dual circuit

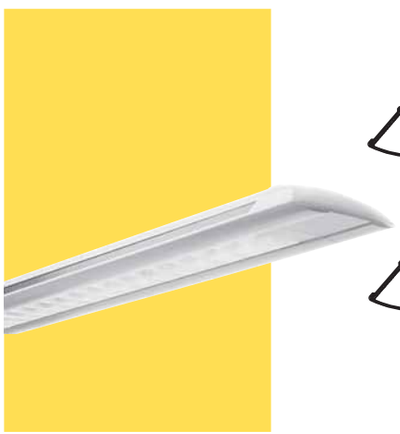
Lamp color
L/LP No lamp
LP830 3000°K 80+ CRI
LP835 3500°K 80+ CRI
LP841 4100°K 80+ CRI

Mounting type
F1/ T-bar ceiling
F2/ Hard ceiling horizontal J-box

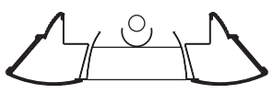
Feed/overall suspension
12 12"
15 15"
18 18"
21 21"
24 24"
XX XX"

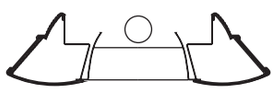
Finish
C100 Satin anodized finish (standard)
C200 Peerless standard white (low gloss)
C005 Soft white (low gloss)
C032 White white (gloss)
C041 White white (low gloss)
C099 Custom color (consult factory)

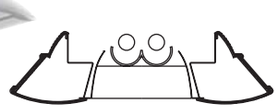
Options
GLR Fast blow fuse
GMF Slow blow fuse
ACG Adjustable cable grippers
CMG Cord manager

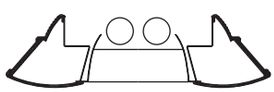


LUMINAIRE CROSS SECTIONS


MRM4 – 1 T5HO lamp


MRM4 – 1 T8 lamp


MRM4 – 2 T5HO lamps


MRM4 – 2 T8 lamps

NOTES:
1 Maximum # of emergency sections per run should not exceed number of fixture sections, minus one. For additional sections, consult factory.
2 EC and EL not available concurrently. EL and EC not available with DCT in 4' sections. Separate feed required.

Lightfin®

Intended Use

The tasteful, angular shape of the Diminutive Lightfin® luminaire is trimmed to a mere 6" x 2" – accommodating the new technology in a housing that virtually disappears within the space. Specify it as a totally indirect solution or with slot patterned bottoms to add a hint of brightness below. This versatile, elegantly-thin fixture serves beautifully in even the most critical visual environments, and is uniquely appropriate for low-ceiling applications.

Construction
Housing AA 6063 T6 extruded aluminum forming a 6 1/2" x 2 1/8" angular channel. Die-cast end plate attaches with no exposed fasteners.

Reflectors
Die-formed reflectors combine hammertone specular aluminum andbaked white enamel (nominal reflectance 86%).

Finish
Satin anodized or white paint standard; custom colors available.

Electrical
Specify 120 volt or 277 volt. Pre-wired with prescribed circuits. For special circuiting, consult factory. T5 high-output lamps are included.

Fixture Length
4', 8', and 12' lengths in a single section for suspension spacing of 4', 8', and 12'. For total fixture length add 4-1/2" for each end-cap. Using internal joiners, 4', 8', and 12' sections can be joined to form longer-length fixtures.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 LFM1 1 54T5HO 40FT R12 120 GEB10 2SE EL SCT LP835 F1/24 C005**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **LFM1**
- **LFM2**

Number of lamps in cross section
- **1**
- **2**
- **3**

Lamp type
- **54T5HO** 54W 4' T5HO
- **28T5** 28W 4' T5

Nominal row length (must be in 4' increments)
- **__FT**

Maximum section length
- **R4** 4' section
- **R8** 8' section
- **R12** 12' section

Voltage
- **120**
- **277**
- **347**[1]

Ballast type
- **GEB10** 10% THD ballast

Number of emergency sections (sections per run) (optional)[2]
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Emergency type (optional)[3]
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack w/ night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Lamp color
- **L/LP** No lamp
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

Mounting type
- **F1/** T-bar ceiling
- **F2/** Hard ceiling horizontal J-box

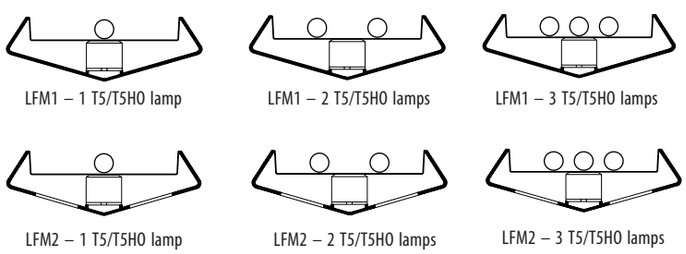
Feed/overall suspension
- **12** 12"
- **15** 15"
- **18** 18"
- **21** 21"
- **24** 24"
- **XX** XX"

Finish
- **C100** Satin anodized finish (standard)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)
- **C099** Custom color (consult factory)

Options
- **ACG** Adjustable cable grippers
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **CMG** Cord manager

NOTES:
1. T5HO only.
2. Maximum number of emergency sections per run should not exeed number of fixture sections, minus one. For additional sections, consult factory.
3. EC and EL not available concurrently. EL and EC not available with DCT in 4' sections. Separate feed required.

LUMINAIRE CROSS SECTIONS





7" X 2" Angular

Lightfin® Wall

Intended Use

Lightfin® Wall Mounted fixtures extend the diminutive look throughout a facility, projecting soft, uniform light on the wall as well as above and across the ceiling in corridors, small offices and general use areas.

Finish
Standard colors are satin anodized aluminum, standard white (low gloss), white white (gloss) and white white (low gloss).

Construction
Housing AA 6063 T6 extruded aluminum up to 24' in one uninterrupted section forming a 7" x $2^{1}/_{16}$" angular channel. Die-cast end plate mechanically attached with no exposed fasteners.

Reflectors
Die-formed, baked white reflectors (86% nominal reflectance), including micro-prismatic, 100% virgin acrylic specular/diffusing optical lens.

Fixture Length
Specify nominal fixture/row length in feet. For long runs, advise maximum extrusion length if 12' is not acceptable. 4', 8' or 12' nominal sections used to create runs.

Electrical
Specify 120 volt or 277 volt. Pre-wired with prescribed circuits as specified. For special circuiting, consult factory. 3500°K T5 high-output lamps are included.

Listings
UL listed to US and Canandian safety standards.

Ordering Information

Example: **4 LFDW 010003 HOT5 40FT R12 120 GEB10 LP835 C100**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **LFDW** Lightfin Diminutive

Catalog number
- **010003** Indirect 1 lamp

Lamp type
- **T5**
- **HOT5**

Fixture length[1]
Specify nominal fixture/row length in feet.
- **__FT**

Maximum section length
- **R2** 2' section
- **R3** 3' section
- **R4** 4' section
- **R8** 8' section
- **R12** 12' section

Voltage/switching
- **120**
- **277**
- **347** (HOT5 only)

Ballast
- **GEB10** 10% THD electronic ballast

Number of emergency sections
- **1 SE** 1 section
- **2 SE** 2 sections
- **X SE** X sections

Emergency type
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack with night-light

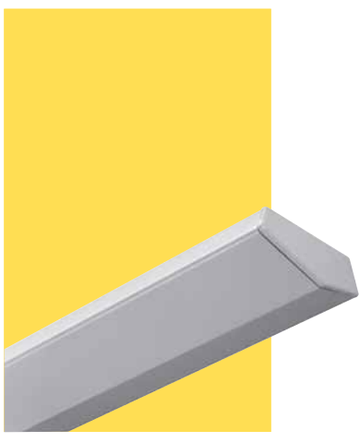
Switching
- **SCT** Single circuit

Lamp color
- **L/LP** No lamp
- **LP830** 3000°K, 80+ CRI
- **LP835** 3500°K, 80+ CRI
- **LP841** 4100°K, 80+ CRI

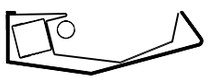
Finish[2]
- **C100** Satin anodized aluminum
- **C200** Standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)
- **C099** Custom color (consult factory)

Options
- **DL** Damp location
- **CFG** Configuration (contact factory)
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed
- **GMF** Slow blow fuse
- **GLR** Fast blow fuse

NOTES:
1. For long runs, advise minimum extrusion length if 12' is not acceptable. 4', 8' or 12' nominal sections used to create runs.
2. To match custom color chip, specify C099. If unknown, specify XXX.



LUMINAIRE CROSS SECTIONS



LFDW – 1 T5/T5HO lamp

Lightduct®

Intended Use

Lightduct® Series makes the most of the T5 high-output fixture technology – nearly doubling the lumen output of a T8 fixture. These luminaires offer soft, even, high-quality light for today's multi-task workplaces while reducing initial investment and life-cycle costs.

Construction
Housing AA 6063 T6 extruded aluminum forming a $6^1/_2$" x $2^1/_8$" rounded channel. Die-cast end plate attaches with no exposed fasteners.

Reflectors
Die-formed reflectors combine hammertone specular aluminum and baked white enamel (nominal reflectance 86%).

Finish
Satin anodized or white paint standard; custom colors available.

Electrical
Specify 120 volt or 277 volt. Pre-wired with prescribed circuits and with UL listed. For special circuiting, consult factory. T5 high-output lamps are included.

Fixture Length
4', 8, and 12' lengths in a single section for exact suspension spacing of 4', 8' and 12'. For total fixture length add $5^1/_2$" for each end-cap. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 LDM1 1 54T5HO 40FT R12 120 GEB10 2SE EL SCT LP835 F1/24 C005**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **LDM1** Indirect
- **LDM2** Indirect/ open

Number of lamps in cross section
- **1**
- **2**
- **3**

Lamp type
- **54T5HO** 54W 4' T5HO
- **28T5** 28W T5

Nominal row length (must be in 4' increments)
- **__FT**

Maximum section length
- **R4** 4' section
- **R8** 8' section
- **R12** 12' section

Voltage
- **120**
- **277**
- **347**

Ballast type
- **GEB10** 10% THD ballast

Number of emergency sections (sections per run) (optional)[1]
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Emergency type (optional)[2]
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack w/ night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Lamp color
- **L/LP** No lamp
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

Mounting type
- **F1/** T-bar ceiling
- **F2/** Hard ceiling horizontal j-box

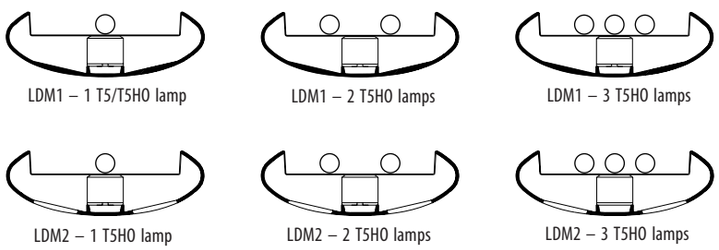
Feed/overall suspension
- **12** 12"
- **15** 15"
- **18** 18"
- **21** 21"
- **24** 24"
- **XX** XX"

Finish
- **C100** Satin anodized finish (standard)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)
- **C099** Custom color (consult factory)

Options
- **ACG** Adjustable cable grippers
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **CMG** Cord manager

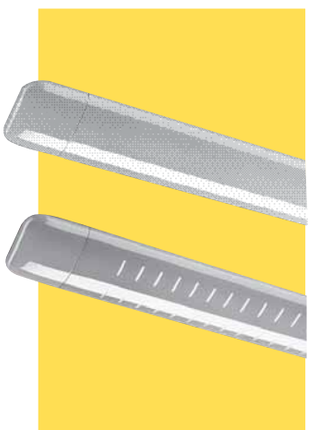
NOTES:
1 Maximum number of emergency sections per run equals number of fixture sections, minus one. For additional sections, consult factory.
2 EC and EL not available concurrently. EL and EC not available with DCT in 4' sections. Separate feed required.

LUMINAIRE CROSS SECTIONS



LDM1 – 1 T5/T5HO lamp | LDM1 – 2 T5HO lamps | LDM1 – 3 T5HO lamps

LDM2 – 1 T5HO lamp | LDM2 – 2 T5HO lamps | LDM2 – 3 T5HO lamps



7" X 2" Rounded

Lightduct® Wall

Intended Use

Lightduct® Wall Mounted fixtures extend the diminutive look throughout a facility, projecting soft, uniform light on the wall and above and across the ceiling in corridors, small offices, and general use areas.

This unique lighting product makes the most of T5 high-output technology. A single-lamp system projects as much light as 2-lamp T8 conventional fixtures.

Finish
Standard colors are satin anodized aluminum, standard white (low gloss), white white (gloss) and white white (low gloss).

Construction
Housing AA 6063 T6 extruded aluminum forming a 7" x 2" rounded channel. Die-cast end plate mechanically attached with no exposed fasteners.

Reflectors
Die-formed, baked white reflectors (86% nominal reflectance), including micro-prismatic, 100% virgin acrylic specular/diffusing optical lens.

Fixture Length
Specify nominal fixture/row length in feet. For long runs, advise maximum extrusion length if 12′ is not acceptable. 4′, 8′ or 12′ nominal sections used to create runs.

Electrical
Specify 120 volt or 277 volt. Pre-wired with prescribed circuits as specified. For special circuiting, consult factory. 3500K T5 high-output lamps are included.

Listings
UL listed to US and Canandian safety standards.

Ordering Information

Example: **4 LDDW 010003 T5 40FT R12 277 GEB10 LP835 C100**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures/rows.

Fixture
- **LDDW** Lightduct Diminutive

Catalog number
- **010003** Indirect 1 lamp

Lamp type
- **T5**
- **HOT5**

Fixture length[1]
Specify nominal fixture/row length in feet.
__FT

Maximum section length
- **R2** 2′ section
- **R3** 3′ section
- **R4** 4′ section
- **R8** 8′ section
- **R12** 12′ section

Voltage/switching
- **120**
- **277**
- **347** (HOT5 only)

Ballast
- **GEB10** 10% THD electronic ballast

Number of emergency sections
- **1 SE** 1 section
- **2 SE** 2 sections
- **X SE** X sections

Emergency type (optional)
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack with night-light

Switching
- **SCT** Single circuit

Lamp color
- **L/LP** No lamp
- **LP830** 3000°K, 80+ CRI
- **LP835** 3500°K, 80+ CRI
- **LP841** 4100°K, 80+ CRI

Finish[2]
- **C100** Satin anodized aluminum
- **C200** Standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)
- **C099** Custom color (consult factory)

Options
- **DL** Damp location
- **CFG** Configuration (contact factory)
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed
- **GMF** Slow blow fuse
- **GLR** Fast blow fuse



LUMINAIRE CROSS SECTIONS



LDDW – 1 lamp

NOTES:
1. For long runs, advise maximum extrusion length if 12′ is not acceptable. 4′, 8′ or 12′ nominal sections used to create runs.
2. To match custom color chip, specify C099. If unknown, specify XXX.

Envision®

Intended Use

The Envision® Series delivers exceptional performance at an affordable price. The sophisticated indirect lighting optics can meet stringent IES standards for ceiling uniformity, providing soft, even illumination virtually free of glare and harsh shadows.

Construction

Housing AA 6063 T6 extruded aluminum forming a 8" x 3" rounded channel. Die-cast end plate attaches with no exposed fasteners.

Reflectors

Die-formed reflectors combine hammertone specular aluminum and baked white enamel (nominal reflectance 86%).

Finish

Satin anodized or white paint standard; custom colors available.

Electrical

Specify 120 volt, 277 volt or 347 volt. Pre-wired with prescribed circuits and are UL listed. For special circuiting, consult factory.

Fixture Length

4', 8', and 12' lengths in a single section for suspension spacing of 4', 8', and 12'. For total fixture length, add 1/2" for each end-cap. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 ENM1 1 32 40FT R12 120 GEB 2SE EL SCT F1/24 C005**

Quantity
Specify number of fixtures.

Fixture
- **ENM1** Indirect
- **ENM2** Indirect/open
- **ENM3** Lightvent

Number of lamps in cross section
- **1**
- **2**
- **3**

Lamp type
- **32**

Nominal row length (must be in 4' increments)
- **__FT**

Shielding options
- **HOL** Holes
- **WIN** Windows
- **SLT** Slots

Maximum section length
- **R4** 4' section
- **R8** 8' section
- **R12** 12' section

Voltage
- **120**
- **277**
- **347**

Ballast type
- **GEB** Generic electronic ballast
- **GEB10** 10% THD ballast

Number of emergency sections(sections per run) (optional)[1]
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Emergency type (optional)[2]
- **EL** Emergency battery pack
- **EC** Emergency circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Mounting type
- **F1/** T-bar ceiling
- **F2/** Hard ceiling horizontal j-box

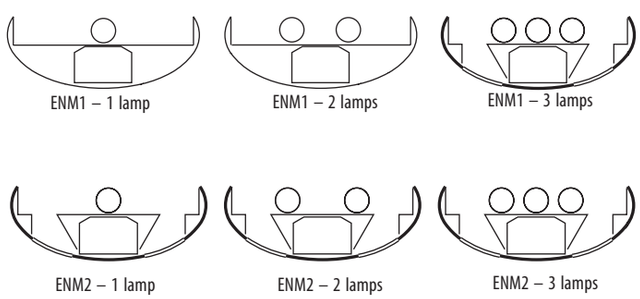
Feed/overall suspension
- **12** 12"
- **15** 15"
- **18** 18"
- **21** 21"
- **24** 24"
- **XX** XX"

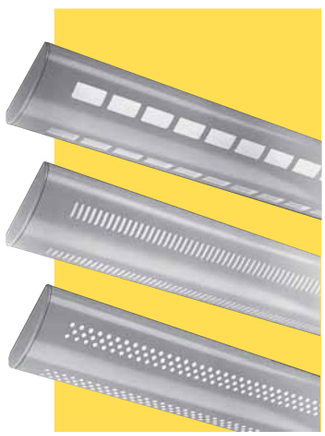
Finish
- **C100** Satin anodized finish (standard)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)
- **C099** Custom color (consult factory)

Options
- **ACG** Adjustable cable grippers
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **DU** Dust cover
- **RIF** Radio interference filter
- **CMG** Cord manager

NOTES:
1 Maximum number of emergency sections per run should not exceed number of fixture sections, minus one. For additional sections, consult factory.
2 EC and EL not available concurrently. EL and EC not available with DCT in 4' sections. Separate feed required.

LUMINAIRE CROSS SECTIONS





8" X 3" Rounded

Envision® I/D

Intended Use

Envision® I/D lighting delivers exceptional performance at an affordable price. The sophisticated indirect lighting optics can meet stringent IES standards for ceiling uniformity, providing soft, even illumination virtually free of glare and harsh shadows.

Construction
Housing AA 6063 T6 extruded aluminum forming an 8" x $2^{9}/_{16}$" rounded channel. Die-cast end plate mechanically attached with no exposed fasteners.

Reflectors
Die-formed specular aluminum.

Shielding
Parabolic aluminum baffles with Achroma™ finish standard; semi-specular finish available. Includes VisorOptic™ opal diffuser lamp shield.

Finish
Satin anodized or white paint standard; custom colors available.

Electrical
Specify 120 volt or 277 volt. Pre-wired with prescribed circuits as specified. UL listed. For special circuiting, consult factory. T5 high-output lamps are included.

Fixture Length
4'-0-1/4", 8' and 12' lengths in a single section for suspension spacing of 4', 8' and 12'. For total fixture length add 1/2" for each end-cap.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **1 ENM4 2 54T5HO 40FT R12 120 GEB10 2SE EL SCT LP835 F1/24 C005 SSB**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **ENM4** Indirect/direct

Lamp type
- **54T5HO** 54W 4' T5HO
- **32** 32W 4" T8

Nominal row length (must be in 4' increments)
- **___FT**

Voltage
- **120**
- **277**
- **347**

Ballast type
- **GEB10** 10% THD ballast
- **GEB** T8 Generic electronic ballast

Emergency type (optional)[2]
- **EL** Emergency battery pack
- **EC** Emergency circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Mounting type
- **F1/** T-bar ceiling
- **F2/** Hard ceiling horizontal J-box

Feed/overall suspension
- **12** 12"
- **15** 15"
- **18** 18"
- **21** 21"
- **24** 24"
- **XX** XX"

Options
- **SSB** Semi-specular baffle
- **ACG** Adjustable cable grippers
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **GMG** Cord manager

Number of lamps in cross section
- **1**
- **2**
- **3**

Maximum section length
- **R4** 4' section
- **R8** 8' section
- **R12** 12' section

Number of emergency sections (sections per run) (optional)[1]
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

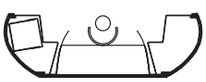
Lamp color
- **L/LP** No lamp
- **LP830** 3000°K 80+ CRI
- **LP835** 3500°K 80+ CRI
- **LP841** 4100°K 80+ CRI

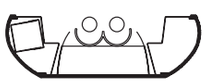
Finish
- **C100** Satin anodized finish (standard)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)
- **C099** Custom color (consult factory)

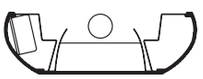
NOTES:
1 Maximum number of emergency sections per run equals number of fixture sections, minus one. For additional sections, consult factory.
2 EC and EL not available concurrently. EL and EC not available with DCT in 4' sections. Separate feed required.

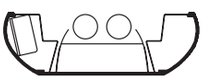


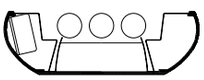
LUMINAIRE CROSS SECTIONS


ENM4 – 1 T5HO lamp


ENM4 – 2 T5HO lamps


ENM4 – 1 T8 lamp


ENM4 – 2 T8 lamps


ENM4 – 3 T8 lamps

Envision® Wall

Intended Use

Envision® Wall lighting uses the same high-quality optics as the pendant-mounted fixtures to project soft, uniform light on the wall above and across the ceiling in corridors, small offices, rooms with low ceilings, and in general use areas. Its diffuse indirect illumination provides high visual effectiveness and comfort, satisfying the most demanding requirements while making it possible to meet stringent IES standards.

Finish
Standard colors are satin anodized aluminum, standard white (low gloss), white white (gloss) and white white (low gloss).

Construction
Housing AA 6063 T6 extruded aluminum forming a 9" x 3" rounded channel. Die-cast end plate mechanically attached with no exposed fasteners.

Reflectors
Die-formed reflectors combine hammertone specular aluminum and baked white enamel (nominal reflectance 86%). Optical system includes micro-prismatic, 100% virgin acrylic specular/diffusing optical lens.

Fixture Length
Specify nominal fixture/row length in feet. For long runs, advise maximum extrusion length if 12' if not acceptable. 4', 8' or 12' nominal sections used to create runs.

Electrical
Specify 120 volt, 277 volt or 347 volt. Pre-wired with prescribed circuits as specified. For special circuiting, consult factory.

Listings
UL listed to US and Canandian safety standards.

Ordering Information

Example: **4 ENIW 020006 T8 40FT R12 GEB10 SCT L/LP C100**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **EN1W** Envision Rounded

Catalog number
Wall mount
- **010005** T8 1 lamp
- **020006** T8 2 lamp

Lamp type
- **T8**

Fixture length[1]
Specify nominal fixture/row length in feet.
- **__FT**

Maximum section length
- **R2** 2' section
- **R3** 3' section
- **R4** 4' section
- **R8** 8' section
- **R12** 12' section

Voltage
- **120**
- **277**
- **347**

Ballast type
- **GEB** T8 electronic ballast
- **GEB10** T8 less than 10% THD

Number of emergency sections
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Emergency type
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency pack with night-light

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Lamp color
- **L/LP** No lamp
- **LP730** 3000°K, 70 + CRI
- **LP735** 3500°K, 70 + CRI
- **LP741** 4100°K, 70 + CRI
- **LP830** 3000°K, 80 + CRI
- **LP835** 3500°K, 80 + CRI
- **LP841** 4100°K, 80 + CRI

Finish
- **C100** Satin anodized aluminum
- **C200** Standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)
- **C099** Custom color (consult factory)

Options
- **DL** Damp location
- **CFG** Configuration (contact factory)
- **GMF** Slow blow fuse
- **GLR** Fast blow fuse
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed
- **DV** Dust cover
- **CMG** Cord manager

NOTES:
1 For long runs, advise maximum extrusion length if 12' is not acceptable. 4', 8' or 12' nominal sections used to create runs.

LUMINAIRE CROSS SECTIONS



EN1 – 1 T8 lamp



EN1 – 2 T8 lamps



7¼" X 3¾" & 8¾" X 2¾" Rectangular

Envision® Cove

Intended Use

Envision® Cove lighting enhances even ordinary spaces, turning ceilings into glowing surfaces that illuminate without a hint of glare or uncomfortable contrast. Peerless optics deliver a smooth, even wash on the wall above and far across the ceiling. No socket shadows, no fall-off, just pure, even light.

Finish
Baked white enamel.

Construction
Housing one-piece cold rolled sheet steel with die-formed end plate forming a rectangular channel.

Reflectors
Reflectors combine hammertone specular aluminum and baked white enamel (nominal reflectance 86%). Optical system includes micro-prismatic, 100% virgin acrylic specular/diffusing optical lens.

Fixture Length
From 2' to 8' in a single section only.

Electrical
Specify 120 volt, 277 volt or 347 volt. Pre-wired with prescribed circuits as specified. For special circuiting, consult factory.

Listings
UL listed to US and Canandian safety standards.

Ordering Information

Example: **6 7ECXM5 2 32 U4 120 GEB SCT L/LP**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Number of lamps in cross section
- **1** One
- **2** Two

Fixture
- **7ECXM5** 7-1/4 x 3-3/4 Cove light
- **9ECXM5** 8-3/4 x 2-3/4 Cove light

Lamp type
- **32** 4' 32W T8
- **25** 3' 25W T8
- **17** 2' 17W T8
- **54T5HO** 4' 54W T5HO
- **24T5HO** 2' 24W T5HO
- **39T5HO** 3' 39W T5HO
- **14T5** 2' 14W T5
- **21T5** 3' 21W T5
- **28T5** 4' 28W T5

Nominal fixture length
- **U2** 2'
- **U3** 3'
- **U4** 4'
- **U8** 8'

Voltage/switching
- **120**
- **277**
- **347**[1]

Ballast
- **GEB** T8 electronic ballast
- **GEB10** T8 electronic ballast <10% THD. T5/T5HO electronic ballast.

Emergency type
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack with night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Lamp color
- **L/LP** No lamp

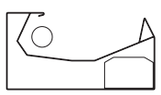
T8
- **LP730** 3000°K, 70 + CRI
- **LP735** 3500°K, 70 + CRI (std.)
- **LP741** 4100°K, 70 + CRI

T5/T5HO
- **LP830** 3000°K, 80 + CRI
- **LP835** 3500°K, 80 + CRI (std.)
- **LP841** 4100°K, 80 + CRI

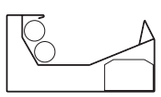
Options
- **RFI** Radio frequency interference suppressors
- **DL** Damp location label
- **CFG** Configuration
- **GMF** Slow blow fuse
- **GLR** Fast blow fuse
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed
- **DV** Dust cover

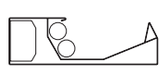
NOTES:
1 T5HO and T8 only.

LUMINAIRE CROSS SECTIONS


7ECXM5 – 1 T8/T5HO lamp


9ECXM5 – 1 T8/T5HO lamp


7ECXM5 – 2 T8/T5HO lamps


9ECXM5 – 2 T8/T5HO lamps

LD6

Available Summer 2006

Intended Use

A classic design, the LD6 Series features a pure round form, flat endcaps and balanced brightness to create a crisp, classic look. Designed for school, library and commercial spaces, the LD6 luminaire also works well in retail and other public spaces where the classic look combined with the ability to have a higher, direct-light component are desired.

Construction
Housing AA 6063 T6 extruded aluminum forming a 6" rounded channel. Die-cast end plate attaches with no exposed fasteners.

Reflectors
Die-formed reflectors combine hammertone specular aluminum baked white enamel (nominal reflectance 86%)

Finish
Satin anodized or white paint standard; custom colors available.

Electrical
Specify 120 volt, 277 volt or 347 volt. Pre-wired with prescribed circuits. For special circuiting, consult factory.

Nominal Fixture Length
4', 8' and 12' lengths in a single section. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 LD6 010000 T8 24FT R12 120 GEB SCT LP730 F1/12 C100**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **LD6** 6" round suspended
- **LD6W** 6" round wall mount

Light direction/lamps up/lamps down/shielding

Up Lights
1 lamp up
- **010000** open
- **010100** baffle
- **010200** lens

2 lamps up
- **020004** open
- **020102** baffle
- **020202** lens

1 lamp up
- **310202** lens
- **310652** open/lens

Downlights
1 lamp down
- **101100** baffle
- **101200** lens
- **101201** lens
- **101202** lens

2 lamps down
- **102102** baffle
- **102203** lens

1 lamp down
- **201103** baffle
- **201203** lens
- **201503** open/baffle
- **201653** open/lens
- **201753** lens/baffle

1 lamp down
- **401204** lens
- **401654** open/lens

Up and Downlights
1 lamp up, 1 lamp down
- **211104** baffle
- **211204** lens
- **211504** open/baffle
- **211654** open/lens
- **211754** lens/baffle

1 lamp up, 1 lamp down
- **311204** lens
- **311654** open/lens

2 lamps up, 1 lamp down
- **321203** lens
- **321653** open/lens

1 lamp up, 1 lamp down
- **411206** lens
- **411656** open lens

1 lamp up, 2 lamps down
- **412205** lens
- **412655** open/lens

Lamp type
- **T8**

Nominal fixture row length
Specify nominal fixture/row length in feet.
__**FT**

Maximum section length
- **R4** 4' section
- **R8** 8' section
- **R12** 12' section

Voltage
- **120**
- **277**
- **347**

Ballast type
- **GEB** Electronic ballast
- **GEB10** GEB10 10% THD ballast

Emergency type
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack with night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Double circuit

Number of emergency sections
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Mounting
- **F1/** T-bar ceiling
- **F2/** Hard ceiling horizontal J-box
- **F3/** Stem mount

Feed/overall suspension[1]
- **12** 12"
- **15** 15"
- **18** 18"
- **21** 21"
- **24** 24"
- **XX** XX"

Lamp color
- **L/LP** No lamp
- **LP730** 3000°K, 70 + CRI
- **LP735** 3500°K, 70 + CRI (std.)
- **LP741** 4100°K, 70 + CRI
- **LP830** 3000°K, 80 + CRI
- **LP835** 3500°K, 80 + CRI (std.)
- **LP841** 4100°K, 80 + CRI

Finish[2]
- **C100** Satin anodized finish (standard)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)
- **C099** Custom color (consult factory)

Options
- **RFI** Radio frequency interference suppressors
- **DL** Damp location label
- **CFG** Configuration
- **GMF** Slow blow fuse
- **GLR** Fast blow fuse
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed

NOTES:
1. Follow mounting letter by overall suspension length (ceiling to bottom of fixture) in inches.
2. To match custom color chip, specify C099. If unknown, specify XXX.



9" Round

LD9

Available Summer 2006

Intended Use

A classic design, the LD9 Series features a pure round form, flat endcaps and balanced brightness to create a crisp, classic look. Designed for school, library and commercial spaces, the LD6 luminaire also works well in retail and other public spaces where the classic look combined with the ability to have a higher, direct-light component are desired.

Construction
Housing AA 6063 T6 extruded aluminum forming a 6" rounded channel. Die-cast end plate attaches with no exposed fasteners.

Reflectors
Die-formed reflectors combine hammertone specular aluminum baked white enamel (nominal reflectance 86%)

Finish
Satin anodized or white paint standard; custom colors available.

Electrical
Specify 120 volt, 277 volt or 347 volt. Pre-wired with prescribed circuits. For special circuiting, consult factory.

Nominal Fixture Length
4', 8' and 12' lengths in a single section. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **4 LD9 211650 T8 36FT R12 277 GEB10 EL SCT L/LP F1/24 C100 GMF**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Quantity
Specify number of fixtures.

Fixture
- **LD9** 9" round suspended
- **LD9W** 9" round wall mount

Light direction/lamps up/lamps down/shielding

Up Lights

1 lamp up
- **010000** open
- **010100** baffle

2 lamps up
- **020001** 001 shielding
- **020102** baffle
- **020202** lens

3 lamps up
- **030004** open
- **030104** baffle
- **030203** lens

Downlights

1 lamp down
- **101100** baffle
- **101200** lens

2 lamps down
- **102102** baffle
- **102201** lens

3 lamps down
- **103103** baffle
- **103202** lens

Up and Downlights

1 lamp up, 1 lamp down
- **211200** lens
- **211650** open/lens

2 lamps up, 2 lamps down
- **222100** baffle
- **222201** lens
- **222500** open/baffle
- **222651** open/lens
- **222750** 750 shielding

2 lamps up, 3 lamps down
- **223101** 101 shielding
- **223202** lens
- **223501** open/baffle
- **223652** open/lens

3 lamps up, 2 lamps down
- **232102** baffle
- **232203** lens
- **232502** 502 shielding
- **232653** open/lens
- **232751** lens/baffle

3 lamps up, 3 lamps down
- **233103** baffle
- **233204** lens
- **233503** open/baffle
- **233654** open/lens

Lamp type
- **T8**

Nominal fixture row length
Specify nominal fixture/row length in feet.
- **__FT**

Maximum section length
- **R4** 4' section
- **R8** 8' section
- **R12** 12' section

Voltage
- **120**
- **277**
- **347**

Ballast type
- **GEB** Electronic ballast
- **GEB10** GEB10 10% THD ballast

Number of emergency sections
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Emergency type
- **EL** Emergency battery pack
- **EC** Emergency circuit
- **EN** Emergency battery pack with night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Double circuit

Mounting
- **F1/** T-bar ceiling
- **F2/** Hard ceiling horizontal J-box
- **F3/** Stem mount

Feed/overall suspension[1]
- **12** 12"
- **15** 15"
- **18** 18"
- **21** 21"
- **24** 24"
- **XX** XX"

Lamp color
- **L/LP** No lamp
- **LP730** 3000°K, 70 + CRI
- **LP735** 3500°K, 70 + CRI (std.)
- **LP741** 4100°K, 70 + CRI
- **LP830** 3000°K, 80 + CRI
- **LP835** 3500°K, 80 + CRI (std.)
- **LP841** 4100°K, 80 + CRI

Finish[2]
- **C100** Satin anodized finish (standard)
- **C200** Peerless standard white (low gloss)
- **C005** Soft white (low gloss)
- **C032** White white (gloss)
- **C041** White white (low gloss)
- **C099** Custom color (consult factory)

Options
- **RFI** Radio frequency interference suppressors
- **DL** Damp location label
- **CFG** Configuration
- **GMF** Slow blow fuse
- **GLR** Fast blow fuse
- **ELH** EM through-wire harness
- **ELS** EM through-wire harness with single feed

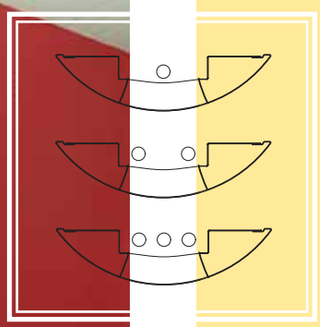
NOTES:
1. Follow mounting letter by overall suspension length (ceiling to bottom of fixture) in inches.
2. To match custom color chip, specify C099. If unknown, specify XXX.



Suspended Lighting

Peerlite® is the lighting product of choice in multi-task environments where performance is critical but resources are limited. Available in sleek contemporary forms with advanced optics, these affordable modular systems deliver soft, high-quality illumination for utmost visual comfort.





Peerlite® BY PEERLESS®

High-Performance Lighting

Indirect/Open or Partially Perforated

Cerra®7

Peerlite BY PEERLESS

Intended Use

The Cerra® 7 Series features a pure crescent architectural form and delivers exceptional performance and versatility. Cerra® 7 optical systems are precisely engineered to fully utilize our advanced high-output T5 (HOT-5®) fixture technology.

Designed for commercial and educational spaces, the petite Cerra® 7 Series has a nominal height of only 2". The optional die-cast sculptured end caps finish the rows with an elegant accent.

Features

2" x 7" crescent.

1, 2 or 3 lamps T5HO.

Partially perforated and indirect/open.

Rugged, one-piece, cold rolled steel construction.

The Cerra® 7 Series features the smallest crescent profile in the industry and pure architectural form.

The distinctive square window pattern creates a dynamic visual fluidity as a unique highlight option.

Specular high-performance reflectors are offered for partially perforated and indirect/open.

Sculptured end caps also are available for an elegant accent.

Refer to the Peerlite catalog or your agent for ordering information.

Electrical

Specify 120 volt, 277 volt or 347 volt. Pre-wired with 16-gauge fixture wire. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors and T5HO lamps included.

Fixture Length

4', 8' and 12' lengths in a single section for exact suspension spacing of 4', 8' and 12'. For total fixture length, add 1/16" for each flat end plate or 3" for each sculptured end cap. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **7CRM2 2 54T5HO WHR 40FT R12 277 GEB10 DCT LP835 F1/18 SCEP**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Type
- **7CRM1** Indirect
- **7CRM2** Indirect/open
- **7CRM7** Partially perforated

Rows and sections[1]
- **_FT R4**
- **_FT R8**
- **_FT R12**

Voltage
- **120**
- **277**
- **347**

Ballast[2]
- **GEB10**

Emergency type[3,4]
- (blank) None
- **EL** Emergency battery pack
- **EC** Emergency/night-light circuit
- **EN** Emergency battery pack with night-light circuit

Mounting type
- **F1/** T-bar ceiling (Universal mounting bracket)
- **F2/** Hard ceiling (horizontal j-box)
- **F4A/** IDS clip, 15/16" tee
- **F4B/** IDS clip, 9/16" tee
- **F4C/** IDS clip, screw slot

Feed/overall suspension[5]
- **12** 12"
- **15** 15"
- **18** 18"
- **21** 21"
- **24** 24"
- **XX** XX"

Lamps
- **1 54T5HO**
- **2 54T5HO**
- **3 54T5HO**

Number of lamps in cross section and lamp type.

Reflector
- **WHR** White (standard)
- **SPR** Specular

Number of emergency sections[3]
- (blank) None
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections*

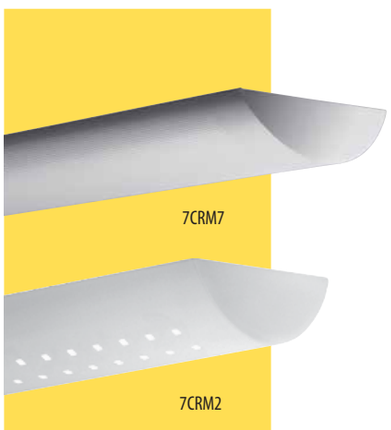
*May specify up to number of fixture sections per run.

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

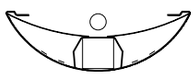
Lamp color
- **L/LP** No lamp
- **LP830** 3000˚K, 80 + CRI
- **LP835** 3500˚K, 80 + CRI (standard)
- **LP841** 4100˚K, 80 + CRI

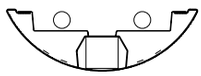
Options
- **ACG** Adjustable cable grippers
- **SCEP** Sculptured end caps
- **ELH** EM through-wire with separate feed[6]
- **DU** Dust cover
- **GMF** Slow blow fuse
- **GLR** Fast blow fuse
- **CMG** Cord manager
- **OTM** On tenon mounting
- **APF** Alternate power feed
- **NYC** New York City code
- **ELS** EM through-wire with single feed

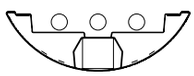
NOTES:
1. Specify nominal row length in 4' increments. R4/R8/R12 indicates maximum length of section. Example: 40FT R12 is a 40' run with a 12' maximum section length.
2. GEB10 = generic electronic ballast, <10% THD. Consult factory for dimming options.
3. Optional.
4. EL, EN and EC are installed in last 4' of fixture sections and are not available concurrently. Separate feed required for each EL or EC unless ELH option is specified.
5. Suspension length is measured from finished ceiling to bottom of fixture.
6. For single feed of all emergency or night-light sections in row from opposite end of normal power feed.

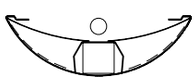


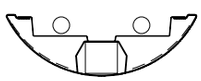
LUMINAIRE CROSS SECTIONS (2" x 7" Nominal)

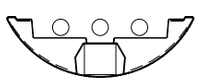

7CRM2 – 1 T5HO lamp


7CRM2 – 2 T5HO lamps


7CRM2 – 3 T5HO lamps


7CRM7 – 1 T5HO lamp


7CRM7 – 2 T5HO lamps


7CRM7 – 3 T5HO lamps

Cerra®10

Peerlite BY PEERLESS

Intended Use

The Cerra® 10 Series features a pure crescent architectural form and delivers exceptional performance and versatility. Cerra® 10 optical systems are precisely engineered to fully conventional T8 lamps.

Designed for commercial and educational spaces, the slender Cerra® 10 Series has a nominal height of only 3". The optional die-cast sculptured end caps finish the rows with an elegant accent.

Features

3" x 10" crescent.

2, 3, or 4 T8 lamps.

Partially perforated, fully perforated and indirect/open.

Rugged, one-piece, cold rolled steel construction.

The Cerra® 10 Series shares the crescent form of the Cerra® 7 Series with a slightly larger scale.

On projects where other crescent shapes are specified, the Cerra® 10 Series is a competitive alternative with many value-added features.

Refer to the Peerlite catalog or your agent for ordering information.

Electrical

Specify 120 volt, 277 volt or 347 volt. Pre-wired with 16-gauge fixture wire. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors and T8 lamps included.

Fixture Length

4', 8' and 12' lengths in a single section for exact suspension spacing of 4', 8', and 12'. For total fixture length, add 1/16" for each flat end plate or 4" for each sculptured end cap. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **10CRM2 4 32 WHR 40FT R12 277 GEB DCT LP735 F1/18 SCEP**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Type

10CRM1	Indirect
10CRM2	Indirect/open
10CRM6	Fully perforated
10CRM7	Partially perforated

Lamps

2	**32**
3	**32**[1]
4	**32**[1]

Number of lamps in cross section and lamp type.

Rows and sections[2]

_FT	**R4**
_FT	**R8**
_FT	**R12**

Number of emergency sections[4]

(blank)	None
1SE	1 section
2SE	2 sections
XSE	X sections*

*May specify up to number of fixture sections per run.

Switching

SCT	Single circuit
DCT	Dual circuit

Mountingtype

F1/	T-bar ceiling
F2/	Hard ceiling (horizontal j-box)
F3/	Rigid stem mount[1]
F4A/	IDS clip, 15/16" tee
F4B/	IDS clip, 9/16" tee
F4C/	IDS clip, screw slot

Feed/overall suspension[6]

12	12"
15	15"
18	18"
21	21"
24	24"
XX	XX"

Reflector

WHR	White (standard)
SPR	Specular

Voltage

120
277
347

Ballast[3]

GEB
GEB10

Emergency type[4,5]

(blank)	None
EL	Emergency battery pack
EC	Emergency/night-light circuit
EN	Emergency battery pack with night-light circuit

Lamp color

L/LP	No lamp
LP730	3000˚K, 70+CRI
LP735	3500˚K, 70+CRI (standard)
LP741	4100˚K, 70+CRI
LP830	3000˚K, 80+CRI
LP835	3500˚K, 80+CRI
LP841	4100˚K, 80+CRI

Options

ACG	Adjustable cable grippers
SCEP	Sculptured end caps
ELH	EM through-wire with separate feed[7]
DU	Dust cover
GMF	Slow blow fuse
GLR	Fast blow fuse
CMG	Cord manager
OTM	On tenon mounting
APF	Alternate power feed
NYC	New York City code
ELS	EM through-wire with single feed

NOTES:

1 Not available with 10CRM6.

2 Specify nominal row length in 4' increments. R4/R8/R12 indicates maximum length of section. Example: 40FT R12 is a 40' run with a 12' maximum section length.

3 GEB = generic electronic ballast, <20% THD. GEB10 = generic electronic ballast, <10% THD. Consult factory for dimming options.

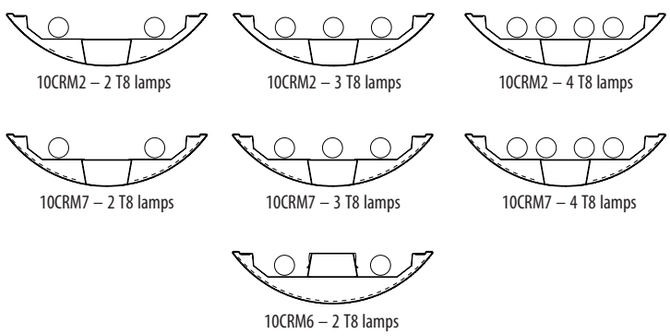
4 Optional.

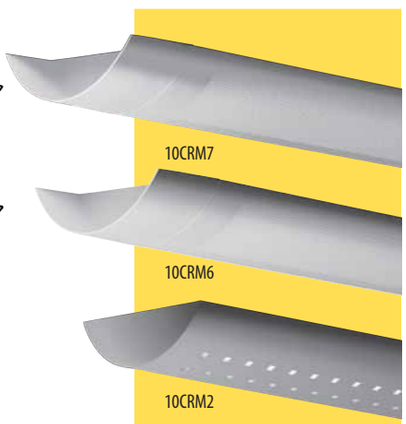
5 EL, EN and EC are installed in last 4' of fixture sections and are not available concurrently. Separate feed required for each EL or EC unless ELH option is specified.

6 Suspension length is measured from finished ceiling to bottom of fixture.

7 For single feed of all emergency or night-light sections in row from opposite end of normal power feed.

LUMINAIRE CROSS SECTIONS (3" x 10" Nominal)





Indirect/Direct

Cerra® ID

Peerlite BY PEERLESS

Intended Use

Cerra® ID from Peerlite, is an indirect/direct suspended luminaire that features a low profile and pure crescent shape. Use Cerra® ID in classrooms, conference rooms, laboratories and office spaces where the general benefits of indirect lighting are desired, but a higher percentage of direct light is required.

Construction
Housing is a nominal 10" x 3" crescent channel formed from one-piece cold-rolled steel. Flat end plate standard. Sculptured die-cast aluminum end cap is optional.

Shielding
SSB – Parabolic aluminum baffle with semi-specular finish.

SBL – White steel straight blade baffle.

PPL – White perforated steel straight blade baffle.

Reflectors
Reflecting surfaces have white finish (nominal reflectance 90%).

Finish
Fine textured white polyester powder paint is standard. Consult factory for special finish requirements.

Electrical
Specify 120, 277 or 347 volts. Pre-wired with 16 ga. fixture wire. For special circuiting or wire guage, consult factory. Plug-in electrical connectors included. T8 lamps included.

Fixture Length
4', 8', and 12' lengths in a single section for nominal suspension spacing of 4', 8' and 12'. For total fixture length, add 1/16" for each flat end plate or 4" for each sculptured end cap. Using internal joiners, 4', 8', and 12' sections can be joined to form longer-length fixtures.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **10CRM4 2 32 WHR SSB 40FT R12 277 GEB DCT LP735 F1/18 SCEP**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Fixture
- **10CRM4**

Lamp type
- **54T5HO**
- **28T5**
- **32**

Baffle
- **SSB** Semi specular
- **SBL** White steel blade
- **PPL** White perforated steel baffle

Voltage
- **120**
- **277**
- **347**

Emergency type (optional)[2]
- (blank) No emergency or night-light
- **EL** Emergency battery pack
- **EC** Emergency/night-light circuit
- **EN** Emergency battery pack with night-light circuit

Mounting type
- **F1/** T-Bar ceiling (universal mounting bracket)
- **F2/** Hard ceiling (horizontal J-box)
- **F3/** Rigid stem mount
- **F4A/** IDS clip 15/16" tee
- **F4B/** IDS clip 9/16" tee
- **F4C/** IDS clip screw slot

Feed/overall suspension
- **12** 12″
- **15** 15″
- **18** 18″
- **21** 21″
- **24** 24″
- **XX** XX″

Number of lamps in cross section
- **1**
- **2**
- **3**

Nominal row length
- **__FT**

Ballast type
- **GEB** T8 only
- **GEB10** 10% THD ballast (consult factory for dimming options)

Distribution
- **WHR** 65% up, 35% down (standard)
- **SPR** Specular[4]
- **40/60** 0% up, 60% down
- **20/80** 20% up, 80% down
- **0/100** 0% up, 100% down
- **CLI** Center lamp isolator[3]

Maximum section length
- **R4**
- **R8**
- **R12**

Number of emergency sections (sections per run) (optional)[1]
- (blank) No emergency
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Lamp color
- **L/LP** No lamps
- **LP730** 3000ºK, 70+CRI
- **LP735** 3500ºK, 70+CRI (standard T8)
- **LP741** 4100ºK, 70+CRI
- **LP830** 3000ºK, 80+CRI
- **LP835** 3500ºK, 80+CRI (standard T5/T5HO)
- **LP841** 4100ºK, 80+CRI

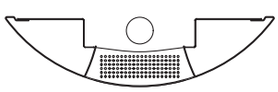
Options
- **ACG** Adjustable cable grippers
- **APF** Alternate power feed
- **CMG** Cord manager
- **DU** Dust cover
- **ELH** EM through-wire with separate feed
- **ELS** EM through-wire with single feed
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **OTM** On tenon mount
- **SCEP** Sculptured end cap
- **NYC** New York City code

NOTES:
1. Maximum number of emergency sections per run equals number of fixture sections, minus one. For additional sections, consult factory.
2. EC and EL not available concurrently. EL and EC not available with DCT in 4' sections. Separate feed required.
3. Available with 3 lamp cross section only.

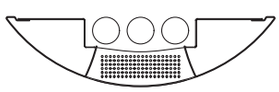
NEW

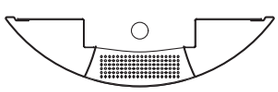


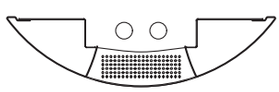
LUMINAIRE CROSS SECTIONS

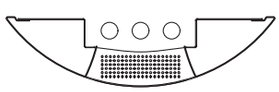

10CRM4 – 1 T8 lamp


10CRM4 – 2 T8 lamps


10CRM4 – 3 T8 lamps


10CRM4 – 1 T5/T5HO lamp


10CRM4 – 2 T5/T5HO lamps


10CRM4 – 3 T5/T5HO lamps

Cerra® Lightvent

Intended Use

With a pure crescent shape, parallel baffled openings and perforated side walls to soften the fixture and provide a luminous form, Cerra® Lightvent from Peerlite delivers soft, even illumination for office and school lighting applications. Cerra® Lightvent is available in the petit Cerra® 7 family and the architecturally refined Cerra® 10 family.

Construction

Specify 7" x 2" or 10"x3" crescent channel formed from one-piece cold-rolled steel. Flat end plate standard. Sculptured die cast aluminum end cap is optional.

Reflectors

Reflecting surfaces have white finish (nominal reflectance 90%).

Finish

Fine textured white polyester powder paint is standard. Consult factory for special finish requirements.

Shielding

Parallel white painted steel baffles with acrylic opal diffuser overlay. Die-punched perforations on upper housing with acrylic opal diffuser overlay.

Electrical

Specify 120 volt, 277 volt or 347 volt. Pre-wired with 16 ga. fixture wire. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors included. T8,T5 or T5HO lamps included.

Fixture Length

4', 8' and 12' lengths in a single section for nominal suspension spacing of 4', 8' and 12'. For total fixture length, add 1/16" for each flat end plate. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **7CRM3 2 54T5HO WHR 40FT R12 277 GEB10 DCT LP835 F1/18 SCEP**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Fixture
- **7CRM3**
- **10CRM3**

Number of lamps in cross section
- **1**[4]
- **2**
- **3**
- **4**

Lamp type
- **54T5HO**
- **28T5**
- **32**[5]

Reflector
- **WHR** White reflector (standard)

Maximum section length
- **R4**
- **R8**
- **R12**

Nominal row length[1]
- **__FT**

Voltage
- **120**
- **277**
- **347**

Ballast type
- **GEB** T8 only
- **GEB10** <10% THD ballast (consult factory for dimming options)

Number of emergency sections[2]
- (blank) No emergency
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Emergency type[2, 3]
- (blank) No emergency or night-light
- **EL** Emergency battery pack
- **EC** Emergency/night-light circuit
- **EN** Emergency battery pack with night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Mounting type
- **F1/** T-Bar ceiling (universal mounting bracket)
- **F2/** Hard ceiling (horizontal J-box)
- **F3/** Rigid stem mount (10CRM3 only)
- **F4A/** IDS clip 15/16" tee
- **F4B/** IDS clip 9/16" tee
- **F4C/** IDS clip screw slot

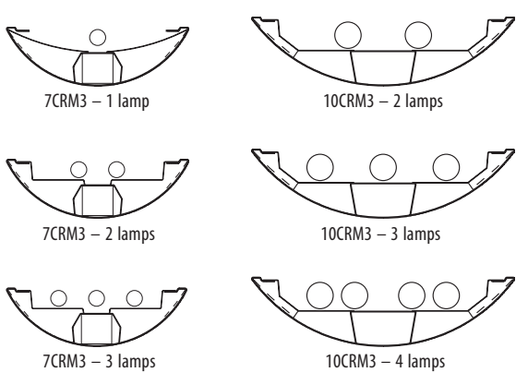
Lamp color
- **L/LP** No lamps
- **LP730** 3000°K, 70+CRI
- **LP735** 3500°K, 70+CRI (standard T8)
- **LP741** 4100°K, 70+CRI
- **LP830** 3000°K, 80+CRI
- **LP835** 3500°K, 80+CRI (standard T5/T5HO)
- **LP841** 4100°K, 80+CRI

Feed/overall suspension
- **12** 12″
- **15** 15″
- **18** 18″
- **21** 21″
- **24** 24″
- **XX** XX″

Options
- **ACG** Adjustable cable grippers
- **APF** Alternate power feed
- **CMG** Cord manager
- **DU** Dust cover
- **ELH** EM through-wire with separate feed
- **ELS** EM through-wire with single feed
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **OTM** On tenon mount
- **SCEP** Sculptured end cap
- **NYC** New York City code

NOTES:
1. Must be in 4' increments.
2. Optional.
3. EL and EC are installed in last 4' of fixture sections and are not available concurrently with each other. Separate feed required for each EL or EC unless ELS/ELH is specified.
4. Not available on 10CRM3.
5. Not available on 7CRM3.

LUMINAIRE CROSS SECTIONS



NEW



Cerra® Accessories

Peerlite BY PEERLESS

Features

Sculptured ends

Die-cast aluminum with a minimizing, elegant design.

Available for all Cerra® product offerings.

Corners and Tenons

Die-cast aluminum with aluminum extrusions.

Allows you to create configurations or introduce architectural rhythm into a space.

Available for all Cerra® product offerings.

Refer to the Peerlite catalog or your agent for ordering information.

---

1 Determine desired configuration of fixtures, tenons and corners.

For total row length, sum 4', 8' and 12' fixture sections and add tenon and corner dimensions as shown in the Peerlite catalog. Consult factory for layout assistance if required.

2 Order fixture sections.

See Peerlite catalog for ordering information.

3 Specify desired component.

See below.

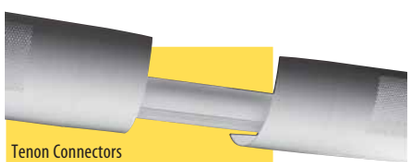
End Caps and Connector Kits

Notes:

1) Each end cap kit includes two end caps. Only one set is needed per row.
2) Flat end caps should not be used in conjunction with tenon or corner configurations.
3) Through-wire harnesses required on tenon and corner kits when feeding emergency sections.

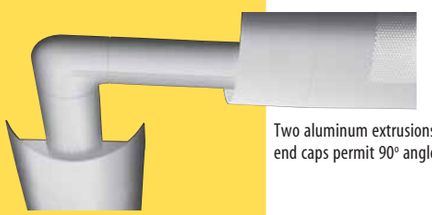
Cerra® 7 end caps, connector kits	
7CRMEP SCEP	Sculptured end cap kit
7CRMEP	Flat end plate kit
7CRM TNN	Tenon kit (includes end cap, attached on each end)
7CRM TNN ELH	Tenon kit with EM through-wire harness
7CRM CNR	90° corner kit (includes end cap, attached on each end)
7CRM CNR ELH	90° corner kit with EM through-wire harness

Cerra® 10 end caps, connector kits	
10CRMEP SCEP	Sculptured end cap kit
10CRMEP	Flat end plate kit
10CRM TNN	Tenon kit (includes end cap, attached on each end)
10CRM TNN ELH	Tenon kit with EM through-wire harness
10CRM CNR	90° corner kit (includes end cap, attached on each end)
10CRM CNR ELH	90° corner kit with EM through-wire harness



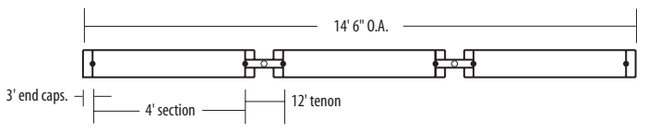
Tenon Connectors

Extruded aluminum, sculptured die-cast end caps separate luminaire sections creating an architectural rhythm.

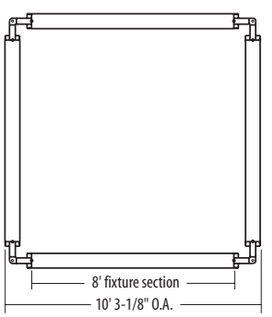


Corner Sections

Two aluminum extrusions, a die-cast corner and two sculptured end caps permit 90° angles and maintain electrical feed.



Corner connectors create the opportunity for 90° angles in row sections while maintaining electrical feed and consistent architectural appearance.



Cerra® Wall

Peerlite BY PEERLESS

Intended Use

With a clean architectural form and exceptional performance, the Cerra® WallSeries offers extraordinary versatility in a wall-mount indirect luminaire.

These elegant luminaires complement the Cerra® 7 and Cerra® 10 suspended products enabling them to be used together on projects. The optional die-cast sculptured end caps finish the rows with an elegant accent.

Features

1 or 2 lamps, T8 or T5HO.

Indirect, partially perforated and indirect/open.

Rugged, one-piece, cold rolled steel construction.

Unlike the competition, the optics of the Cerra® Wall Series are designed to create uniform illumination with no socket shadows. This superior performance is offered at the same or lower price.

Refer to the Peerlite catalog or your agent for ordering information.

Electrical

Specify 120 volt, 277 volt or 347 volt. Pre-wired with 16-gauge fixture wire. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors and lamps included.

Fixture Length

Nominal 4', 8' and 12' lengths form row lengths. Actual section length = 11 5/8" per nominal foot specificed.

For total fixture length, add 1/16" for each flat end plate or 4" for each sculptured end cap. For longer run lengths, sections are attached using internal joiners.

2' and 3' sections available; consult factory for details.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **CRW2 1 54T5HO WHR 40FTN R12 277 GEB10 SCT LP835 SCEP**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Type

CRW1	Indirect
CRW2	Indirect/open
CRW3	Indirect/ partially perforated
CRW7	Partially perforated

Lamps

1	**32**
1	**28T5**
1	**54T5HO**
2	**32**
2	**28T5**
2	**54T5HO**

Number of lamps in cross section and lamp type.

Rows and sections[1]

_FTN[6]	**R4**
_FTN[6]	**R8**
_FTN[6]	**R12**
_FT	**R4**
_FT	**R8**
_FT	**R12**

Voltage

120
277
347

Ballast[2]

GEB	(T8 only)
GEB10	

Emergency type[3,4]

(blank)	None
EL	Emergency battery pack
EC	Emergency/night-light circuit
EN	Emergency battery pack with night-light circuit

Options

SCEP	Sculptured end caps
ELH	EM through-wire with separate feed[5]
ELS	EM through-wire with single feed
DU	Dust cover
GMF	Slow blow fuse
GLR	Fast blow fuse

Reflector

WHR	White (standard)
SPR	Specular

Number of emergency sections[3]

(blank)	None
1SE	1 section
2SE	2 sections
XSE	X sections*

* May specify up to number of fixture sections per run.

Switching

SCT	Single circuit
DCT	Dual circuit

Lamp color

L/LP	No lamp
LP730	3000˚K, 70+ CRI
LP735	3500˚K, 70+ CRI (standard T8)
LP741	4100˚K, 70+ CRI
LP830	3000˚K, 80+ CRI
LP835	3500˚K, 80+ CRI (standard T5/T5HO)
LP841	4100˚K, 80+ CRI

NOTES:

1 Specify nominal row length in 4' increments. R4/R8/R12 indicates maximum length of section. Example: 40FT R12 is a 40' run with a 12' maximum section length. Consult factory for additional increments.

2 GEB10 = generic electronic ballast, < 10% THD. Consult factory for dimming options. GEB is standard for T8. GEB10 is standard for HOT-5®.

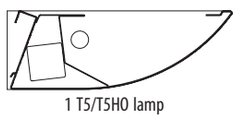
3 Optional.

4 EL, EN and EC are installed in last 4' of fixture sections and are not available concurrently. Separate feed required for each EL or EC unless ELH option is specified.

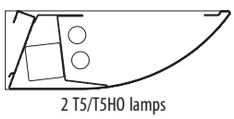
5 For single feed of all emergency or night-light sections in row from opposite end of normal power feed.

6 Specify for T5HO/T5.

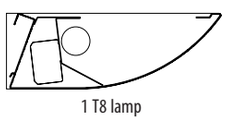
LUMINAIRE CROSS SECTIONS (8" x 3" Nominal)



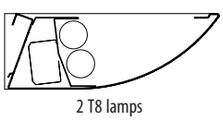
1 T5/T5HO lamp



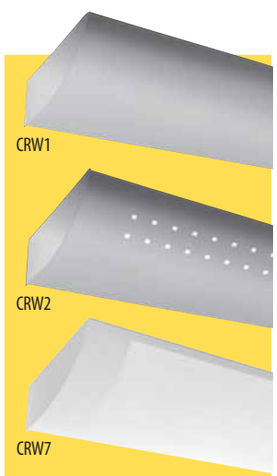
2 T5/T5HO lamps



1 T8 lamp



2 T8 lamps



Baffle

Cerra® Baffle

Peerlite BY PEERLESS

Intended Use

A new take on a classic full baffle design, the Cerra® Baffle Series features a pure crescent form, sculptured endcaps, and balanced zonal brightness to create a crisp, fresh look.

Designed for school, library, and commercial spaces, Cerra® Baffle also works well in retail and other public spaces where the distinctive look combined with the ability to have a higher, direct-light component are desired.

Features

Full-baffle style crescent form. Nominal 3" x 10" size.

Extruded aluminum spline with one-piece aluminum baffle and steel and die-cast aluminum endcap.

Available in 2,3,4 T8 lamp configurations and 1,2,3,4 T5/T5HO lamp configurations.

Opal diffuser available to shield lamp view. Standard with T5/T5HO lamping and as an option with T8.

Multiple indirect and direct light distribution options: T8 – 70/30, 50/50, 30/70, 5/95. T5/T5HO – 80/20, 40/60, 5/95.

Two standard finishes are available; white low-gloss and natural aluminum. Optional custom colors also available on spline and end plates.

Electrical

Specify 120 volt, 277 volt or 347 volt. Pre-wired with 16-gauge fixture wire. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors and lamps included.

Fixture Length

4', 8' and 12' lengths in a single section for exact suspension spacing of 4', 8' and 12'. For total fixture length, add 1" for each end cap.

Using internal joiners, 4', 8' and 12' sections can be joined to form longer rows.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **10CRM8 2 32 40FT R8 277 GEB10 DCT LP835 F1/18 C100 ACG**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Fixture
10CRM8

Lamps

1	**28T5**
1	**54T5HO**
2	**32**
2	**28T5**
2	**54T5HO**
3	**32**
3	**T5**
3	**T5HO**
4	**32**
4	**28T5**
4	**54T5HO**

Number of lamps in cross section and lamp type.

Rows and sections[1]

_FT	**R4**
_FT	**R8**
_FT	**R12**

Voltage[2]

120
277
347

Shielding options

T5/T5HO

blank	**80/20** (standard)
	40/60
	5/95

T8

blank	**70/30** (standard)
	50/50
	30/70
	5/95

Ballast[3]

GEB	T8 only
GEB10	

Number of emergency sections[4]

(blank)	None
1SE	1 section
2SE	2 sections
XSE	X sections*

* May specify up to number of fixture sections per run.

Emergency type[2,4,5]

(blank)	None
EL	Emergency battery pack
EC	Emergency/ night-light circuit
EN	Emergency battery pack with night-light circuit

Switching[6]

SCT	Single circuit
DCT	Dual circuit

Lamp color

L/LP	No lamp
LP730	3000˚K, 70 + CRI
LP735	3500˚K, 70 + CRI (standard T8)
LP741	4100˚K, 70 + CRI
LP830	3000˚K, 80 + CRI
LP835	3500˚K, 80 + CRI (standard T5/T5HO)
LP841	4100˚K, 80 + CRI

Mounting type

F1/	T-Bar ceiling (universal mounting bracket)
F2/	Hard ceiling (horizontal J-box)
F3/	Rigid stem mount
F4A/	IDS clip 15/16" tee
F4B/	IDS clip 9/16" tee
F4C/	IDS clip screw slot

Feed/overall suspension

12	12"
15	15"
18	18"
21	21"
24	24"
XX	XX"

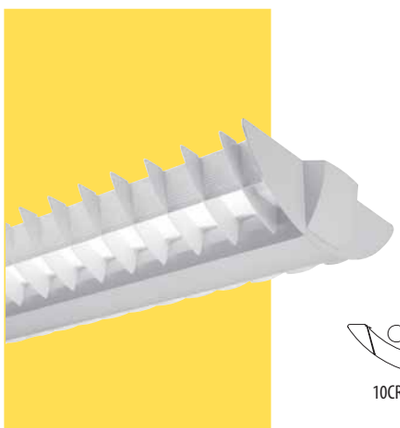
Finish

C041	White (standard)
C100	Natural aluminum

Consult Peerlite Color Ordering Guide for other color options.

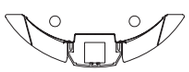
Options

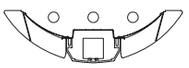
ACG	Adjustable cable grippers
CMG	Cord manager
DU	Dust cover
ELH	EM through-wire with separate feed
ELS	EM through-wire with single feed
GLR	Fast-blow fuse
GMF	Slow-blow fuse
RIF	Radio interference filter

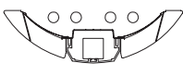


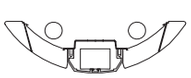
LUMINAIRE CROSS SECTIONS (3" x 10" Nominal)


10CRM8 – 1 T5/T5HO lamp

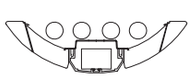

10CRM8 – 2 T5/T5HO lamps


10CRM8 – 3 T5/T5HO lamps


10CRM8 – 4 T5/T5HO lamps


10CRM8 – 2 T8 lamps


10CRM8 – 3 T8 lamps


10CRM8 – 4 T8 lamps

NOTES:

1. Specify nominal row length in 4' increments. R4/R8/R12 indicates maximum length of section. Example: 40FTR12 is a 40' run with a 12' maximum section length.
2. EL, EN, dimming ballast not available with 347V.
3. GEB = generic electronic ballast, <20% THD. GEB10 = generic electronic ballast, 10% THD. Consult factory for dimming options.
4. Optional.
5. EL and EC are installed in last 4' of fixture sections and are not available concurrently with each other. Separate feed required for each EL, EC, or EN unless ELH or ELS specified.
6. Use with DCT option to switch indirect and direct separately.

Cerra® Baffle Wall

Intended Use

The Cerra® Baffle Wall Series uses the distinct design element of the classic full baffle luminaire and applies them to a wall-mount luminaire providomg balanced zonal brightness and a crisp, fresh look.

These elegant luminaries complement the Cerra® Baffle and Cerra® Direct suspended products enabling them to be used together on projects. Designed for commercial, educational, and public spaces where a wall-mount indirect luminaire is required.

Features

Full-baffle style half-crescent form. Nominal 3"x 6.5" size.

Extruded aluminum spline with one-piece aluminum baffle and steel and die-cast aluminum endcap.

Available in 1- and 2-lamp T8, T5, and T5HO lamp configurations.

Two standard finishes are available; white low-gloss and natural aluminum. Optional custom color also available on spline and end plates.

Electrical

Specify 120 volt, 277 volt or 347 volt. Pre-wired with 16-gauge fixture wire. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors and lamps included.

Fixture Length

Nominal 4', 8' and 12' sections form row lengths. For longer run lengths, sections are attached using internal joiners.
2' and 3' sections available, consult factory for details.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **CRW8 2 54T5HO WHR 40FT R8 277 GEB10 DCT LP835 C100 GLR**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Fixture
- **CRW8**

Reflector
- **WHR** (standard)

Voltage[2]
- **120**
- **277**
- **347**

Number of emergency sections[3]
- (blank) None
- **1SE** 1 sections*
- **2SE** 2 sections*
- **XSE** X sections*

* May specify up to number of fixture sections per run.

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Finish
- **C041** White (standard)
- **C100** Natural aluminum

Consult Peerlite Color Ordering Guide for other color options.

Lamps
- **1 32**
- **1 28T5**
- **1 54T5HO**
- **2 32**
- **2 28T5**
- **2 54T5HO**

Number of lamps in cross section and lamp type.

Rows and sections[1]
- **_FT R4**
- **_FT R8**
- **_FT R12**

Ballast[3,4]
- (blank) None
- **GEB** T8 only
- **GEB10**

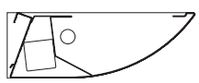
Emergency type[3,5]
- (blank) None
- **EL** Emergency battery pack
- **EC** Emergency circuit/night-light circuit
- **EN** Emergency battery pack with night-light circuit

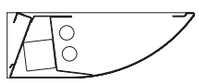
Lamp color
- **L/LP** No lamp
- **LP730** 3000°K, 70 + CRI
- **LP735** 3500°K, 70 + CRI (standard T8)
- **LP741** 4100°K, 70 + CRI
- **LP830** 3000°K, 80 + CRI
- **LP835** 3500°K, 80 + CRI (standard T5/T5HO)
- **LP841** 4100°K, 80 + CRI

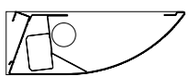
Options
- **DU** Dust cover
- **ELH** EM through-wire with separate feed
- **ELS** EM through-wire with single feed
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse

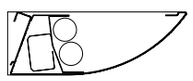
NOTES:
1. Specify nominal row length in 4' increments. R4/R8/R12 indicates maximum length of section. Example: 40FT R12 is a 40' run with a 12' maximum section length. Consult factory for additional increments.
2. EL, EN, dimming ballast not available with 347V.
3. Optional.
4. GEB = generic electronic ballast, <20% THD. GEB10 = generic electronic ballast, 10% THD. Consult factory for dimming options.
5. EL and EC are installed in last 4' of fixture sections and are not available concurrently with each other. Separate feed required for each EL, EC or EN unless ELH or ELS specified.

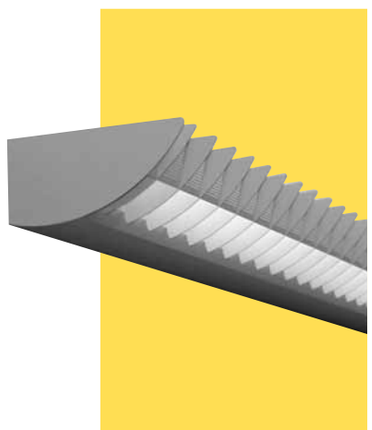
LUMINAIRE CROSS SECTIONS (8" x 3" Nominal)


CRW8 – 1 T5/T5HO lamp


CRW8 – 2 T5/T5HO lamps


CRW8 – 1 T8 lamp


CRW8 – 2 T8 lamps



www.peerless-lighting.com

Direct/Baffle

Cerra® Direct

Peerlite BY PEERLESS

Intended Use

For those applications where only direct light is needed from a suspended or surface-mounted luminaire, the Cerra® Direct Series is the solution. With a clean crescent shape and classic full baffle design, Cerra® Direct can be applied successfully in a variety of applications in commercial and retail spaces.

Features

Full-baffle style crescent form. Nominal 3″ x 7″ size.

Pendant and surface-mount products available.

Extruded aluminum spline with one-piece aluminum baffle and steel and die-cast aluminum endcap.

Available in 1- and 2-lamp T8, T5, and T5HO lamp configurations.

Straight blade baffles with perforated side reflector/shield.

Two standard finishes are available; white low-gloss and natural aluminum. Optional custom color also available on spline and end plates.

Electrical

Specify 120 volt, 277 volt or 347 volt. Pre-wired with 16-gauge fixture wire. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors and lamps included.

Fixture Length

4', 8' and 12' lengths in a single section for exact suspension spacing of 4', 8' and 12'. For total fixture length, add 1" for each end cap. Using internal joiners, 4', 8' and 12' sections can be joined to form longer rows.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **7CDM8 2 54T5HO 40FT R8 277 GEB10 DCT LP835 F1/18 C100 GMF**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Fixture
- **7CDM8** (suspended)
- **7CDC8** (suspended)

Lamps
- **1 32**
- **1 28T5**
- **1 54T5HO**
- **2 32**
- **2 28T5**
- **2 54T5HO**

Number of lamps in cross section and lamp type.

Rows and sections[1]
- **_FT R4**
- **_FT R8**
- **_FT R12**

Voltage
- **120**
- **277**
- **347**[2]

Ballast[3,4]
- **GEB** T8 only
- **GEB10** <10% THD ballast

Number of emergency sections[3]
- (blank) None
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections*

*May specify up to number of fixture sections per run.

Emergency type[3,5]
- (blank) None
- **EL** Emergency battery pack
- **EC** Emergency circuit/night-light circuit
- **EN** Emergency battery pack with night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Lamp color
- **L/LP** No lamp
- **LP730** 3000°K, 70 + CRI
- **LP735** 3500°K, 70 + CRI (standard T8)
- **LP741** 4100°K, 70 + CRI
- **LP830** 3000°K, 80 + CRI
- **LP835** 3500°K, 80 + CRI (standard T5/T5HO)
- **LP841** 4100°K, 80 + CRI

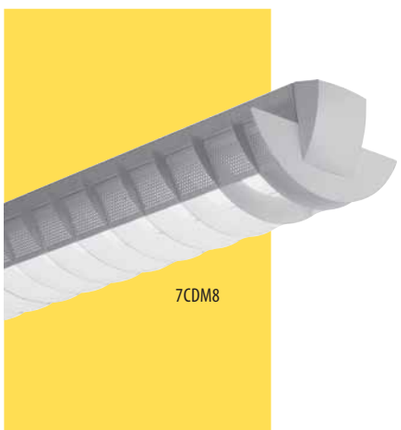
Mounting type
- **F1/** T-Bar ceiling
- **F2/** Hard ceiling (horizontal J-box)
- **F3/** Rigid stem mount
- **F4A/** IDS clip 15/16" tee
- **F4B/** IDS clip 9/16" tee
- **F4C/** IDS clip screw slot

Feed/overall suspension[6]
- **12** 12″
- **15** 15″
- **18** 18″
- **21** 21″
- **24** 24″
- **XX** XX″

Finish
- **C041** White (standard)
- **C100** Natural aluminum

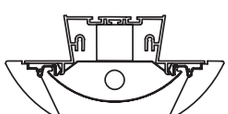
Consult Peerlite Color Ordering Guide for other color options.

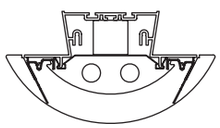
Options
- **ACG** Adjustable cable grippers[6]
- **ELH** EM through-wire with separate feed
- **ELS** EM through-wire with single feed
- **VSS** Variable support spacing[6]
- **NYC** New York City code
- **OTM** On tenon mounting
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **CMG** Cord manager[6]
- **APF** Alternate power feed[6]



LUMINAIRE CROSS SECTIONS (3" x 7" Nominal)


7CDM8 – 1 T8 lamp


7CDC8 – 1 T5/T5HO lamp


7CDC8 – 2 T5/T5HO lamp

NOTES:
1. Specify nominal row length in 4′ increments. R4/R8/R12 indicates maximum length of section. Example: 40FTR12 is a 40′ run with a 12′ maximum section length.
2. EL, EN, dimming ballast not available with 347V.
3. Optional.
4. GEB = generic electronic ballast, <20% THD. GEB10 = generic electronic ballast, 10% THD. Consult factory for dimming options.
5. EL and EC are installed in last 4′ of fixture sections and are not available concurrently with each other. Separate feed required for each EL, EC, or EN unless ELH or ELS specified.
6. Use only with 7CDM8 suspended fixtures.

Cerra® Direct Diffused

Intended Use

Cerra® Direct Diffused incorporates straight blade baffles and an acrylic opal diffuser to deliver soft, eye-pleasing light. Ideal for spaces that require a direct light and the added comfort of a diffuser such as retail, library stacks, corridors and circulation spaces.

Construction
Nominal 7" x 3 3/4" with extruded aluminum spline and nominal four-foot, one-piece aluminum baffle assemblies and steel and die-cast aluminum sculptured endcap.

Reflectors
White, polyester powder center reflector (nominal reflectance 90%). White, polyester powder perforated side reflector/shield (nominal reflectance 90%).

Natural finish option includes clear-coat aluminum baffle and perforated side reflector/shield.

Shielding
Straight blade baffles with acrylic opal diffuser overlay.

Finish
White polyester powder.

On the natural finish option, the spline is anodized with a clear coat baffle and a painted endcap. Optional custom color on the spline and endcaps is available; consult factory.

Electrical
Specify 120, 277 or 347 volts. Pre-wired with 16awg. fixture wire. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors included.

Fixture Length
4', 8' and 12' lengths in a single section for exact suspension spacing of 4', 8' and 12'. For total fixture length, add 1" for each endcap. Using internal joiners 4', 8', and 12' sections can be joined to form longer rows.

Listings
UL Listed to US and Canadian safety standards.

Ordering Information

Example: **7CDM8 1 28T5 OPD 20FT R8 120 GEB10 SCT LP835 F1/18**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Fixture
- **7CDM8** (suspended)
- **7CDC8** (surface)

Number of lamps in cross section
- **1**

Lamp type
- **54T5HO**
- **28T5**[1]
- **32**

Baffle type
- **OPD** Standard brightness
- **OPI** Intermediate brightness diffuser

Nominal row length[2]
- **__FT**

Maximum section length
- **R4**
- **R8**
- **R12**

Voltage
- **120**
- **277**
- **347**[3]

Ballast type[4]
- **GEB** T8 only
- **GEB10** <10% THD ballast (consult factory for dimming options)

Number of emergency sections[2]
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections

Emergency type[5,6]
- **EL** Emergency battery pack
- **EC** Emergency circuit/ night-light circuit
- **EN** Emergency battery pack with night-light circuit

Switching
- **SCT** Single circuit

Mounting type
- **F1/** T-Bar ceiling (universal mounting bracket)
- **F2/** Hard ceiling (horizontal J-box)
- **F3/** Rigid stem mount
- **F4A/** IDS clip 15/16" tee
- **F4B/** IDS clip 9/16" tee
- **F4C/** IDS clip screw slot

Lamp color
- **L/LP** No lamps
- **LP730** 3000°K, 70+CRI
- **LP735** 3500°K, 70+CRI (standard T8)
- **LP741** 4100°K, 70+CRI
- **LP830** 3000°K, 80+CRI
- **LP835** 3500°K, 80+CRI (standard T5/T5HO)
- **LP841** 4100°K, 80+CRI

Feed/overall suspension[7]
- **12** 12″
- **15** 15″
- **18** 18″
- **21** 21″
- **24** 24″
- **XX** XX″

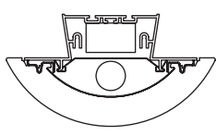
Finish
- **C041** White (standard)
- **C100** Natural aluminum

Consult Peerlite Color Ordering Guide for other color options.

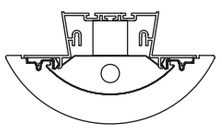
Options
- **ACG** Adjustable cable grippers[7]
- **APF** Alternate power feed[7]
- **CMG** Cord manager[7]
- **ELH** EM through-wire with separate feed
- **ELS** EM through-wire with single feed
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse
- **NYC** New York City code
- **VSS** Variable support spacing[7]

NOTES:
1. Not available with 347 or dimming ballast.
2. Must be in 4' increments.
3. EL, EN, dimming ballast not available with 347V.
4. Consult factory for dimming ballast.
5. Optional.
6. EL and EC are installed in last 4' of fixture sections and are not available concurrently with each other. Separate feed required for each EL, EC or EN unless ELH or ELS is specified.
7. Use only with 7CDM8 suspended fixtures.

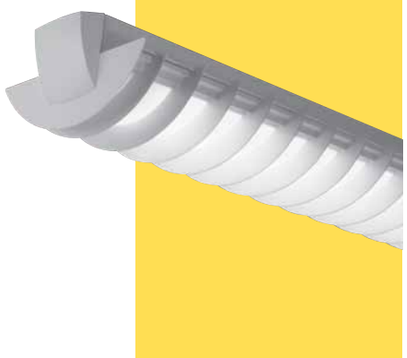
LUMINAIRE CROSS SECTIONS



1 T8 lamp



1 T5/T5HO lamp



Direct/Baffle

Cerra® Direct Accents

Peerlite BY PEERLESS

Intended Use

With a clean crescent shape and classic full baffle design, Cerra® Direct Accents can be applied successfully in a variety of applications in commercial and retail spaces. These elegant luminaires complement the Cerra® Baffle and Cerra® Direct suspended products enabling them to be used together on projects.

A 2′ sconce version also is available.

Features

Full-baffle style crescent form. Nominal 3″ x 7″ size.

Wall-mount and decorative sconce.

Extruded aluminum spline with one-piece aluminum baffle and steel and die-cast aluminum endcap.

Available in 1-lamp T8, T5 and T5HO lamp configurations.

Three diffusers are available, each providing varying degrees of brightness and light control.

Two standard finishes are available; white low-gloss and natural aluminum. Optional custom colors also available on spline and end plates.

Electrical

Specify 120 volt, 277 volt or 347 volt. Pre-wired with 16-gauge fixture wire. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors and lamps included.

Fixture Length

4', 8' and 12' lengths in a single section for exact suspension spacing of 4', 8' and 12'. For total fixture length, add 1" for each end cap. Using internal joiners, 4', 8' and 12' sections can be joined to form longer rows.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **CDW8 1 54T5HO 40FT R8 277 GEB10 SCT LP835 C100 GMF**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Fixture
- **CDW8** Wall mount
- **CDA8** Angle mount

Lamps
- **1 32**
- **1 28T5**
- **1 54T5HO**

Number of lamps in cross section and lamp type.

Rows and sections[2]
- **_FT R4**
- **_FT R8**
- **_FT R12**

Voltage
- **120**
- **277**
- **347**[3]

Ballast[4]
- **GEB** T8 only
- **GEB10**

Emergency type[1,5]
- (blank) None
- **EL** Emergency battery pack
- **EC** Emergency circuit/night-light circuit
- **EN** Emergency battery pack with night-light circuit

Switching
- **SCT** Single circuit
- **DCT** Dual circuit

Finish
- **C041** White (standard)
- **C100** Natural aluminum

Consult Peerlite Color Ordering Guide for other color options.

Options
- **ELH** EM through-wire with separate feed
- **ELS** EM through-wire with single feed
- **NYC** New York City code
- **GLR** Fast blow fuse
- **GMF** Slow blow fuse

Baffle options[1]
- **OPI** Straight blade baffle with intermediate brightness diffuser (standard)
- **OPD** Straight blade baffle with standard brightness diffuser
- **OPL** Straight blade baffle with low brightness diffuser

Number of emergency sections[1]
- (blank) None
- **1SE** 1 section
- **2SE** 2 sections
- **XSE** X sections*

*May specify up to number of fixture sections per run.

Lamp color
- **L/LP** No lamp
- **LP730** 3000˚K, 70 + CRI
- **LP735** 3500˚K, 70 + CRI (standard T8)
- **LP741** 4100˚K, 70 + CRI
- **LP830** 3000˚K, 80 + CRI
- **LP835** 3500˚K, 80 + CRI (standard T5/T5HO)
- **LP841** 4100˚K, 80 + CRI

Ordering Information

Example: **CDS8 1 OPL U2 277 GEB10 C100 WAV**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Fixture
- **CDS8** Sconce

Lamps
- **1**

Number of lamps in cross section.

Baffle options
- **OPL** Straight blade baffle with low brightness diffuser (standard)
- **OPI** Straight blade baffle with intermediate brightness diffuser

Max. section length[1]
- **U2** 2'

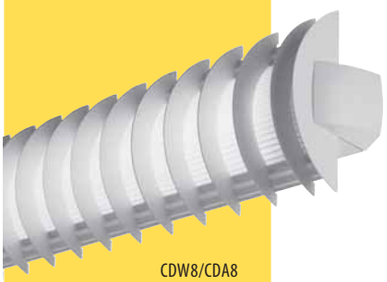
Voltage
- **120**
- **277**
- **347**

Ballast type
- **GEB10**

Finish
- **C041** White (standard)
- **C100** Natural aluminum

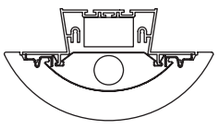
Consult Peerlite Color Ordering Guide for other color options.

Options
- **WAV** Angle mount, vertical
- **WAH** Angle mount, horizontal
- **WSP** Wall spacer
- **WFV** Flush vertical
- **WFV** Flush horizontal

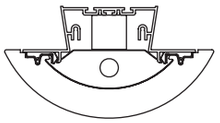


CDW8/CDA8

LUMINAIRE CROSS SECTIONS



1 T8 lamp



1 T5/T5HO lamp

NOTES:

1. Optional.
2. Specify nominal row length in 4' increments. R4/R8/R12 indicates maximum length of section. Example: 40FT R12 is a 40' run with a 12' maximum section length. Consult factory for additional increments.
3. EL, EN, dimming ballast not available with 347V.
4. GEB = generic electronic ballast, <20% THD. GEB10 = generic electronic ballast, 10% THD. Consult factory for dimming options.
5. EL and EC are installed in last 4′ of fixture sections and are not available concurrently with each other. Separate feed required for each EL, EC or EN unless ELH or ELS specified.

Peerlite Aero®

Intended Use

The Aero® Series offers superior design and engineering in a choice of totally indirect or indirect/open fixtures, all of which meet stringent IES RP-1 standards for office lighting. Its angular lines and slim proportions complement any interior environment.

The Aero® Series delivers advanced T5 high-output (HOT-5®) fixture technology, nearly doubling the lumen output of a T8 fixture.

Features

Contemporary, ultra-shallow, angular form.

Rugged, one-piece, cold-rolled steel construction. Die-formed white reflector with minimum 85 percent reflectance.

Utilizes energy-efficient, T5 high-output lamps.

Choice of total indirect distribution or die-punched perforated hole pattern on underside, providing an appealing visual cue.

Electrical quick connectors facilitate installation and joining.

Fine textured white paint standard. Consult factory for special finish requirements.

HOT-5® luminaire technology significantly enhances the benefits of the T5 high output lamp.

Electrical

Specify 120 volt, 277 volt or 347 volt. Pre-wired with prescribed circuits as specified. For special circuiting, consult factory. T5HO lamps are included.

Fixture Length

4', 8' and 12' lengths in a single section for exact suspension spacing of 4', 8' and 12'. For total fixture length, add ½" for each end cap. Using internal joiners, 4', 8' and 12' sections can be joined to form longer rows.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **AEM2 2 54T5HO 12FT R8 277 GEB10 SCT L/LP F2/15 ACG**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Type

AEM1	Indirect
AEM2	Indirect/open
AEM2 CWIN	Indirect/open, continuous window

Rows and sections[1]

_FT	**R4**
_FT	**R8**
_FT	**R12**

Ballast[2]

GEB10

Emergency type[3,4]

(blank)	None
EL	Emergency battery pack
EC	Emergency circuit/night-light circuit
EN	Emergency battery pack with night-light circuit

Switching

SCT	Single circuit
DCT	Dual circuit

Mounting type

F1/	T-Bar ceiling
F2/	Hard ceiling (horizontal J-box)
F4A/	IDS clip 15/16" tee
F4B/	IDS clip 9/16" tee
F4C/	IDS clip screw slot

Feed/overall suspension[5]

12	12″
15	15″
18	18″
21	21″
24	24″
XX	XX″

Lamps

1	**28T5**
2	**28T5**
1	**54T5HO**
2	**54T5HO**

Number of lamps in cross section and lamp type.

Reflector

SPR	Specular reflector
WHR	White reflector (standard)

Voltage

120
277
347

Number of emergency sections[3]

(blank)	None
1SE	1 section
2SE	2 sections
XSE	X sections*

*May specify up to number of fixture sections per run.

Lamp color

L/LP	No lamp
LP830	3000°K, 80 + CRI
LP835	3500°K, 80 + CRI (standard)
LP841	4100°K, 80 + CRI

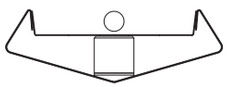
Options

ACG	Adjustable cable grippers
APF	Alternate power feed
SPR	Specular reflector
ELH	EM through-wire with separate feed[6]
ELS	EM through-wire with single feed
DU	Dust cover
GMF	Slow blow fuse
GLR	Fast blow fuse
CMG	Cord manager

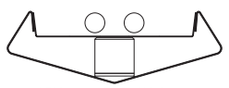
NOTES:

1. Specify nominal row length in 4' increments. R4/R8/R12 indicates maximum length of section. Example: 40FTR12 is a 40' run with a 12' maximum section length.
2. GEB 10 = generic electronic ballast, <10% THD. Consult factory for dimming options.
3. Optional.
4. EL, EN and EC are installed in last 4' of fixture sections and are not available concurrently. Separate feed required for each EL or EC unless ELH option is specified.
5. Suspension length is measured from finished ceiling to bottom of fixture.
6. For single feed of all emergency or night-light sections in row from opposite end of normal power feed.

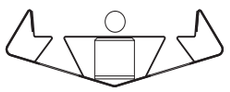
LUMINAIRE CROSS SECTIONS (6" x 2" Nominal)



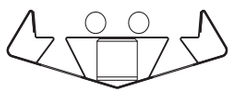
AEM1 – 1 T5/T5HO lamp



AEM1 – 2 T5/T5HO lamps



AEM2 – 1 T5/T5HO lamp



AEM2 – 2 T5/T5HO lamps



Indirect or Indirect/Open

Enzo®

Peerlite BY PEERLESS

Intended Use

The Enzo® Series complements any interior architecture with its diminutive elliptical shape and flawless textured finish. The Enzo® Series offers superior design and engineering in a choice of totally indirect or indirect/open fixtures, all of which meet stringent IES RP-1 standards for office lighting.

The Enzo® Series delivers advanced T5 high-output (HOT-5®) fixture technology, nearly doubling the lumen output of a T8 fixture.

Features

Contemporary, ultra-shallow, oval form.

Rugged, one-piece, cold-rolled steel construction.

Die-formed white reflector with minimum 85% reflectance.

Utilizes energy-efficient T5 high-output lamps.

Choice of total indirect distribution or die-punched perforated hole pattern on underside providing an appealing visual cue.

Electrical quick connectors facilitate installation and joining.

Fine textured white paint standard. Consult factory for special finish requirements.

HOT-5® luminaire technology significantly enhances the benefits of the T5 high output lamp.

Electrical

Specify 120 volt, 277 volt or 347 volt. Pre-wired with prescribed circuits as specified. For special circuiting, consult factory. T5HO lamps are included.

Fixture Length

4', 8' and 12' lengths in a single section for exact suspension spacing of 4', 8' and 12'. For total fixture length, add ½" for each end cap. Using internal joiners, 4', 8' and 12' sections can be joined to form longer rows.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **EZM2 2 54T5HO 12FT R8 277 GEB10 SCT L/LP F1/24 ACG**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Type

EZM1	Indirect
EZM2	Indirect/open
EZM2 CWIN	Indirect/open, continuous window

Lamps

1	**54T5HO**
2	**54T5HO**

Number of lamps in cross section and lamp type.

Rows and sections[1]

_FT	**R4**
_FT	**R8**
_FT	**R12**

Reflector

WHR	White reflector (standard)
SPR	Specular reflector

Ballast[2]

GEB10

Voltage

120
277
347

Emergency type[3,4]

(blank)	None
EL	Emergency battery pack
EC	Emergency circuit/ night-light circuit
EN	Emergency battery pack with night-light circuit

Number of emergency sections[3]

(blank)	None
1SE	1 section
2SE	2 sections
XSE	X sections*

*May specify up to number of fixture sections per run.

Switching

SCT	Single circuit
DCT	Dual circuit

Lamp color

L/LP	No lamp
LP830	3000°K, 80 + CRI
LP835	3500°K, 80 + CRI (standard)
LP841	4100°K, 80 + CRI

Mounting type

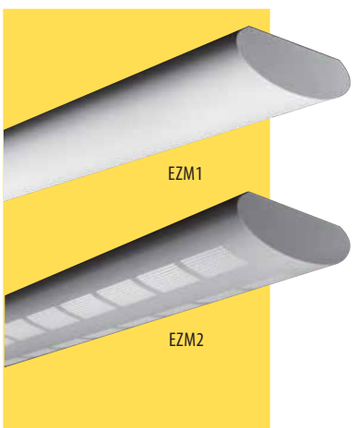
F1/	T-Bar ceiling
F2/	Hard ceiling (horizontal J-box)
F4A/	IDS clip 15/16" tee
F4B/	IDS clip 9/16" tee
F4C/	IDS clip screw slot

Feed/overall suspension[5]

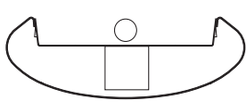
12	12″
15	15″
18	18″
21	21″
24	24″
XX	XX″

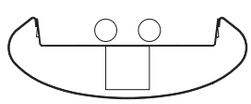
Options

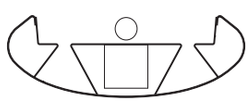
ACG	Adjustable cable grippers
APF	Alternate power feed
SPR	Specular reflector
ELH	EM through-wire with separate feed[6]
ELS	EM through-wire with single feed
DU	Dust cover
GMF	Slow blow fuse
GLR	Fast blow fuse
NYC	New York City code
CMG	Cord manager

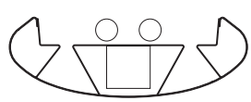


LUMINAIRE CROSS SECTIONS (6" x 2" Nominal)


EZM1 – 1 T5HO lamp


EZM1 – 2 T5HO lamps


EZM2 – 1 T5HO lamp


EZM2 – 2 T5HO lamps

NOTES:

1. Specify nominal row length in 4' increments. R4/R8/R12 indicates maximum length of section. Example: 40FT R12 is a 40' run with a 12' maximum section length.
2. GEB10 = generic electronic ballast, <10% THD. Consult factory for dimming options.
3. Optional.
4. EL, EN and EC are installed in last 4' of fixture sections and are not available concurrently. Separate feed required for each EL or EC unless ELH option is specified.
5. Suspension length is measured from finished ceiling to bottom of fixture.
6. For single feed of all emergency or night-light sections in row from opposite end of normal power feed.

Prima®

Intended Use

The Prima® family offers superior design and engineering in a wide variety of low-cost fixtures. Designed to offer high-quality lighting for general office, school and library installations.

All Prima® fixtures share the same gracefully rounded shape and can be combined on the same project, providing an additional level of versatility where needs vary.

Features

Pure, low-profile oval form.

Rugged, one-piece, roll-formed, cold-rolled steel construction.

Choice of optical system – indirect only, indirect with Lightvent , indirect/fully perforated or indirect/partially perforated.

Die-formed white reflector system.

Electrical quick connectors facilitate installation and joining.

Fine textured white paint standard. Consult factory for special finish requirements.

Electrical

Specify 120 volt, 277 volt or 347 volt. Pre-wired with prescribed circuits as specified. For special circuiting, consult factory. Lamps are included.

Fixture Length

4', 8' and 12' lengths in a single section for exact suspension spacing of 4', 8' and 12'. For total fixture length, add ½" for each end cap. Using internal joiners, 4', 8' and 12' sections can be joined to form longer rows.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **PRM1 1 32 40FT R12 120 GEB 2SE EL SCT LP735 F1/24**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Type

PRM1	Indirect
PRM3	Lightvent indirect
PRM6	Indirect, fully perforated[1]
PRM7	Indirect, partially perforated[1]

Lamps[1]

1	**32**
2	**32**
3	**32**

Number of lamps in cross section and lamp type.

Rows and sections[2]

_FT	**R4**
_FT	**R8**
_FT	**R12**

Reflector

WHR	White reflector (standard)
SPR	Specular reflector

Ballast[3]

GEB
GEB10

Voltage

120
277
347

Emergency type[4,5]

(blank)	None
EL	Emergency battery pack
EC	Emergency circuit/ night-light circuit
EN	Emergency battery pack with night-light circuit

Number of emergency sections[4]

(blank)	None
1SE	1 section
2SE	2 sections
XSE	X sections*

*May specify up to number of fixture sections per run.

Switching

SCT	Single circuit
DCT	Dual circuit

Lamp color

L/LP	No lamp
LP730	3000°K, 70 + CRI
LP735	3500°K, 70 + CRI (standard)
LP741	4100°K, 70 + CRI
LP830	3000°K, 80 + CRI
LP835	3500°K, 80 + CRI
LP841	4100°K, 80 + CRI

Mounting type

F1/	T-Bar ceiling
F2/	Hard ceiling (horizontal J-box)
F3/	Rigid stem mount
F4A/	IDS clip 15/16" tee
F4B/	IDS clip 9/16" tee
F4C/	IDS clip screw slot

Feed/overall suspension[6]

12	12″
15	15″
18	18″
21	21″
24	24″
XX	XX″

Options

ACG	Adjustable cable grippers
APF	Alternate power feed
ELH	EM through-wire with separate feed[7]
ELS	EM through-wire with single feed
DU	Dust cover
GMF	Slow blow fuse
GLR	Fast blow fuse
CMG	Cord manager
NYC	New York City code

NOTES:

1 PRM6 available for 2 lamps only. PRM3 and PRM7 available for 2 or 3 lamps only.

2 Specify nominal row length in 4' increments. R4/R8/R12 indicates maximum length of section. Example: 40FT R12 is a 40' run with a 12' maximum section length.

3 GEB = generic electronic ballast, <20% THD. GEB10 = generic electronic ballast, <10% THD. Consult factory for dimming options.

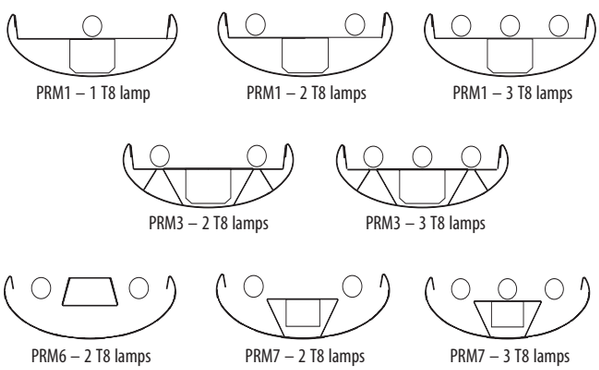
4 Optional.

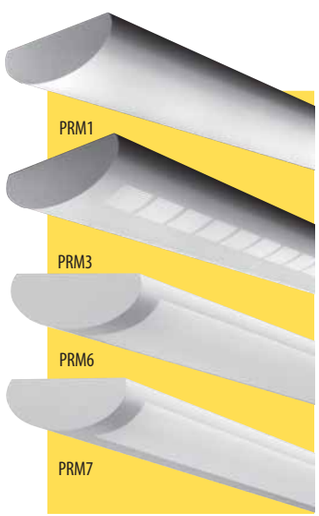
5 EL, EN and EC are installed in last 4' of fixture sections and are not available concurrently. Separate feed required for each EL or EC unless ELH option is specified. EL not available in 347V.

6 Suspension length is measured from finished ceiling to bottom of fixture.

7 For single feed of all emergency or night-light sections in row from opposite end of normal power feed.

LUMINAIRE CROSS SECTIONS (9" x 3" Nominal)





www.peerless-lighting.com

Indirect/Direct

Prima® ID

Intended Use

The Prima® I/D provides excellent ceiling uniformity and visual comfort while adding the dimensionality that comes from a well controlled direct lighting component. Designed to offer high-quality lighting for general office, school and library installations.

All Prima® fixtures share the same gracefully rounded shape and can be combined on the same project, providing an additional level of versatility where needs vary.

Features

Pure, low-profile oval form.

Rugged, one-piece, cold-rolled-steel construction.

Softshine® optical system provides uniform ceiling illumination, a well-controlled direct lighting component and remarkable luminaire brightness control.

Easy-to-maintain Achroma® specular baffle finish provides precise light distribution while exhibiting a soft, uniform louver appearance.

Electrical quick connectors facilitate installation and joining.

Fine textured white paint standard. Consult factory for special finish requirements.

Electrical

Specify 120 volt, 277 volt or 347 volt. Pre-wired with prescribed circuits as specified. For special circuiting, consult factory. Lamps are included.

Fixture Length

4', 8' and 12' lengths in a single section for exact suspension spacing of 4', 8' and 12'. For total fixture length, add ½" for each end cap. Using internal joiners, 4', 8' and 12' sections can be joined to form longer rows.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **PRM4 1 32 40FT R12 347 GEB 2SE EL SCT LP735 F1/24**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Type

PRM4 Indirect/direct

Rows and sections[1]

_FT R4
_FT R8
_FT R12

Ballast[2]

GEB T8 only
GEB10

Emergency type[3,4]

(blank) None
EL Emergency battery pack
EC Emergency circuit/night-light circuit
EN Emergency battery pack with night-light circuit

Switching

SCT Single circuit
DCT Dual circuit

Mounting type

F1/ T-Bar ceiling
F2/ Hard ceiling (horizontal J-box)
F3/ Rigid stem mount
F4A/ IDS clip 15/16" tee
F4B/ IDS clip 9/16" tee
F4C/ IDS clip screw slot

Feed/overall suspension[5]

12 12″
15 15″
18 18″
21 21″
24 24″
XX XX″

Lamps

1 32
1 54T5HO
2 32
2 54T5HO
3 32
3 54T5HO
1 28T5
2 28T5
3 28T5

Number of lamps in cross section and lamp type.

Voltage

120
277
347

Number of emergency sections[3]

(blank) None
1SE 1 section
2SE 2 sections
XSE X sections*

* May specify up to number of fixture sections per run.

Lamp color

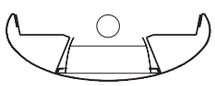
L/LP No lamp
LP730 3000˚K, 70 + CRI
LP735 3500˚K, 70 + CRI (standard T8)
LP741 4100˚K, 70 + CRI
LP830 3000˚K, 80 + CRI
LP835 3500˚K, 80 + CRI (standard T5HO)
LP841 4100˚K, 80 + CRI

Options

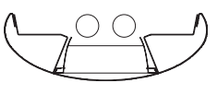
ACG Adjustable cable grippers
APF Alternate power feed
SSB Semi-specular anodized baffle
ELH EM through-wire with separate feed[6]
ELS EM through-wire with single feed
DU Dust cover
GMF Slow blow fuse
GLR Fast blow fuse
CMG Cord manager
NYC New York City code



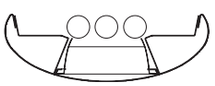
LUMINAIRE CROSS SECTIONS (9" x 3" Nominal)



PRM4 – 1 lamp



PRM4 – 2 lamps



PRM4 – 3 lamps

NOTES:

1 Specify nominal row length in 4' increments. R4/R8/R12 indicates maximum length of section. Example: 40FT R12 is a 40' run with a 12' maximum section length.

2 GEB = generic electronic ballast, <20% THD. GEB10 = generic electronic ballast, <10% THD. Consult factory for dimming options.

3 Optional.

4 EL, EN and EC are installed in last 4' of fixture sections and are not available concurrently. Separate feed required for each EL or EC unless ELH option is specified. EL not available in 347V.

5 Suspension length is measured from finished ceiling to bottom of fixture.

6 For single feed of all emergency or night-light sections in row from opposite end of normal power feed.

HOT-5®

Intended Use

Peerlite HOT-5® cove lighting offers a compact, easy-to-install fixture that fits into smaller architectural cavities.

HOT-5® cove projects a wide distribution of illumination from fewer, smaller, higher-efficiency lamps, transforming a ceiling into a source of pure, diffuse light, virtually eliminating all hot spots and glare in the space.

Features

High-performance HOT-5® cove lighting system creates indirect ambient illumination from a concealed source.

Utilizes energy-efficient, T5 high-output lamps.

Die-formed white reflector and micro-prismatic specular acrylic diffusing lens provide uniform ceiling illumination, superior visual comfort and remarkably high light levels at the work plane.

Ultra-shallow depth permits use in narrow architectural cavities.

Rugged, one-piece, cold-rolled steel-housing.

HOT-5® luminaire technology significantly enhances the benefits of the T5 high output lamp.

Electrical

Specify 120 volt, 277 volt or 347 volt. Pre-wired with prescribed circuits as specified. For special circuiting, consult factory. T5 lamps are included.

Fixture Length

Available in nominal 2', 3', 4' and 8' sections only. Consult factory for addtional lengths.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **HCM5 1 54T5HO U8 277 GEB10 LP835**

For complete ordering guide and offering, refer to product specification sheets on www.peerless-lighting.com.

Type	Lamps	Nominal luminaire length[1]	Voltage	Ballast[2]	Emergency type[3,4]	Lamp color	Options
HCM5 Cove	**1 14T5** **1 21T5** **1 28T5** **1 24T5HO** **1 39T5HO** **1 54T5HO**	**U2** 2' **U3** 3' **U4** 4' **U8** 8'	**120** **277** **347**	**GEB10**	(blank) None **EL** Emergency battery pack **EC** Emergency circuit/night-light circuit **EN** Emergency battery pack with night-light circuit	**L/LP** No lamp **LP830** 3000°K, 80 + CRI **LP835** 3500°K, 80 + CRI (standard) **LP841** 4100°K, 80 + CRI	**ELH** EM through-wire with separate feed[5] **ELS** EM through-wire with single feed **DU** Dust cover **GMF** Slow blow fuse **GLR** Fast blow fuse

NOTES:

1 Actual length of 4' nominal fixture is 46 1/2" and 8' nominal fixture is 93". Consult factory for availability of 2' and 3' nominal luminaires.

2 GEB10 = generic electronic ballast, <10% THD. Consult factory for dimming options.

3 Optional.

4 EL and EC not available concurrently.

5 For single feed of all emergency or night-light sections in row from opposite end of normal power feed.

LUMINAIRE CROSS SECTION (6" x 2" Nominal)



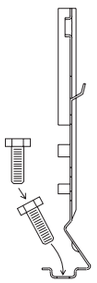
HCM5 – 1 lamp



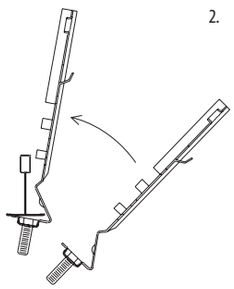
Installation Guide

All Peerless and Peerlite modular luminaires utilize this easy mounting system. Shown below is a representative installation guide. Mounting instructions for specific products are included with each luminaire and also may be ordered through your Lithonia Lighting sales representative.

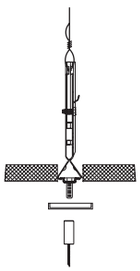
Mount on the grid...



1. Insert 1/4-20 x 3/4" bolt into bracket A (#MP-1997).



2. Hook bracket A onto T-bar.

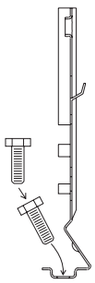


3. Hook bracket B (#MP-1996) onto bracket A.

   Screw brackets together.

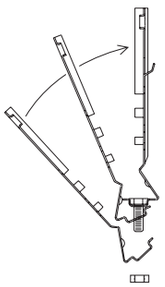
   Secure bracket assembly to structure above.

...or off the grid



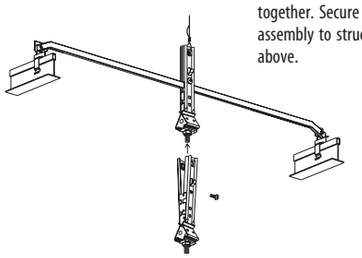
1. Insert 1/4-20 x 3/4" bolt* into bracket A (#MP-1997).

   * For special ceiling systems, may need to use 1/4-20 x 1" bolt (by others).



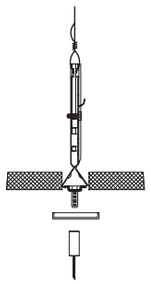
2. Hook bracket B (#MP-1996) onto bracket A.

   Secure with 1/4-20 hex nut. Do not tighten.



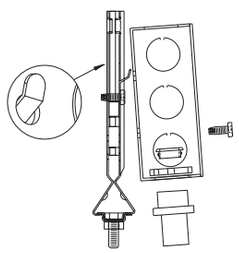
3. Attach brackets to hanger bar. Screw brackets together. Secure bracket assembly to structure above.

Create support locations

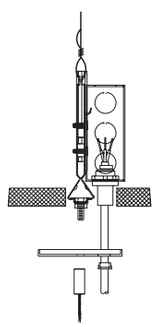


1. Place 2" canopy flush with ceiling tile.
2. Thread upper cable retainer onto 1/4-20 bolt.

Create feed locations



1. Attach bushing and Greenfield connector to J-box.
2. Hang J-box on bracket tab.
3. Screw J-box to bracket assembly.



4. Insert feed cord through Greenfield connector and into J-box; attach strain relief.
5. Place canopy flush with ceiling tile.
6. Thread upper cable retainer onto 1/4-20 bolt.

Secure the structure

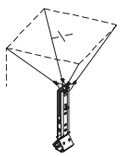
STANDARD NON-SEISMIC
SINGLE LOOPED WIRE



SEISMIC 3-WIRE
PERPENDICULAR & ANGLED



SEISMIC 4-WIRE
ANGLED



SEISMIC 3-WIRE
ANGLED



All top-mounting brackets must be secured to the building structure. Shown are standard support configurations. Check with your local code authority as to which applies to your specific application.

IMPORTANT NOTE:
Always use UBC-approved-gauge wire.

Hang and join the fixtures

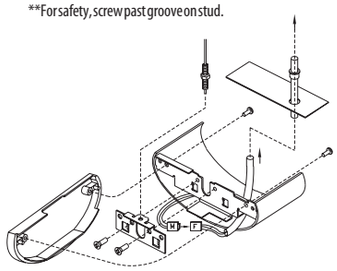
Note: Hang fixtures prior to joining.

Hanging a run

1. Attach hanger brackets (included in mounting kits) onto each end of first fixture section.*
2. Screw cable stud into each hanger.**
3. Quick-connect power feed and insert through fixture.
4. Hang next fixture by attaching mounting bracket to non-joining end and screwing cable stud into hanger bracket.

* Hanger bracket at end(s) of complete run must be secured with screw provided in endcap kit.

**For safety, screw past groove on stud.



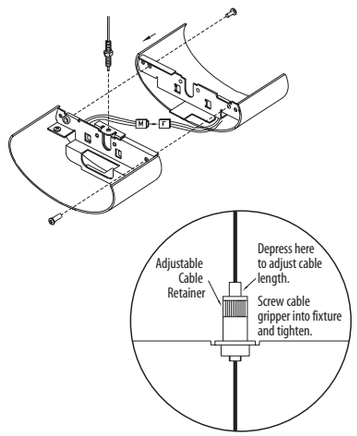
Screw provided in endcap kit.

NOTE: Hang fixtures prior to joining.

Joining the fixtures

1. After hanging fixtures, attach quick-connects.
2. Align fixture tabs.
3. Bolt fixtures together.

**For safety, screw past groove on stud.



Adjustable Cable Option

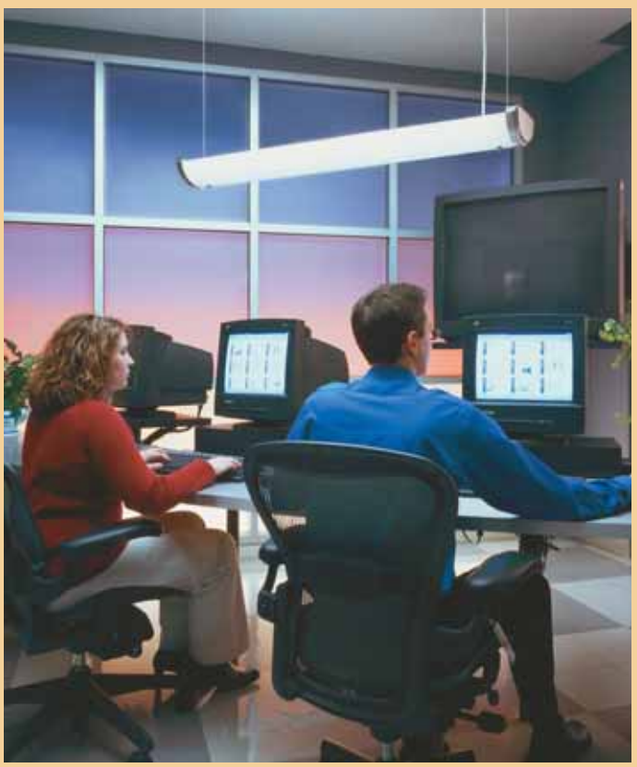


Decorative Fluorescent

Lithonia Lighting is changing the way you look at decorative fluorescent fixtures with bold new styles and with energy-saving technology. Our decorative line includes a comprehensive selection of models that are ENERGY STAR® qualified. Lithonia is proud to be an ENERGY STAR® partner – introducing products that meet energy-savings guidelines to help consumers save money and the environment.

The decorative line includes a comprehensive selection of models, ranging from rich solid oak frames to durable steel with various styles of acrylic diffusers. Many styles are suitable for both residential and light commercial use. A variety of fluorescent lamps and ballast options is available.





CONTENTS


180


180


181


182


182


183


184


184


185


185


187


188


188


189


192


194


196


199

Ceiling Mount

Flush/Semi-Flush 180
Linear 187

Vanity

Vanity Wall Brackets 193

Cabinet Lighting

Fluorescent 196
Xenon 196
Halogen 197
Accessories 197

Sconce 198

Options and Accessories 201

Flush or Semi-Flush Mounting

Sheffield

Intended Use

The Sheffield family of lighting fixtures provides general illumination in residential and commercial applications. Ideal for use in dining areas, kitchens, foyers, hallways and bathrooms.

Features

A distinctive traditional style with black bronze finish and satin-etched, swirled white glass diffuser.

Flush / Semi-Flush – Matching black bronze finish hardware included for flush or semi-flush mounting. Diffuser is secured to decorative trim ring with a decorative matching black bronze finish finial for easy cleaning and maintenance. Available in three sizes.

Pendant – Matching black bronze finish hardware included for pendant or semi-flush mounting. Diffuser sits in a decorative trim ring for clean appearance and for easy cleaning and maintenance.

Includes 3500K double twin tube (flush/semi-flush) or triple-tube (pendant) compact fluorescent lamps for energy efficiency, superior color rendering and long life.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

ENERGY STAR® qualified.

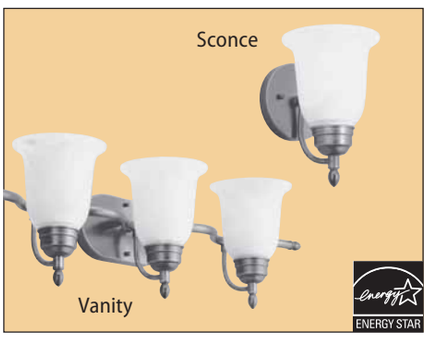
All mounting hardware included.

Listings

UL Listed to US and Canadian safety standards.







Matching wall mounted fixtures; see pages 193 & 198.

Ordering Information

Example: **11780 BZ**

Model number[1,2]

Flush or semi-flush

11780 BZ	11" diameter, (2) 13W DTT lamps
11782 BZ	13" diameter, (2) 18W DTT lamps
11784 BZ	15" diameter, (2) 26W DTT lamps

Pendant[3]

11786 BZ	23" diameter, (3) 18W TRT lamps

Availability and Dimensions

Description	Model number	Number of lamps[1]	Diameter in. (cm)	Flush depth* in. (cm)	Semi-flush depth* in. (cm)
11" Flush	11780 BZ	(2) 13W DTT (G24q-1)	11 (27.9)	4 7/8 (12.4)	12 3/4 (32.4)
13" Flush	11782 BZ	(2) 18W DTT (G24q-2)	13 (33.0)	5 3/8 (13.6)	13 (33.0)
15" Flush	11784 BZ	(2) 26W DTT (G24q-3)	15 (38.2)	6 (15.2)	13 3/4 (34.9)
23" Pendant[3]	11786 BZ	(3) 18W TRT (G24q-2)	22 3/4 (57.8)	N/A	37 1/2 (95.2)

*Extension from ceiling.

NOTES:
1 3500K compact fluorescent lamps included.
2 For use with non-dimmable switches only.
3 3' of chain and 10' of wire provided.

Saturn Pristine

Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in dining areas, kitchens, bathrooms, foyers and hallways.

Features

Saturn – Contemporary fixtures with brushed nickel on twin steel rings and finials. Durable, milk white acrylic diffuser provides wide spread, uniform illumination. Finials provide easy access and maintenance.

Pristine – Clean art deco fixtures with brushed nickel housing. Satin-etched glass diffuser provides wide spread, uniform illumination. Diffuser twist-locks into housing for a hardware free look and provides easy access and maintenance.

Includes 26W 3500K double twin tube compact fluorescent lamp(s) for energy efficiency, superior color rendering and long life.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

All mounting hardware included.

ENERGY STAR® qualified.

Listings

UL Listed to US and Canadian safety standards.





Ordering Information

Example: **11750 BN**

Model number[1,2]

Saturn

11750 BN 13" diameter, (1) 26W DTT lamp
11752 BN 16" diameter, (2) 26W DTT lamps

Pristine

11734 BN 14" diameter, (1) 26W DTT lamp
11736 BN 16½" diameter, (2) 26W DTT lamps

Availability and Dimensions

Description	Model number	Number of lamps[1]	Diameter in. (cm)	Flush depth* in. (cm)	Semi-flush depth* in. (cm)
13" Saturn	11750 BN	(1) 26W DTT (G24q-3)	12½ (31.8)	2⅞ (7.3)	8¼ (21.0)
16" Saturn	11752 BN	(2) 26W DTT (G24q-3)	16 (40.6)	3⅛ (7.9)	8½(21.6)
14" Pristine	11734 BN	(1) 26W DTT (G24q-3)	14 (35.6)	4½ (11.4)	10½ (26.6)
16½" Pristine	11736 BN	(2) 26W DTT (G24q-3)	16½ (41.9)	5 (12.7)	10¾ (27.3)

*Extension from ceiling.

NOTES:
1 3500 K compact fluorescent double twin tube lamps included.
2 For use with non-dimmable switches only.

Urban Collection

Meloe



Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Features

Contemporary style fixture has frosted white glass diffuser with melon pattern design that disperses wide-spread, even illumination. Surrounding the fixture, a partially etched clear glass ring with three polished nickel finials has a glowing effect when illuminated.

Includes one 22W and one 32W, 3500K T9 circline fluorescent lamp for energy efficiency, superior color rendering and long life.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

All mounting hardware included.

Available in resale packs of two only.

ENERGY STAR® qualified.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **11798 GM R2**

Model number[1,2,3]

11798 GM R2

NOTES:
1 One 22W and one 32W, 3500K T9 circline fluorescent lamp included.
2 For use with non-dimmable switches only.
3 Resale packs must be ordered in increments of 2 (R2).

Availability and Dimensions

Description	Model number	Number of lamps[1]	Diameter in. (cm)	Depth* in. (cm)
Meloe	11798 GM R2	(1) 22W & (1) 32W T9	21 (53.34)	4 5/8 (10.16)

*Extension from ceiling.

Cosmos



Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Features

Frosted white glass diffuser is surrounded by choice of cobalt blue or amber frosted glass ring. The contemporary style fixture provides plenty of wide-spread, even illumination. The colored glass softly glows when illuminated and is accented by three polished nickel finials.

Includes one 22W and one 32W, 3500K T9 circline fluorescent lamp for energy efficiency, superior color rendering and long life.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

All mounting hardware included.

Available in resale packs of two only.

ENERGY STAR® qualified.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **11796 GB R2**

Model number[1,2,3]

11796 GB R2 Cobalt blue glass ring
11796 GA R2 Amber glass ring

NOTES:
1 One 22W and one 32W, 3500K T9 circline fluorescent lamps included.
2 For use with non-dimmable switches only.
3 Resale packs must be ordered in increments of 2 (R2).

Availability and Dimensions

Description	Model number	Number of lamps[1]	Diameter in. (cm)	Depth* in. (cm)
Cobalt Blue Glass Ring	11796 GB R2	(1) 22W & (1) 32W T9	19 5/8 (49.85)	5 5/16 (13.5)
Amber Glass Ring	11796 GA R2	(1) 22W & (1) 32W T9	19 5/8 (49.85)	5 5/16 (13.5)

*Extension from ceiling.

Acorn Tulip Lily

Mini-Pendants

Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Features

Acorn – A contemporary soft curve design in a cobalt blue, amber or white color, frosted glass with a brushed nickel cap. The acorn is suspended from sleek, brushed nickel canopy with silver cord adjustable to height preference. Three-fixture clusters available in white glass only.

Tulip – Tulip-shape, white frosted glass with clear glass drop point provides up and downlight effects. The tulip is suspended from sleek, brushed nickel canopy with silver cord adjustable to height preference. Available in single- or three-fixture cluster.

Lily – Inverted-tulip-shape white frosted glass with brushed nickel cap provides a downlight effect. The inverted tulip is suspended from sleek, brushed nickel canopy with silver cord adjustable to height preference. Available in single- or three-fixture cluster.

Includes 13W, 3500K triple tube compact fluorescent lamp(s) for energy efficiency, superior color rendering and long life.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

All mounting hardware included.

ENERGY STAR® qualified.

Listings

UL Listed to US and Canadian safety standards.







Ordering Information

Example: **11994 GB**

Model number[1,2]	
Acorn	
11994 GB	Single - cobalt blue
11994 GA	Single - amber
11994 GW	Single - white
11994 CLST GW	Cluster - white
Tulip	
11996 GW	Single - white
11996 CLST GW	Cluster - white
Lily	
11998 GW	Single - white
11998 CLST GW	Cluster - white

Availability and Dimensions

Description	Number of lamps	Fixture Diameter in. (cm)	Fixture Depth in. (cm)	Length in. (cm)
Acorn Single	(1) 13W TRT (G24q-1)	4 7/8 (10.16)	8 (20.32)	up to 74 (187.96)
Acorn Cluster	(3) 13W TRT (G24q-1)	13 1/8 (33.02)	8 (20.32)	up to 74 (187.96)
Tulip Single	(1) 13W TRT (G24q-1)	6 (15.24)	8 5/8 (21.91)	up to 74 1/2 (189.23)
Tulip Cluster	(3) 13W TRT (G24q-1)	14 5/8 (35.56)	8 5/8 (21.91)	up to 74 1/2 (189.23)
Lily Single	(1) 13W TRT (G24q-1)	6 (15.24)	8 5/8 (21.91)	up to 74 1/2 (189.23)
Lily Cluster	(3) 13W TRT (G24q-1)	14 5/8 (35.56)	8 5/8 (21.91)	up to 74 1/2 (189.23)

Single fixture canopy diameter 4-7/8 (10.16). Cluster fixture canopy diameter 9-7/8 (22.86).

NOTES:
1 13W 3500K compact fluorescent triple tube lamp(s) included.
2 For use with non-dimmable switches only.

Urban Collection

Diveli



Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Features

Layered opal glass shade provides even distribution of light with a contoured upward shape. Decorative diffuser has chrome edging and finials on a unique, holographic-like pattern the mimics fluid movement.

Includes one 55W, 2C 3500K fluorescent lamp for energy efficiency, superior color rendering and long life.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

All mounting hardware included.

Available in resale packs of two only.

ENERGY STAR® qualified.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **11840 KR R2**

Model number[1,2,3]
11840 KR R2

Availability and Dimensions

Description	Model number	Number of lamps[1]	Top diameter in. (cm)	Bottom diameter in. (cm)	Depth* in. (cm)
Diveli	11840 KR R2	(1) 55W 2C	18 (45.72)	12 5/8 (32.2)	4 1/2 (11.43)

*Extension from ceiling.

NOTES:
1 One 55W, 2C 3500K fluorescent lamp included.
2 For use with non-dimmable switches only.
3 Resale packs must be ordered in increments of 2 (R2).

Illunic



Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Features

Etched glass diffuser provides even distribution of light and is edged with a chrome ring and three chrome finials. Decorative surround is made of sturdy, easy-to-clean polymer with an even, two-tone line pattern and matching cloth edging.

Includes one 55W 2C 3500K fluorescent lamp for energy efficiency, superior color rendering and long life.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

All mounting hardware included.

Available in resale packs of two only.

ENERGY STAR® qualified.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **11834 KR R2**

Model number[1,2,3]
11834 KR R2

Availability and Dimensions

Description	Model number	Number of lamps[1]	Diameter in. (cm)	Depth* in. (cm)
Illunic	11834 KR R2	(1) 55W 2C	19 3/4 (50.16)	4 3/8 (11.11)

*Extension from ceiling.

NOTES:
1 One 55W, 2C 3500K fluorescent lamp included.
2 For use with non-dimmable switches only.
3 Resale packs must be ordered in increments of 2 (R2).

Vibe

Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Features

Etched glass diffuser provides even distribution of light and has a center chrome finial as a focus point. Decorative surround has silver edging on a unique, holographic-like pattern that impresses the eye.

Includes one 22W and one 32W, 3500K T9 circline fluorescent lamp for energy efficiency, superior color rendering and long life.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

All mounting hardware included.

Available in resale packs of two only.

ENERGY STAR® qualified.

Listings

UL Listed to US and Canadian safety standards.



Ordering Information

Example: **11830 R2**

Model number
11830 R2[1,2,3]

Availability and Dimensions

Description	Model number	Number of lamps[1]	Diameter in. (cm)	Depth in. (cm)
Vibe	11830 R2	(1) 22W & (1) 32W T9	17 3/4 (45.08)	5 (12.70)

NOTES:
1 One 22W and one 32W, 3500K T9 circline fluorescent lamp included.
2 For use with non-dimmable switches only.
3 Resale packs must be ordered in increments of 2 (R2).

Origami

Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Features

Stay-white pleated polymer diffuser provides even distribution of light. It has a unique shape and intricate accordion-style design. Clear glass decorative with chrome finial has slivers of glass dispersed throughout for a gleaming effect.

Includes one 32W and one 40W, 3500K T9 circline fluorescent lamp for energy efficiency, superior color rendering and long life.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

All mounting hardware included.

Available in resale packs of two only.

ENERGY STAR® qualified.

Listings

UL Listed to US and Canadian safety standards.



Ordering Information

Example: **11844 R2**

Model number[1,2,3]
11844 R2

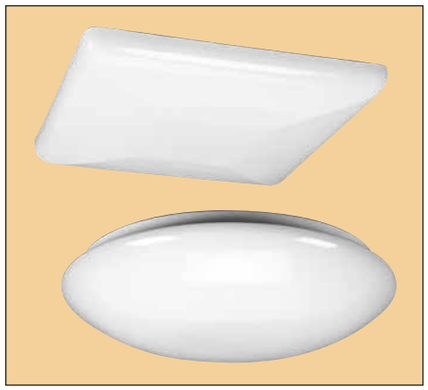
Availability and Dimensions

Description	Model number	Number of lamps[1]	Diameter in. (cm)	Depth in. (cm)
Origami	11844 R2	(1) 32W & (1) 40W T9	21 5/8 (54.93)	6 7/8 (17.46)

NOTES:
1 One 32W and one 40W, 3500K T9 circline fluorescent lamp included.
2 For use with non-dimmable switches only.
3 Resale packs must be ordered in increments of 2 (R2).

Essential Series

Low Profile



Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in closets, laundry areas and pantries.

Features

Durable, milk white acrylic diffuser provides wide spread, uniform illumination. Both round or square models available in three sizes. Models available for circline and compact fluorescent lamps. Suitable for ceiling or wall mounting.

Utilizes double twin tube compact fluorescent or T9 circline fluorescent lamp(s) for energy efficiency, superior color rendering and long life (not included).

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

ENERGY STAR® qualified.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **FMLR 22**

Model number[1]	
Round 11" diameter	
FMLR 22	(1) 22W circline
FMLR11 2 13DTT	(2) 13W double twin tubes
Round 14" diameter	
FMLR 54	(1) 22W & (1) 32W circline
FMLR14 2 18DTT	(2) 18W double twin tubes
Round 19" diameter	
FMLR 72	(1) 32W & (1) 40W circline
FMLR19 3 26DTT	(3) 26W double twin tubes
Square 12" square	
FMLS 22	(1) 22W circline
FMLS12 2 13DTT	(2) 13W double twin tubes
Square 15" square	
FMLS 54	(1) 22W & (1) 32W circline
FMLS15 2 18DTT	(2) 18W double twin tube
Square 20" square	
FMLS 72	(1) 32W & (1) 40W circline
FMLS20 3 26DTT	(3) 26W double twin tubes

NOTES:

1 **Lamps not included.** Consult factory for optional lamp configurations.

Availability and Dimensions

Description	Standard lamp[1] configuration	Size in. (cm)	Depth* in. (cm)
Round 11"	(1) 22W T9 or (2) 13W DTT (G24q-1)	11 (27.94) dia.	$3\frac{1}{4}$ (7.62)
Round 14"	(1) 22W and (1) 32W T9 or (2) 18W DTT (G24q-2)	$13\frac{3}{4}$ (34.92) dia.	$3\frac{1}{2}$ (8.89)
Round 19"	(1) 32W and (1) 40W T9 or (3) 26W DTT (G24q-3)	$19\frac{1}{4}$ (48.9) dia.	$3\frac{5}{8}$ (9.21)
Square 12"	(1) 22W T9 or (3) 13W DTT (G24q-1)	12 (30.48) sq.	$3\frac{1}{4}$ (7.62)
Square 15"	(1) 22W and (1) 32W T9 or (2) 18W DTT (G24q-2)	$14\frac{3}{4}$ (37.47) sq.	$3\frac{3}{8}$ (8.57)
Square 20"	(1) 32W and (1) 40W T9 or (3) 26W DTT (G24q-3)	$19\frac{3}{4}$ (50.17) sq.	$3\frac{5}{8}$ (9.62)

*Extension from ceiling.

Lamp Options

Series	One 13W DTT	Two 13W DTT	One 18W DTT	Two 18W DTT	Three 18W DTT	One 26W DTT	Two 26W DTT	Three 26W DTT
FMLR11		▲	■					
FMLR14		■	■	▲		■		
FMLR19					■		■	▲
FMLS12		▲	■					
FMLS15		■	■	▲		■		
FMLS20					■		■	▲

▲ Standard
■ Option available
(blank) Option not available

Cirrus®



Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in kitchens, offices, utility areas or closets.

Features

Durable, milk white acrylic diffuser provides widespread, uniform illumination. Low-profile styling complements a variety of decors.

Utilizes T8 linear lamps for energy efficiency, superior color rendering and long life (not included).

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

ENERGY STAR® qualified.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **11602RE**

Model number[1]

11602	1'x4' (2) 32W T8 lamps
11604	1'x4' (4) 32W T8 lamps

Residential ballast[2]

(blank)	Other voltage and ballast types available. Specify in Ballast/voltage.
RE	120 volt residential electronic ballast (standard)

Lamp[3]

(blank)	RE ballast fixtures only
32	32W T8

Ballast/voltage[4]

(blank)	RE ballast fixtures only
MVOLT	Multi-volt
120	120V
277	277V
347	347V

Others available; consult factory.

Options

GEB	Electronic ballast, <20% THD
GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
CSA	CSA Certified[5]
NOM	NOM Certified

See page 201 for ballasts and other options and accessories.

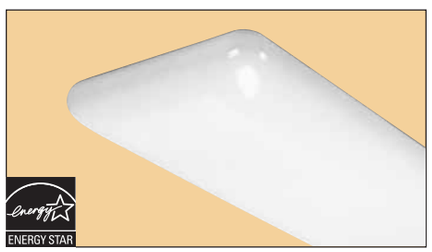
Availability and Dimensions

Nominal size	Model number	Number of lamps	Width in. (cm)	Length in. (cm)	Depth* in. (cm)
1x4	11602	(2) 32W T8	9 7/8 (24.9)	48 5/8 (123.5)	3 1/2 (8.9)
1x4	11604	(4) 32W T8	9 7/8 (24.9)	48 5/8 (123.5)	3 1/2 (8.9)

*Extension from ceiling.

NOTES:
1. **Lamps not included.**
2. RE electronic ballast for use with non-dimmable switches only.
3. No designation for lamp type is required on RE ballast fixtures.
4. No designation for ballast/voltage type is required on RE ballast fixtures.
5. CSA standard on RE ballast fixtures.

Litepuff®



Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in kitchens, offices, utility areas or closets.

Features

Durable, milk white acrylic diffuser provides widespread, uniform illumination. Low-profile styling complements a variety of decors. Clip-on diffuser provide easy access and maintenance.

Utilizes T8 linear lamps for energy efficiency, superior color rendering and long life (not included).

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

ENERGY STAR® qualified.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **10640RE**

Model number[1]

10640	1'x4' (2) 32W T8 lamps
10641	1 1/2'x2' (4) 17W T8 lamps
10651	2'x2' (2) 31W T8-U lamps
10642	1 1/2'x4' (4) 32W T8 lamps

Residential ballast[2]

(blank)	Other voltage and ballast types available. Specify in Ballast/voltage.
RE	120 volt residential electronic ballast (standard)

Lamp[3]

(blank)	RE ballast fixtures only
17	17W T8 (2' fixtures only)
U31	31W T8-U31 (1 5/8" leg)[4]
U316	31W T8-U316 (6" leg)[4]
32	32W T8 (4' fixtures only)

Ballast/voltage[5]

(blank)	RE ballast fixtures only
MVOLT	Multi-volt
120	120V
277	277V
347	347V

Others available; consult factory.

Options

GEB	Electronic ballast, <20% THD
GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
CSA	CSA Certified[6]
NOM	NOM Certified

See page 201 for ballasts and other options and accessories.

Availability and Dimensions

Nominal size	Model number	Number of lamps	Width in. (cm)	Length in. (cm)	Depth* in. (cm)
1x4	10640	(2) 32W T8	11 1/4 (28.6)	51 1/2 (130.8)	5 1/2 (14.0)
1 1/2x2	10641	(4) 17W T8	16 5/8 (42.2)	27 1/2 (69.9)	5 1/2 (14.0)
2x2	10651	(2) 31W T8-U31 or (2) 31W T8-U316	27 (68.6)	27 3/8 (69.3)	5 1/2 (14.0)
1 1/2x4	10642	(4) 32W T8	16 5/8 (42.2)	51 1/2 (130.8)	5 1/2 (14.0)

*Extension from ceiling.

NOTES:
1. **Lamps not included.**
2. RE electronic ballast for use with non-dimmable switches only.
3. No designation for lamp type is required on RE ballast fixtures.
4. Only available with 2'x2' fixtures (U31 also can be ordered on RE ballast 2x2 fixtures).
5. No designation for ballast/voltage type is required on RE ballast fixtures.
6. CSA standard on RE ballast fixtures.

www.lithonia.com, keywords: Cirrus and Litepuff

Perforated Aluminum Diffusers

Metro



Intended Use

Innovative design that provides general illumination in residential and light commercial applications.

Features

Unique light source from a distinctly attractive fixture. Creates soft non-glare ambient light through a contemporary perforated white aluminum diffuser. Can be cable suspended (kit included) or mounted flush to ceiling.

Utilizes T8 linear lamps for energy efficiency, superior color rendering and long life (not included).

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

All mounting hardware included.

ENERGY STAR® qualified.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Availability and Dimensions

Nominal size	Model number	Number of lamps	Width in. (cm)	Length in. (cm)	Depth* in. (cm)
1x2	11722	(2) 17W T8	7 7/8 (24.9)	24 1/2 (62.2)	3 1/2 (8.9)
1x4	11742	(2) 32W T8	7 7/8 (24.9)	48 1/2 (123.3)	3 1/2 (8.9)

*Extension from ceiling.

Ordering Information

Example: **11722RE**

Model number[1]

11722 1'x2' (2) 17W T8 lamps
11742 1'x4' (2) 32W T8 lamps

Trimline

10650 1'x2' (2) 17W T8 lamps
10652 1'x4' (2) 32W T8 lamps
10654 1 1/2'x4' (4) 32W T8 lamps

Residential ballast[2]

(blank) Other voltage and ballast types available. Specify in Ballast/voltage.
RE 120 volt residential electronic ballast (standard)

Ballast/voltage[4]

(blank) RE ballast fixtures only
MVOLT Multi-volt
120 120V
277 277V
347 347V
Others available; consult factory.

Lamp[3]

(blank) RE ballast fixtures only
17 17W T8 (2' fixtures only)
32 32W T8 (4' fixtures only)

Options

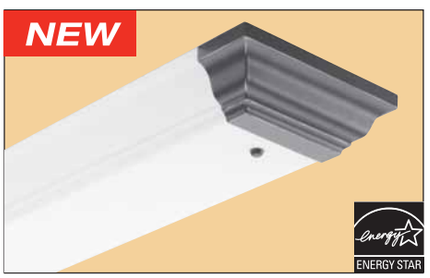
GEB Electronic ballast, <20% THD
GEB10IS T8 electronic ballast, ≤10% THD, instant start
GEB10RS T8 electronic ballast, ≤10% THD, rapid start
CSA CSA Certified[5]
NOM NOM Certified

See page 201 for ballasts and other options and accessories.

NOTES:
1 **Lamps not included.**
2 RE electronic ballast for use with non-dimmable switches only.
3 No designation for lamp type is required on RE ballast fixtures.
4 No designation for ballast/voltage type is required on RE ballast fixtures.
5 CSA standard on RE ballast fixtures.

Black Bronze Finished Ends

Rigby



Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in kitchens, office, utility areas or closets.

Features

Traditional style fixture with cast ends in a black bronze finish with matching finials. Durable, milk white acrylic diffuser provides wide spread, uniform illumination. Finials provide easy access and maintenance.

Utilizes T8 linear lamp(s) for energy efficiency, superior color rendering and long life (not included).

Standard with residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

All mounting hardware included.

ENERGY STAR® qualified.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **11642RE BZ**

Model number[1]

11642 1' x 4', 2 lamps
11644 1 1/2' x 4', 4 lamps

Residential ballast[2]

RE Residential grade electronic T8 (standard)

Finish

BZ Black bronze finish (must specify)

Options

CSA CSA Certified
NOM NOM Certified

Availability and Dimensions

Nominal size	Model number	Number of lamps	Width in. (cm)	Length in. (cm)	Depth* in. (cm)
1x4	11642RE	(2) 32W T8	11 1/4 (28.6)	51 3/4 (131.5)	3 1/2 (8.9)
1 1/2x4	11644RE	(4) 32W T8	15 1/2 (39.4)	51 3/4 (131.5)	3 1/2 (8.9)

*Extension from ceiling.

NOTES:
1 **Lamps not included.**
2 For use with non-dimmable switches only.

Cambridge Dura-Steel

Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in kitchens, offices, utility areas or closets.

Features

Cambridge – Solid wood frame accented with popular crown molding design in finished oak, unfinished oak, white, maple and off white. Durable, milk white acrylic diffuser provides wide spread, uniform illumination, with unique flush mount system to eliminate light leaks.

Dura-Steel – Versatile, baked white enamel finished, rugged steel frame with durable milk white acrylic diffuser provides wide spread, uniform illumination.

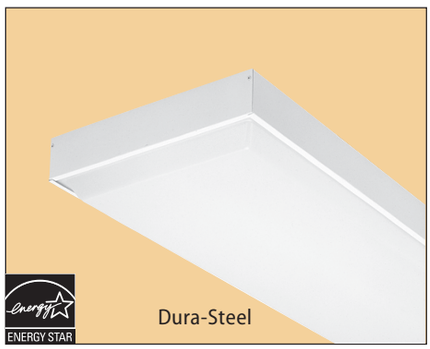
Utilizes T8 linear lamps for energy efficiency, superior color rendering and long life (not included).

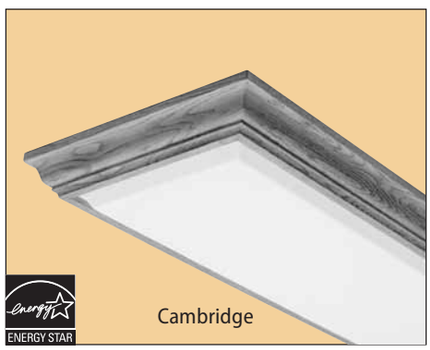
Residential-grade electronic ballast (120 volt, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

ENERGY STAR® qualified.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).





Ordering Information

Example: **11430RE OA**

Model number[1]

Cambridge
- **11430** 1'x4' (2) 32W T8 lamps
- **11431** 2'x2' (2) 31W T8-U lamps
- **11432** 1½'x4' (4) 32W T8 lamps

Dura-Steel
- **11231** 1'x2' (2) 17W T8 lamps
- **11232** 1'x4' (2) 32W T8 lamps
- **11235** 2'x2' (2) 31W T8-U lamps
- **11233** 1½'x4' (4) 32W T8 lamps

Residential ballast[2]

- (blank) Other voltage and ballast types available. Specify in Ballast/voltage.
- **RE** 120 volt residential electronic ballast (standard)

Finish

- **OA** Oak[3]
- **UNFIN** Unfinished[3]
- **WH** White
- **MA** Maple[3]
- **OW** Off-white[3]

Lamp[4]

- (blank) RE ballast fixtures only
- **17** 17W T8 (2' fixtures only)
- **U31** 31W T8-U31 (1⅝" leg)[5]
- **U316** 31W T8-U316 (6" leg)[5]
- **32** 32W T8 (4' fixtures only)

Ballast/voltage[6]

- (blank) RE ballast fixtures only
- **MVOLT** Multi-volt
- **120** 120V
- **277** 277V
- **347** 347V

Others available; consult factory.

Options

- **GEB** Electronic ballast, <20% THD
- **GEB10IS** T8 electronic ballast, ≤10% THD, instant start
- **GEB10RS** T8 electronic ballast, ≤10% THD, rapid start
- **CSA** CSA Certified[7]
- **NOM** NOM Certified

See page 201 for ballasts and other options and accessories.

Availability and Dimensions

Nominal size	Model number	Number of lamps	Width in. (cm)	Length in. (cm)	Depth* in. (cm)
			Cambridge		
1x4	11430	(2) 32W T8	15½ (39.4)	53⅛ (134.9)	4⅛ (10.5)
2x2	11431	(2) 31W T8-U31 or (2) 31W T8-U316	29 (73.6)	29 (73.6)	4⅛ (10.5)
1½x4	11432	(4) 32W T8	20⅞ (53.0)	53⅛ (134.9)	4⅛ (10.5)
			Dura-Steel		
1x2	11231	(2) 17W T8	10½ (26.7)	24 (61.0)	4 (10.2)
1x4	11232	(2) 32W T8	10½ (26.7)	48 (121.9)	4 (10.2)
1½x4	11233	(4) 32W T8	16 (40.6)	48 (121.9)	4 (10.2)
2x2	11235	(2) 31W T8-U31 or (2) 31W T8-U316	24 (61.0)	24 (61.0)	4 (10.2)

* Extension from ceiling.

NOTES:
1. **Lamps not included.**
2. RE electronic ballast for use with non-dimmable switches only.
3. Available on Cambridge fixtures only.
4. No designation for lamp type is required on RE ballast fixtures.
5. Only available with 2'x2' fixtures (U31 also can be ordered on RE ballast 2x2 fixtures).
6. No designation for ballast/voltage type is required on RE ballast fixtures.
7. CSA standard on RE ballast fixtures.

www.lithonia.com, keywords: Cambridge and Dura-Steel

Premium Solid Oak Frames

Designer Wood Frame

Intended Use

Provides general illumination in residential and light commercial applications.

Features

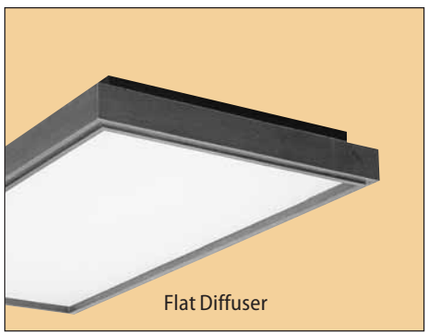
Models available in oak wood frame with a light oak finish. Mitered and splined at corners for a clean, finished appearance. Housing and frame packaged separately for protection during shipment.

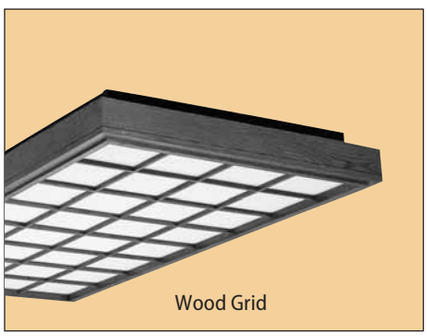
Choice of matte white acrylic diffuser, wood grid with matte white acrylic diffuser or ½" plastic cube louvers in gold or silver that provides low brightness and precise light control.

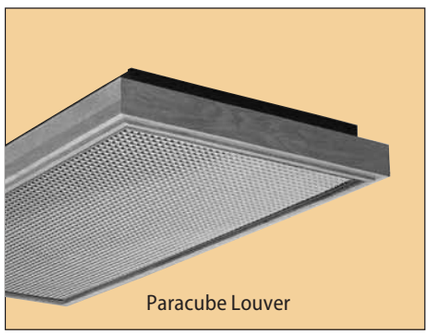
Offset mounted black fixture housing gives floating fixture appearance. White fixture housing available.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).


Flat Diffuser


Wood Grid


Paracube Louver

Ordering Information

Example: **SWO1424 32 MVOLT**

Series[1]	
SWO	Solid oak flat diffuser
GWO	Wood grid
WLOG	Gold paracube louver
WLOS	Silver paracube louver

Fixture size[2]	
1424	1'x4' (2) 32W T8 linear lamps
2224	2'x2' (2) 31W T8-U lamps
2444	2'x4' (4) 32W T8 linear lamps
4464	4'x4' (6) 32W T8 linear lamps
4484	4'x4' (8) 32W T8 linear lamps

Lamp	
U31	31W T8-U31 (1⅝" leg)[3]
U316	31W T8-U316 (6" leg)[3]
32	32W T8 (4' fixtures only)

Ballast/voltage	
MVOLT	Multi-volt
120	120V
277	277V
347	347V

Others available; consult factory.

Options	
GEB	Electronic ballast, <20% THD
GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
CSA	CSA Certified
NOM	NOM Certified

See page 201 for ballasts and other options and accessories.

NOTES:
1. Black housing standard. For white housing, add WH to nomenclature. Example: SWO1424**WH**32MVOLT
2. **Lamps not included.**
3. Only available with 2'x2' fixtures.

Decorative frame and housing are packaged and **shipped separately** for protection.

Availability and Dimensions

Nominal size	Series	Number of lamps[1]	Width in. (cm)	Length in. (cm)	Depth* in. (cm)
1x4	SWO, GWO WLOG, WLOS	(2) 32W T8	15 (38.1)	51 1/8 (129.9)	5 (12.7)
2X2	SWO, GWO WLOG, WLOS	(2) 31W T8-U31 or (2) 31W T8-U316	27 (68.6)	51 1/8 (129.9)	5 (12.7)
2x4	SWO, GWO WLOG, WLOS	(4) 32W T8	27 (68.6)	51 1/8 (129.9)	5 (12.7)
4x4	SWO, GWO WLOG, WLOS	(6) 32W T8 or (8) 32W T8	51 (129.5)	51 1/8 (129.9)	5 (12.7)

*Extension from ceiling.

Designer Acrylic

Intended Use

Provides general illumination in residential and light commercial applications.

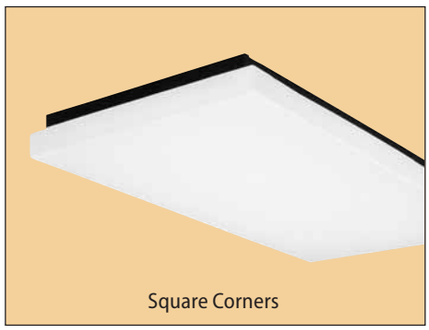
Features

One piece rugged matte white molded acrylic diffuser provides widespread uniform illumination. Available in square or round corners.

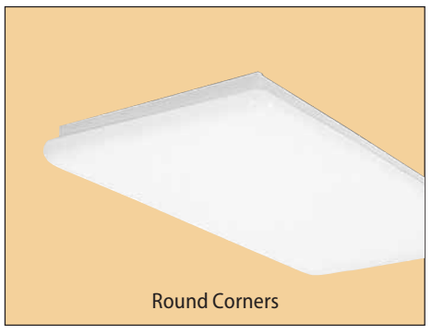
Offset mounted black fixture housing gives floating fixture appearance. White fixture housing available.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).



Square Corners



Round Corners

Ordering Information

Example: **MP2224 32 MVOLT**

Series[1]	Fixture size[2]	Lamp	Ballast/voltage	Options
MP Square corners	**1424** 1'x4' (2) 32W T8 linear lamps	**U31** 31W T8-U31 ($15/8$" leg)[3]	**MVOLT** Multi-volt	**GEB** Electronic ballast, <20% THD
CL Round corners	**2224** 2'x2' (2) 31W T8-U lamps	**U316** 31W T8-U316 (6" leg)[3]	**120** 120V	**GEB10IS** T8 electronic ballast, ≤10% THD, instant start
	2444 2'x4' (4) 32W T8 linear lamps	**32** 32W T8 (4' fixtures only)	**277** 277V	**GEB10RS** T8 electronic ballast, ≤10% THD, rapid start
	4464 4'x4' (6) 32W T8 linear lamps		**347** 347V	**CSA** CSA Certified
	4484 4'x4' (8) 32W T8 linear lamps		Others available; consult factory.	**NOM** NOM Certified

See page 201 for ballasts and other options and accessories.

NOTES:

1 Black housing standard. For white housing, add WH to nomenclature. Example: MP1424 **WH** 32 MVOLT

2 **Lamps not included.**

3 Only available with 2'x2' fixtures.

Acrylic diffuser and housing are packaged and **shipped separately** for protection.

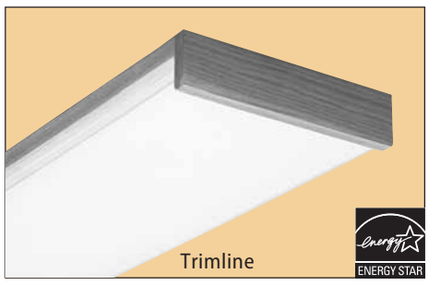
Availability and Dimensions

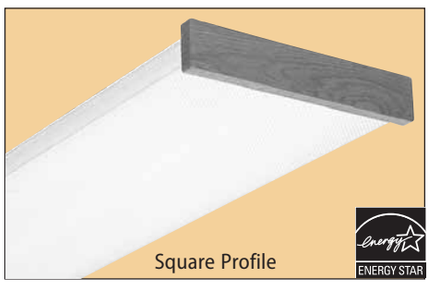
Nominal size	Series	Number of lamps[1]	Width in. (cm)	Length in. (cm)	Depth* in. (cm)
1x4	MP (Square)	(2) 32W T8	$13\frac{1}{2}$ (34.3)	50 (127.0)	$4\frac{3}{4}$ (12.1)
	CL (Round)	(2) 32W T8	$14\frac{1}{2}$ (36.8)	51 (129.5)	$5\frac{3}{4}$ (14.6)
2X2	MP (Square)	(2) 31W T8-U31 or (2) 31W T8-U316	$25\frac{1}{2}$ (64.8)	26 (66.0)	$4\frac{3}{4}$ (12.1)
	CL (Round)	(2) 31W T8-U31 or (2) 31W T8-U316	26 (66.0)	$27\frac{1}{2}$ (69.9)	$5\frac{3}{4}$ (14.6)
2x4	MP (Square)	(4) 32W T8	$25\frac{1}{2}$ (64.8)	50 (127.0)	$4\frac{3}{4}$ (12.1)
	CL (Round)	(4) 32W T8	26 (66.0)	51 (129.5)	$5\frac{3}{4}$ (14.6)
4x4	MP (Square)	(6) or (8) 32W T8	$49\frac{1}{2}$ (125.7)	50 (127.0)	$4\frac{3}{4}$ (12.1)
	CL (Round)	(6) or (8) 32W T8	$50\frac{7}{8}$ (129.5)	51 (129.5)	$5\frac{3}{4}$ (14.6)

*Extension from ceiling.

Solid Oak Frames

Decorative Wraparounds





Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in kitchens, offices, utility areas or closets.

Features

Durable, non-yellowing wraparound diffuser with choice of white acrylic or prismatic lens.

Square profile models feature solid oak ends. Trimline models feature solid oak ends and side rails.

Utilizes T8 linear lamps for energy efficiency, superior color rendering and long life (not included).

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with any other home electronics.

Trim line ENERGY STAR® qualified.

See companion vanity wall brackets, page 195.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **10652RE OA**

Model number[1]

Square profile

10635 1'x2' (2) 17W T8 lamps
10636 1'x4' (2) 32W T8 lamps
10637 1½'x4' (4) 32W T8 lamps

Trimline

10650 1'x2' (2) 17W T8 lamps
10652 1'x4' (2) 32W T8 lamps
10654 1½'x4' (4) 32W T8 lamps

Residential ballast[2]

(blank) Other voltage and ballast types available. Specify in Ballast/voltage.
RE 120 volt residential electronic ballast (standard)

Finish

OA Solid oak frame (must specify)

Diffuser

(blank) Clear lens
ACW White lens

Lamp[3]

(blank) RE ballast fixtures only
17 17W T8 (2' fixtures only)
32 32W T8 (4' fixtures only)

Ballast/voltage[4]

(blank) RE ballast fixtures only
MVOLT Multi-volt
120 120V
277 277V
347 347V
Others available; consult factory.

Options

GEB Electronic ballast, <20% THD
GEB10IS T8 electronic ballast, ≤10% THD, instant start
GEB10RS T8 electronic ballast, ≤10% THD, rapid start
CSA CSA Certified[5]
NOM NOM Certified

See page 201 for ballasts and other options and accessories.

NOTES:
1 **Lamps not included.**
2 RE electronic ballast for use with non-dimmable switches only.
3 No designation for lamp type is required on RE ballast fixtures.
4 No designation for ballast/voltage type is required on RE ballast fixtures.
5 CSA standard on RE ballast fixtures.

Availability and Dimensions

Nominal size	Model number	Number of lamps[1]	Width in. (cm)	Length in. (cm)	Depth* in. (cm)
1x2	10635, 10650	(2) 17W T8	8 1/2 (21.6)	25 1/2 (64.8)	2 7/8 (7.3)
1x4	10636, 10652	(2) 32W T8	8 1/2 (21.6)	49 1/2 (125.7)	2 7/8 (7.3)
1½x4	10637, 10654	(4) 32W T8	13 3/4 (34.9)	49 1/2 (125.7)	2 7/8 (7.3)

*Extension from ceiling.

Sheffield

Intended Use

Ideal for use as task lighting in hospitality suites, bathrooms and stairwells. Visually expands the space and creates a relaxing atmosphere.

Features

Sheffield – Distinctive decorative wall fixtures complement a range of decors. Traditional elegance in a satin-etched, swirled white glass fixture mounted on a decorative black bronze finish arm.

Includes 18W 3500K triple tube compact fluorescent lamps for energy efficiency, superior color rendering and long life.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

All mounting hardware included.

ENERGY STAR® qualified.

Listings

UL Listed to US and Canadian safety standards.



Ordering Information

Example: **11790 BZ**

Model number [1,2]

11790 BZ	Two-light fixture
11792 BZ	Three-light fixture
11794 BZ	Four-light fixture

NOTES:
1 18W 3500K triple tube compact fluorescent lamps included
2 For use with non-dimmable switches only

Availability and Dimensions

Description	Model number	Number of lamps[1]	Width in. (cm)	Height in. (cm)	Depth* in. (cm)
2-lamp	11790 BZ	(2) 18W TRT (G24q-2)	20 3/8 (51.6)	7 7/8 (20.0)	11 7/8 (30.2)
3-lamp	11792 BZ	(3) 18W TRT (G24q-2)	28 7/8 (73.3)	7 7/8 (20.0)	11 7/8 (30.2)
4-lamp	11794 BZ	(4) 18W TRT (G24q-2)	37 1/4 (94.6)	7 7/8 (20.0)	11 7/8 (30.2)

*Extension from wall.

Litepuff

Intended Use

Ideal for use as task lighting in bathrooms, over hospital beds, hallways, stairwells and utility areas. Visually expands the space and creates a relaxing atmosphere.

Features

Decorative contoured distinctive linear design. UV stabilized one-piece white acrylic diffuser provides soft uniform illumination.

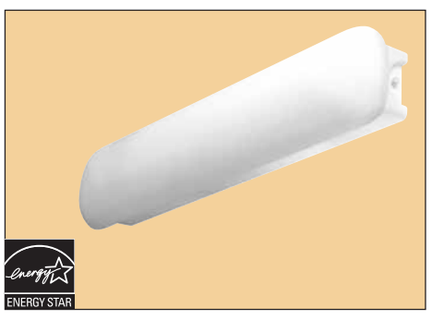
Utilizes two T8 linear fluorescent lamps for energy efficiency, superior color rendering and long life (not included).

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

ENERGY STAR® qualified.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).



Ordering Information

Example: **11890RE**

Model number [1,2]

11890RE	2' fixture – (2) 17W T8 lamps
11891RE	3' fixture – (2) 25W T8 lamps
11892RE	4' fixture – (2) 32W T8 lamps

Options

CSA	CSA Certified
NOM	NOM Certified

NOTES:
1 **Lamps not included.**
2 For use with non-dimmable switches only.

Availability and Dimensions

Nominal size	Model number	Number of lamps[1]	Width in. (cm)	Height in. (cm)	Depth* in. (cm)
2'	11890RE	(2) 17W T8	27 (68.5)	5 (12.7)	4 (10.2)
3'	11891RE	(2) 25W T8	39 (95.3)	5 (12.7)	4 (10.2)
3'	11892RE	(2) 32W T8	51 (129.5)	5 (12.7)	4 (10.2)

*Extension from wall.

www.lithonia.com, keywords: Sheffield and Litepuff

Architectural Contoured Diffusers

Intended Use

Ideal for use as task lighting over hospital beds, in bathrooms, hallways, stairwells and utility areas. Visually expands the space and creates a relaxing atmosphere.

Features

Decorative, contoured, distinctive linear designs complement a range of decors. UV stabilized one-piece diffusers provide soft uniform illumination. Suitable for vertical or horizontal mounting.

Scoop – Distinct corner mounting design. 2"-wide end caps offered in faux white marble with double inlaid brass trim.

Narrow Band – 1" wide end caps offered in a faux marbleized white or black finish on white acrylic diffuser. 1" wide white end caps available on white fluted acrylic diffuser in a variety of finishes.

Wide Band – 2"-wide end caps offered in a variety of finishes. Double inlaid brass or chrome trim is available on end caps as an option.

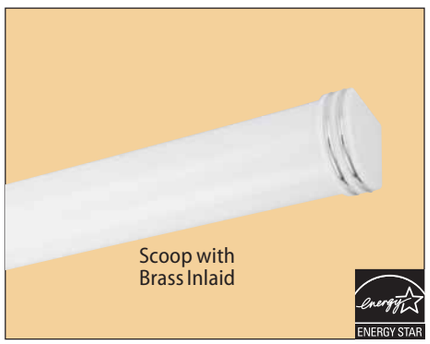
Utilizes T8 linear lamps for energy efficiency, superior color rendering and long life (not included.)

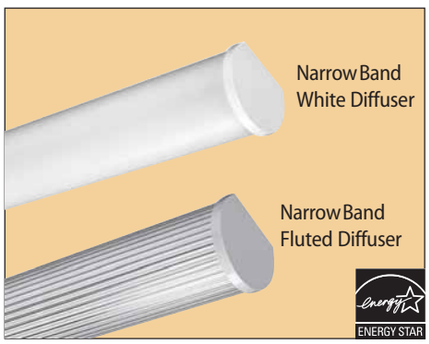
Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

ENERGY STAR® qualified.

Listings

UL Listed (standard). CSA Certifed or NOM Certified (see Options).







Ordering Information

Example: **11893RE FMW BI**

Model number[1]

2' fixture — Uses (2) 17W T8 lamps
11893 Scoop
11928 Narrow band
11931 Narrow band fluted
11934 Wide band
3' fixture — Uses (2) 25W T8 lamps
11894 Scoop
11929 Narrow band
11932 Narrow band fluted
11935 Wide band
4' fixture — Uses (2) 32W T8 lamps
11895 Scoop
11930 Narrow band
11933 Narrow band fluted
11936 Wide band

Residential ballast[2]

(blank) Other voltage and ballast types available. Specify in Ballast/voltage.
RE 120 volt residential electronic ballast (standard)

Finish

WH White[3]
FMB Black marble[4]
FMW White marble[5]
FMI Ivory marble[5]
FMT Taupe marble[5]
FGG Gray marble[5]
FMW BI White marble[6]

Ballast/voltage[7]

(blank) RE ballast fixtures only
MVOLT Multi-volt
120 120V
277 277V
347 347V
Others available; consult factory.

Options

GEB Electronic ballast, <20% THD
GEB10IS T8 electronic ballast, ≤10% THD, instant start
GEB10RS T8 electronic ballast, ≤10% THD, rapid start
CSA CSA Certified[8]
NOM NOM Certified

See page 201 for ballasts and other options and accessories.

NOTES:
1 **Lamps not included.**
2 RE electronic ballast for use with non-dimmable switches only.
3 Not available with scoop fixtures.
4 Available with narrow band fixtures only.
5 Available with wide band fixtures only.
6 Available with scoop fixtures only.
7 No designation for ballast/voltage type is required on RE ballast fixtures.
8 CSA standard on RE ballast fixtures.

Availability and Dimensions

Nominal length	Model number	Number of lamps	Width in.(cm)	Height in.(cm)	Depth* in.(cm)
2'	11928, 11931, 11934, 11893	(2) 17W T8	25 5/8 (65.1)	4 1/8 (10.5)	4 7/8 (12.4)
3'	11929, 11932, 11935, 11894	(2) 25W T8	37 5/8 (95.6)	4 1/8 (10.5)	4 7/8 (12.4)
4'	11930, 11933, 11936, 11895	(2) 32W T8	49 5/8 (126.0)	4 1/8 (10.5)	4 7/8 (12.4)

*Extension from wall.

Wraparound Diffusers

Intended Use

Ideal for use as task lighting in bathrooms, over hospital beds, hallways, stairwells and utility areas. Visually expands the space and creates a relaxing atmosphere.

Features

Available in decorative solid oak or baked white enamel finished steel end caps. UV stabilized, one-piece white acrylic diffusers provide soft uniform illumination. Suitable for vertical or horizontal mounting.

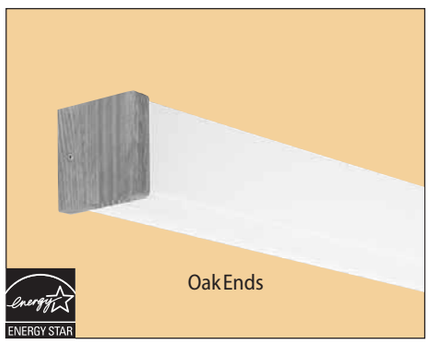
Utilizes T8 linear lamps for energy efficiency, superior color rendering and long life (not included.)

Residential-grade electronic ballast (120V, 60Hz) as standard ensures no flickering and quiet operation without interfering with other home electronics.

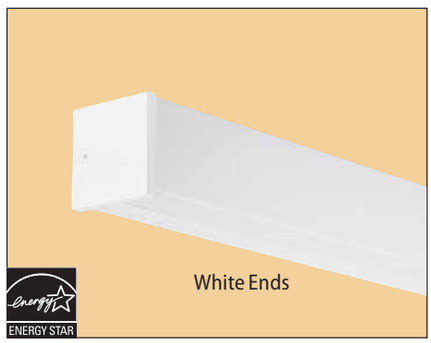
ENERGY STAR® qualified.

Listings

UL Listed (standard). CSA Certified or NOM Certfied (see Options).



Oak Ends



White Ends

Ordering Information

Example: **11847RE**

Model number[1]

2' fixture
- **11847** Oak ends - uses (2) 17W T8 lamps
- **11862** Oak ends - uses (1) 17W T8 lamps
- **11852** White ends - uses (2) 17W T8 lamps
- **11872** White ends - uses (1) 17W T8 lamps

3' fixture
- **11848** Oak ends - uses (2) 25W T8 lamps
- **11863** Oak ends - uses (1) 25W T8 lamps
- **11853** White ends - uses (2) 25W T8 lamps
- **11873** White ends - uses (1) 25W T8 lamps

4' fixture
- **11849** Oak ends - uses (2) 32W T8 lamps
- **11864** Oak ends - uses (1) 32W T8 lamps
- **11854** White ends - uses (2) 32W T8 lamps
- **11874** White ends - uses (1) 32W T8 lamps

Residential ballast[2]

- (blank) Other voltage and ballast types available. Specify in Ballast/voltage.
- **RE** 120 volt residential electronic ballast (standard)

Ballast/voltage[3]

- (blank) RE ballast fixtures only
- **MVOLT** Multi-volt
- **120** 120V
- **277** 277V
- **347** 347V

Others available; consult factory.

Options

- **GEB** Electronic ballast, <20% THD
- **GEB10IS** T8 electronic ballast, ≤10% THD, instant start
- **GEB10RS** T8 electronic ballast, ≤10% THD, rapid start
- **CSA** CSA Certified[4]
- **NOM** NOM Certified

See page 201 for ballasts and other options and accessories.

Availability and Dimensions

Nominal length	Description	Model number	Number of lamps[1]	Width in. (cm)	Height in. (cm)	Depth* in. (cm)
2 '	Oak ends	11847, 11862	(2) or (1) 17W T8	25 1/2 (64.8)	5 (12.7)	4 3/4 (12.1)
2 '	White ends	11852, 11872	(2) or (1) 17W T8	24 (60.1)	4 5/8 (11.8)	4 1/2 (11.4)
3 '	Oak ends	11848, 11863	(2) or (1) 25W T8	37 1/2 (95.3)	5 (12.7)	4 3/4 (12.1)
3 '	White ends	11853, 11873	(2) or (1) 25W T8	36 (91.4)	4 5/8 (11.8)	4 1/2 (11.4)
4'	Oak ends	11849, 11864	(2) or (1) 32W T8	49 1/2 (125.7)	5 (12.7)	4 3/4 (12.1)
4 '	White ends	11854, 11874	(2) or (1) 32W T8	48 (121.9)	4 5/8 (11.8)	4 1/2 (11.4)

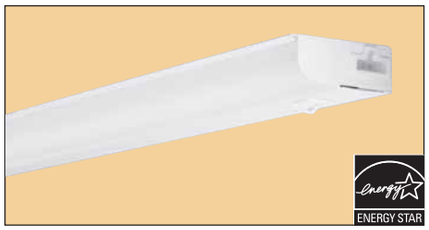
*Extension from wall.

NOTES:
1. **Lamps not included.**
2. RE electronic ballast for use with non-dimmable switches only.
3. No designation for ballast/voltage type is required on RE ballast fixtures.
4. CSA standard on RE ballast fixtures.

www.lithonia.com, keyword: Wraparound

Energy Efficient

T5 Fluorescent



Intended Use

For use where accent or task lighting is needed. Ideal for cabinet lighting in kitchens, offices and bookcases.

Features

Slim profile design with on/off switch. Rugged powder coated steel housing. Acrylic diffuser provides soft wide spread illumination with zip-lock design for easy maintenance and superior retention. Available in white or bronze finish.

Plug-in – No wiring required; fixture-to-outlet connector included with each fixture.

Direct wire – Top or back-side flush knockouts provided. Pre-installed poke-home connectors eliminate the need for wire nuts.

Three-wire 13" long connector cord with safety lock included with fixture for linking additional fixtures together.

Available in resale packs of six only.

ENERGY STAR® qualified.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **UC5D 8 120 LP R6**

Model Number[1,2]				
Length	White finish	Bronze finish	Lamp included[3]	Packaged[4]
12"	**UC5D 8 120 LP R6**	**UC5D 8 120 BZ LP R6**	(1) 8W T5	6
23"	**UC5D 14 120 LP R6**	**UC5D 14 120 BZ LP R6**	(1) 14W T5	6
34"	**UC5D 21 120 LP R6**	**UC5D 21 120 BZ LP R6**	(1) 21W T5	6

Availability and Dimensions				
Nominal length	Lamp included	Width in. (cm)	Length in. (cm)	Depth in. (cm)
12"	(1) 8W T5	2 5/8 (6.7)	12 1/4 (31.1)	1 (2.5)
23"	(1) 14W T5	2 5/8 (6.7)	22 3/4 (57.8)	1 (2.5)
34"	(1) 21W T5	2 5/8 (6.7)	34 1/2 (87.6)	1 (2.5)

NOTES:
1 Maximum quantity of cabinet fixtures that can be connected from a single power source cannot exceed 540 watts from the lamp wattage.
2 Not for use with any dimming circuits.
3 T5 fluorescent lamp included.
4 Resale packs must be ordered in increments of 6 (R6).

Bright White Illumination

12 Volt Xenon



Intended Use

For use where accent or task lighting is needed. Ideal for cabinet lighting in kitchens, offices and bookcases.

Features

Low profile design with high/low/off switch. White glass diffuser provides soft even illumination. Housing is constructed of heavy-gauge aluminum extrusion with injection-molded end caps. Available in white or bronze finish.

Plug-in – No wiring required, fixture-to-outlet connector included with each fixture.

Direct wire – Top or back-side flush knockouts provided. Pre-installed poke-home connectors eliminate the need for wire nuts.

Three-wire 13" long connector cord with safety lock included with fixture for linking additional fixtures together.

Includes 18W, 12V Xenon lamp(s) for bright white illumination and long life.

Stepdown 12V transformer (120V, 60Hz).

Available in resale packs of six only.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **UCXD 1 120 CSW R6**

Model Number[1,2]				
Length	White finish	Bronze finish	Lamp included[3]	Packaged[4]
9"	**UCXD 1 120 CSW R6**	**UCXD 1 120 CSW BZ R6**	(1) 18W 12V Xenon	6
12"	**UCXD 2 120 CSW R6**	**UCXD 2 120 CSW BZ R6**	(2) 18W 12V Xenon	6
18"	**UCXD 3 120 CSW R6**	**UCXD 3 120 CSW BZ R6**	(3) 18W 12V Xenon	6
24"	**UCXD 4 120 CSW R6**	**UCXD 4 120 CSW BZ R6**	(4) 18W 12V Xenon	6

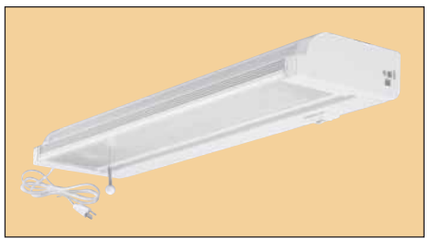
Availability and Dimensions				
Nominal length	Lamp(s) included*	Width in. (cm)	Length in. (cm)	Depth in. (cm)
9"	(1) 18W, 12V Xenon	4 1/2 (11.4)	9 1/4 (23.5)	1 3/8 (3.5)
12"	(2) 18W, 12V Xenon	4 1/2 (11.4)	12 1/4 (31.1)	1 3/8 (3.5)
18"	(3) 18W, 12V Xenon	4 1/2 (11.4)	18 1/4 (46.4)	1 3/8 (3.5)
24"	(4) 18W, 12V Xenon	4 1/2 (11.4)	24 1/4 (61.6)	1 3/8 (3.5)

NOTES:
1 Maximum quantity of cabinet fixtures that can be connected from a single power source cannot exceed 540 watts from the lamp wattage.
2 Not for use with any dimming circuits.
3 18W, 12V Xenon lamp(s) included.
4 Resale packs must be ordered in increments of 6 (R6).

* Replacement lamps
UCX2LPR12
Resale packs must be ordered in increments of 12 (2 lamps per pack).

Swivel Cabinet Fixture

120 Volt Halogen



Intended Use

For use where accent or task lighting is needed. Ideal for cabinet lighting in kitchens, offices and bookcases.

Features

Low profile design with high/low/off switch. Features a rotatable, dual-level beam providing for bright efficient illumination where it is needed. White glass diffuser provides soft even illumination. Housing is constructed of heavy-gauge aluminum extrusion with injection-molded end caps. Available in white or bronze finish.

Plug-in – No wiring required; fixture-to-outlet connector included with each fixture.

Direct wire – Top or back-side flush knockouts provided. Pre-installed poke-home connectors eliminate the need for wire nuts.

Three-wire 13" long connector cord with safety lock included with fixture for linking additional fixtures together.

Includes 20W ,120V Halogen lamp(s).

Available in resale packs of six only.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **UCHD 1 120 CSW R6**

Model number[1]				
Length	White finish	Bronze finish	Lamp included[2]	Packaged[3]
9"	**UCHD 1 120 CSW R6**	**UCHD 1 120 CSW BZ R6**	(1) 20W, 120V Halogen	6
12"	**UCHD 2 120 CSW R6**	**UCHD 2 120 CSW BZ R6**	(2) 20W, 120V Halogen	6
18"	**UCHD 3 120 CSW R6**	**UCHD 3 120 CSW BZ R6**	(3) 20W, 120V Halogen	6
24"	**UCHD 4 120 CSW R6**	**UCHD 4 120 CSW BZ R6**	(4) 20W, 120V Halogen	6

NOTES:

1 Maximum quantity of cabinet fixture that can be connected from a single power source cannot exceed 540 watts from the lamp wattage.

2 20W, 120V halogen lamp(s) included.

3 Resale packs must be ordered in increments of 6 (R6).

Availability and Dimensions				
Nominal length	Lamp(s) included*	Width in. (cm)	Length in. (cm)	Depth in. (cm)
9"	(1) 20W, 12V Halogen	3 1/2 (8.9)	8 1/2 (21.6)	1 1/4 (3.2)
12"	(2) 20W, 12V Halogen	3 1/2 (8.9)	12 1/8 (30.8)	1 1/4 (3.2)
18"	(3) 20W, 12V Halogen	3 1/2 (8.9)	17 3/4 (45.1)	1 1/4 (3.2)
24"	(4) 20W, 12V Halogen	3 1/2 (8.9)	23 1/2 (59.7)	1 1/4 (3.2)

* Replacement lamps
UCHD2LPR12
Resale packs must be ordered in increments of 12 (2 lamps per pack).

Accessories

Splice Box



Allows for quick and easy direct wiring to the box. Then link fixtures into either end with cord or row connectors. Features snap-on cover, pre-installed poke-home wire connectors and mounting hardware.

Ordering Information

Model number[1]
UCD JB R12

24" Cord Connector



Linkable cabinet lights come standard with a 13" connector cord. A 24" connector cord is available for longer length connections between fixtures.

Ordering Information

Model number[1]
UC ERC24 R12

Row Connector



Row connectors allow continuous connections with minimal (1/8") spacing between fixtures. Side-by-side connections reduce shadow between fixtures for uninterrupted light across counter tops or work areas.

Ordering Information

Model number[1]
UC ERC R12

Cord Cover



18" white cord cover keeps fixture-to-fixture connector cords and cord-and-plugs hidden under cabinetry or shelving. Self-adhesive strip on upper side of cover adheres to most surfaces. Cord cover can be cut to accommodate shorter distances between fixtures.

Ordering Information

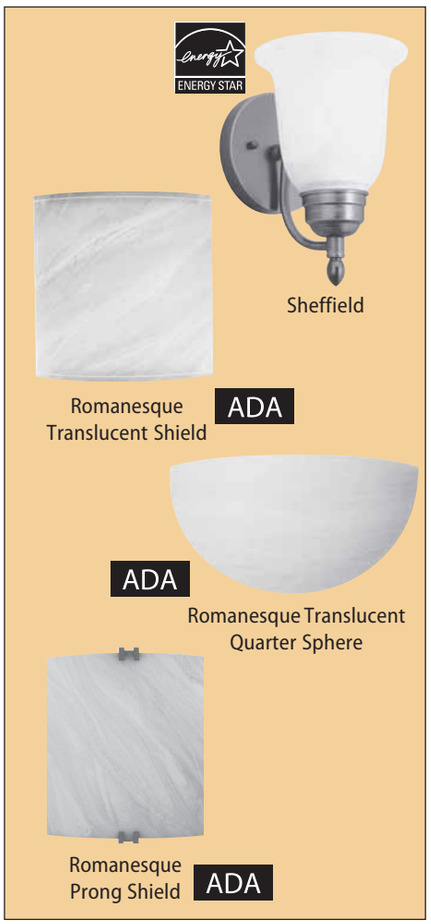
Model number[1]
UCH WWC R12

NOTES:

1 Resale packs must be ordered in increments of 12 (R12).

www.lithonia.com, keyword: Halogen

Sconces



Intended Use

Ideal for use as accent lighting in bathrooms, hallways and stairwells. Visually expands the space and creates a relaxing atmosphere.

Features

Distinctive decorative wall fixtures in designs to complement a range of decors.

Sheffield – Traditional elegance in a satin-etched, swirled white glass fixture mounted on a decorative black bronze finish arm.

Includes one 18W 3500K triple tube compact fluorescent lamp.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interference from other home electronics.

All mounting hardware included.

ENERGY STAR® qualified.

Romanesque – Faux alabaster diffuser for a clean-lined appearance in a choice of classic designs.

Romanesque Series, ADA compliant.

Requires two 13W TT compact fluorescent lamps, not included.

Uses class P, LPF, sound rating A ballast.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **11788 BZ**

Model number[1]	
11788 BZ	Sheffield
11953	Romanesque Translucent Shield
11954	Romanesque Translucent Quarter Sphere
11955	Romanesque Prong Shield

Materials		
Model	*Trim*	*Diffuser*
11788 BZ	Black bronze	Satin-etched glass
11953	Cast resin	Cast faux alabaster
11954	Cast resin	Cast faux alabaster
11955	Cast resin[2]	Cast faux alabaster

Availability and Dimensions

Description	Model number	Lamps (not included)	Width in. (cm)	Height in. (cm)	Depth* in. (cm)	ADA compliant
Sheffield	11788 BZ	(2) 18W TRT (G24q-1)	7 1/4 (8.1)	12 (30.5)	7 7/8 (19.5)	No
Translucent Shield	11953	(2) 13W TT (G23-2)	11 1/2 (29.2)	11 1/2 (29.2)	4 (10.2)	Yes
Quarter Sphere	11954	(2) 13W TT (G23-2)	16 3/4 (41.5)	8 1/2 (21.6)	3 3/4 (9.5)	Yes
Prong Shield	11955	(2) 13W TT (G23-2)	11 5/8 (29.5)	11 (27.9)	4 (10.2)	Yes

*Extension from wall.

NOTES:

1 **Lamps not included.**

Sconces

Intended Use

Ideal for use as accent lighting in bathrooms, hallways and stairwells. Visually expands the space and creates a relaxing atmosphere.

Features

Distinctive decorative wall fixtures in designs to complement a range of decors.

Tri-band – Concentric steel three stepped bands with a matte white finish give a clean elegant appearance. Open top and bottom for maximum light output.

Requires two 13W DTT compact fluorescent lamps, not included.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interference from other home electronics.

Mini-Litepuff – White acrylic diffuser provides soft uniform illumination. Matches the popular surface mounted Litepuff series. Diffuser removes easily for cleaning and maintenance.

Requires two 13W TT compact fluorescent lamps, not included.

Uses class P, LPF, sound rating A ballast.

Half Rounds – Deco half round provides a soft uniform illumination with a white acrylic diffuser. Accented with cast resin casing trim in a metallic finish. Faux alabaster diffuser half round provides a soft uniform glow. Accented with a vacuum metalized brass trim. Open top and bottom for direct and indirect illumination.

Tri-band and half-round fixtures, ADA compliant.

Requires two 13W TT compact fluorescent lamps, not included.

Uses class P, LPF, sound rating A ballast.

All mounting hardware included.

Listings

UL Listed to US and Canadian safety standards.



Ordering Information

Example: **11972 2 13DTT**

Model number[1]	
11972 2 13DTT	Tri-Band
11881	Mini-Litepuff
11956	Deco Half Round
11907	Faux Half Round

Materials		
Model	*Trim*	*Diffuser*
11972 2 13DTT	Powder-coated steel	N/A
11881	N/A	White acrylic
11956	Cast resin	Matte white acrylic
11907	Brass mylar PVC	Faux alabaster

Availability and Dimensions

Description	Model number	Number of lamps	Width in. (cm)	Height in. (cm)	Depth in. (cm)	ADA compliant
Tri-Band	11972 2 13DTT	(2) 13W DTT (G24q-1)	13 1/2 (34.1)	7 1/4 (18.4)	4 (10.2)	Yes
Mini Litepuff	11881	(2) 13W TT (G23-2)	6 (15.3)	11 (27.9)	4 1/2 (11.4)	No
Deco Half Round	11956	(2) 13W TT (G23-2)	7 3/4 (19.7)	11 (27.9)	4 (10.2)	Yes
Faux Half Round	11907	(2) 13W TT (G23-2)	8 3/4 (22.2)	12 (30.5)	3 1/2 (8.9)	Yes

*Extension from wall.

NOTES:
1 **Lamps not included.**

Sconces



Intended Use

Ideal for use as accent lighting in bathrooms, hallways and stairwells. Visually expands the space and creates a relaxing atmosphere.

Features

Distinctive decorative wall fixtures in designs to complement a range of decors.

Our quarter spheres are simplicity in design while providing a soft uniform illumination with a milk white diffuser. Offered with no trim for a clean appearance or accented with a black or white trim. Diffuser removes easily for cleaning and maintenance.

Requires two 13W TT compact fluorescent lamps, not included.

Uses class P, LPF, sound rating A ballast.

ADA compliant.

All mounting hardware included.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **11957**

Model number[1]	
11957	Puff
11963WH	White trim
11963BL	Black trim

Materials		
Model	*Trim*	*Diffuser*
11957	N/A	Matte white acrylic
11963 WH	PVC	Matte white acrylic
11963 BL	PVC	Matte white acrylic

Availability and Dimensions

Description	Model number	Number of lamps	Width in. (cm)	Height in. (cm)	Depth* in. (cm)	ADA compliant
No Trim	11957	(2) 13W TT	13 1/4 (33.7)	6 3/4 (17.1)	3 1/2 (8.9)	Yes
White trim	11963WH	(2) 13W TT	15 3/4 (39.0)	7 7/8 (20.0)	4 (10.2)	Yes
Black trim	11963BL	(2) 13W TT	15 3/4 (39.0)	7 7/8 (20.0)	4 (10.2)	Yes

* Extension from wall.

NOTES:
1 **Lamps not included.**

Surface-Mounted Fixtures

	Ballast and Electrical				Hangers	
Designation:	CW	EL	GLR	GMF	SQ	1B
See page:	115	116	115	115	117	117
Cambridge, 2L	■	■	■	■	■	■
Cambridge, 2U	■	❑	■	■	■	■
Cambridge, 4L	■	■	■	■	■	■
Cirrus, 2L	■	■	■	■		
Cirrus, 4L	■	■	■	■	■	■
Designer, 2L wood	■	■	■	■	■	■
Designer, 2U wood	■	❑	■	■	■	■
Designer, 4L wood	■	■	■	■	■	■
Designer, 6L wood	■	■	■	■	■	■
Designer, 8L wood	■	■	■	■	■	■
Dura-Steel, 2L, 2'	■	■	■	■	■	■
Dura-Steel, 2L	■	❑	■	■	■	■
Dura-Steel, 2U	■	❑	■	■	■	■
Dura-Steel, 4L	■	■	■	■	■	■
Litepuff, 2L	■	■	■	■	■	■
Litepuff, 2U	■	❑	■	■	■	■
Litepuff, 4L	■	■	■	■	■	■
Litepuff, 4L, 2'	■	❑	■	■	■	■
Designer, 2L acrylic	■	■	■	■	■	■
Designer, 2U acrylic	■	❑	■	■	■	■
Designer, 4L acrylic	■	■	■	■	■	■
MP, 2L	■	■	■	■	■	■
MP, 2U	■	❑	■	■	■	■
MP, 4L	■	■	■	■	■	■
Square profile, 2L 1x4	■	■	■	■	■	■
Square profile, 2L 1x2	■	❑	■	■	■	■
Square profile, 4L $1\frac{1}{2}$ x 4	■	■	■	■	■	■

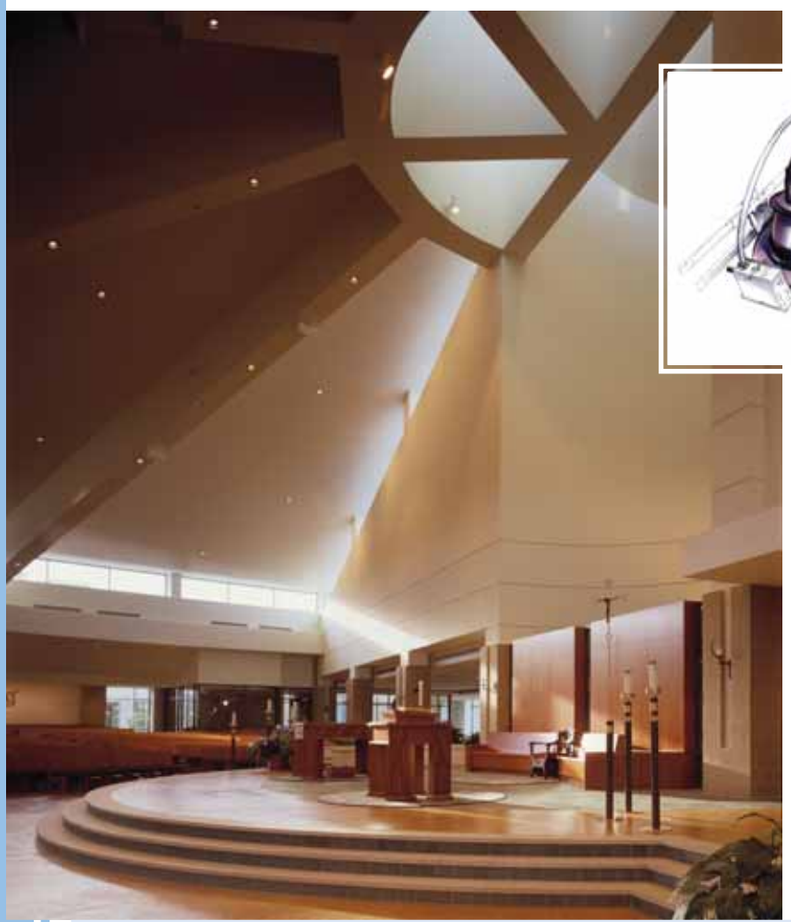
■ Option available
(blank) Option not available
❑ Consult factory

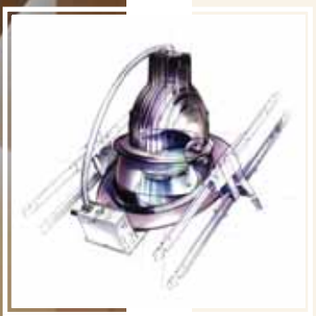
Vanity Wall Brackets

	Ballast and Electrical		
Designation:	CW	GLR	GMF
See page:	115	115	115
Narrow band ends	■	■	■
Wide band ends	■	■	■
White/clear fluted	■	■	■
Litepuffs	■	■	■
Wraparounds, white ends	■	■	■
Wraparounds, chrome ends	■	■	■
Solid oak ends	■	■	■

■ Option available

Architectural Downlighting

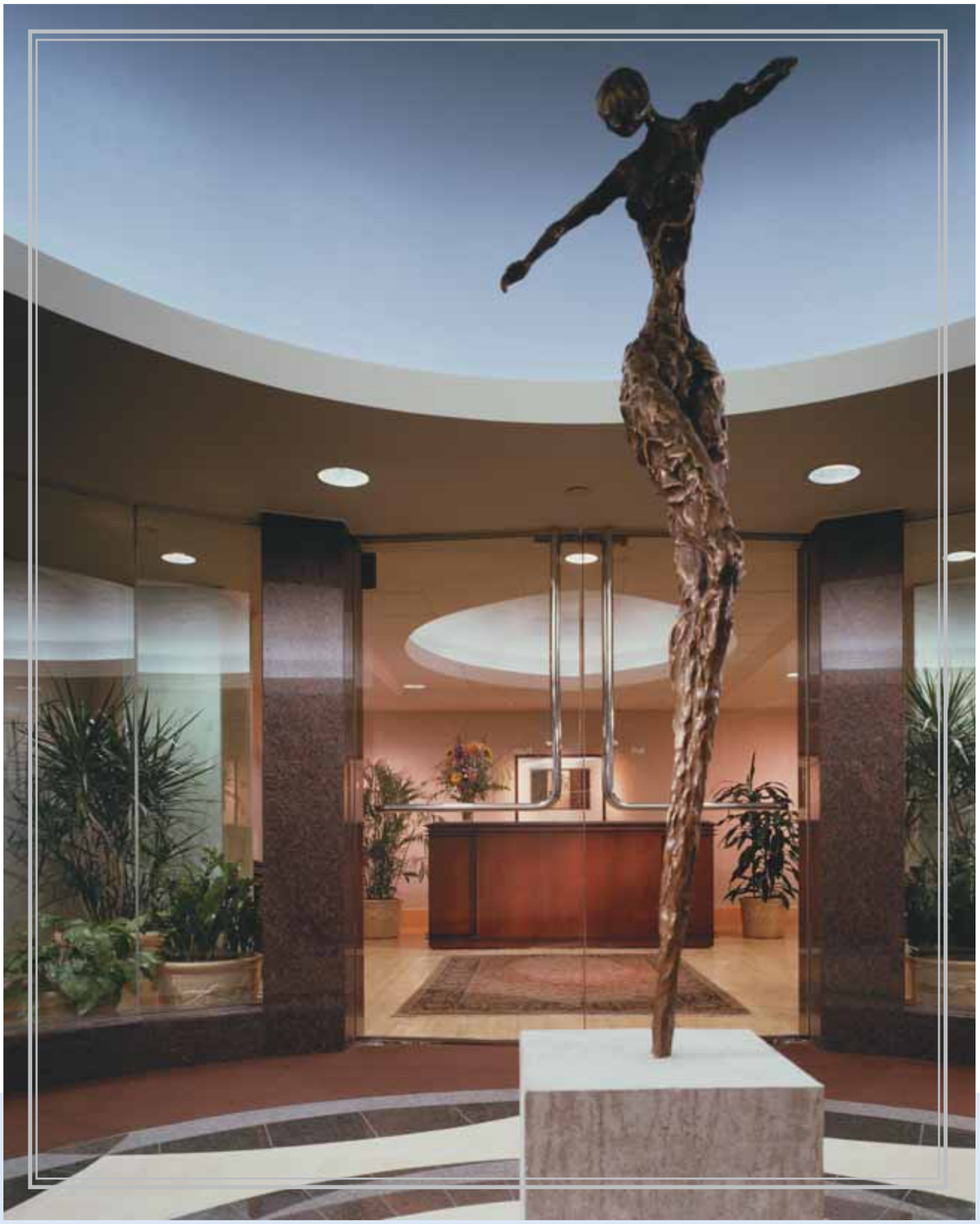




The Gotham Lighting Corporation was founded in 1938 in New York City. Gotham's founder, Harry Gerstel, understood that modernist architecture called for a new approach to interior lighting, and he was in touch with advancements in electric light sources that were on the horizon.

From the beginning, Gotham concentrated on developing luminaires that would enhance the appearance of modern spaces without calling attention to themselves. The company's focus on architectural integration, optical performance, reliability and innovative manufacturing processes resulted in Gotham quickly becoming one of the most respected names in architectural lighting.

Today, Gotham continues to embrace the challenges of downlighting product leadership. Bound by our time-honored design principles of optical performance and mechanical quality, we continue to innovate product concepts that optimize new source technologies and expand aesthetic choices for lighting professionals.

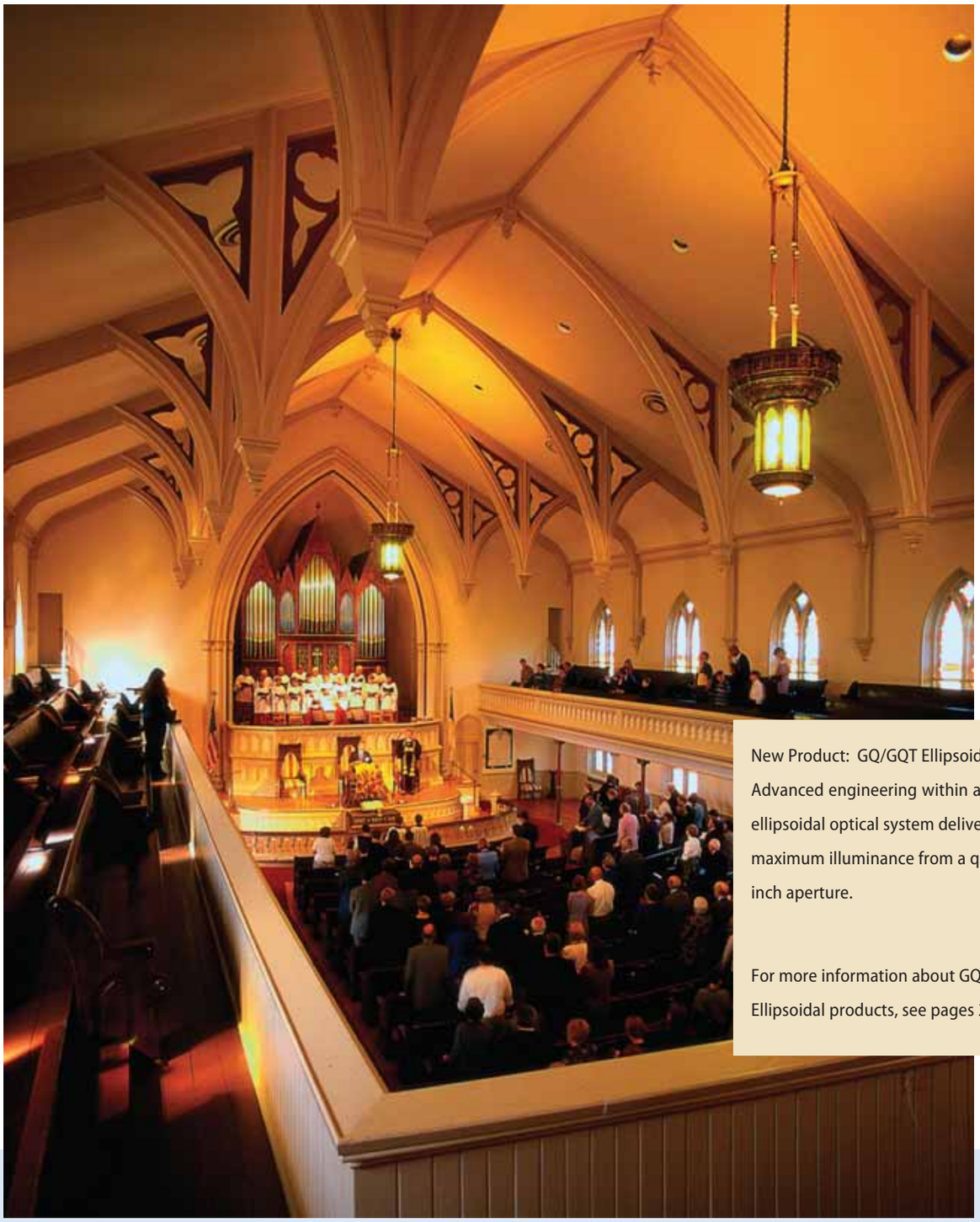


New Product: Elevations™ – Highly configurable, high performance pendant downlighting. The Elevations™ Series blends elegance and superior downlighting performance into today's ultimate architectural pendant.

For more information about Elevations™ luminaires, see pages 247-253.







New Product: GQ/GQT Ellipsoidal – Advanced engineering within a hybrid ellipsoidal optical system delivers maximum illuminance from a quiet 6-inch aperture.

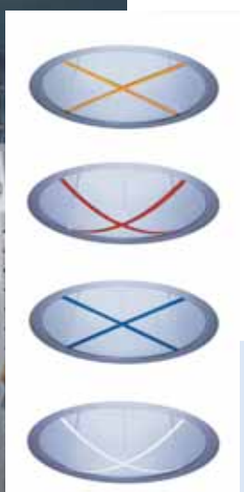
For more information about GQ and GQT Ellipsoidal products, see pages 236-237.



Candéo® – High performance recessed downlighting that challenges tradition to make its own individual design statement. Candéo® luminaires can be configured to present a wide variety of visual effects. The Candéo® Series is unique recessed downlighting designed to be seen.

For more information about Candéo® luminaires, see pages 220-221.





New Product: ICE™ Color Series – Luminous cross baffles with an edge. The ICE™ Color Series lets you draw attention to key areas or featured items in a space, and gives you another tool to augment your interior design palette. Choose ICE™ Color baffles in flush or round configurations in four vibrant edge-glow colors.

For more information about ICE™ Color baffles, see page 222.











CONTENTS

Downlighting

Compact Fluorescent	208
HID	224
Incandescent	232
Low Voltage	242, 246

Accent

Compact Fluorescent	216
HID	228
Incandescent	240
Low Voltage	243

Decorative Downlighting

Candéo®	221
ICE™/ICE™ Color	222
ICE™ Turbo	223

Decorative Pendants – Elevations™

Compact Fluorescent	248
HID	251
Incandescent	252
Options/Mounting	253

Cylinders

Compact Fluorescent	254
HID	259
Incandescent	261

Options & Accessories 266

Open Reflector

AFV

Vertical Lamp

Double Twin-Tube (DTT)
Triple-Tube (TRT)

Intended Use

For general downlight applications that demand high efficiency and low aperture brightness.

Optical System

Self-flanged, semi-specular or matte-diffuse reflector. Patented Vertisys® - Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, lamp image that reflects smoothly from the top of the reflector to the aperture, providing optimal fixture performance and efficiency.

Electrical System

Rugged aluminum lampholder housing. Vertically-mounted, positive-latch, thermoplastic socket. Class P, thermally-protected, high power factor ballast mounted to the junction box.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **AFV 26TRT 6AR MVOLT**

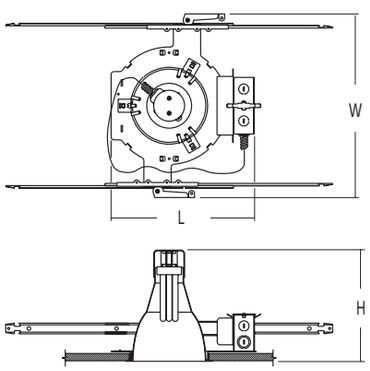
Series	Wattage/lamp	Aperture	Trim color	Finish	Lens type	Voltage	Options/accessories
AFV	**13DTT**	**4**[1]	**AR** Clear	(blank) Semi-specular	(blank) No lens	**120**	See pages 266-271.
	18DTT	**5**[1]	**PR** Pewter	**LD** Matte-diffuse	**CGL** Clear glass lens	**277**	
	26DTT	**6**	**UBR** Umber		**CAL** Clear acrylic lens	**347**	
	18TRT	**8**	**WTR** Wheat		**PCL** Clear polycarbonate lens	**MVOLT**[3]	
	26TRT		**WR** White painted[2]		**T73** Tempered prismatic lens		
	32TRT		**MB** Black baffle[2]		**A12** Prismatic acrylic lens		
	42TRT		**WB** White baffle[2]		**PPC** Prismatic polycarbonate lens		

Catalog No.	Lamp	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
AFV 4	DTT, TRT	9 (22.9)	13-5/8 (34.6)	15-7/8 (40.3)	4-5/16 (11.0)	5-1/8 (13.0)	5-7/16 (13.8)
AFV 5	DTT, TRT	9-3/8 (23.8)	13-5/8 (34.6)	15-7/8 (40.3)	5 (12.7)	5-7/8 (14.9)	6-1/4 (15.9)
AFV 6	DTT, 42TRT	10-1/4 (26.0)	13-5/8 (34.6)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AFV 6	13DTT, TRT	9-3/8 (23.8)	13-5/8 (34.6)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AFV 8	DTT, 42TRT	11 (27.9)	13-3/4 (34.9)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AFV 8	13DTT, TRT	10-1/8 (25.7)	13-3/4 (34.9)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

NOTES:
1. Available in 13DTT, 18TRT, 26TRT and 32TRT lamp only.
2. Not available with LD finish.
3. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: AFV

AFVW

Vertical Lamp

Double Twin-Tube (DTT)
Triple-Tube (TRT)

Intended Use

For general downlight wallwash applications that demand high efficiency, uniform vertical illumination and low aperture brightness.

Optical System

Self-flanged, semi-specular or matte-diffuse reflector. Patented Vertisys® - Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, lamp image that reflects smoothly from the top of the reflector to the aperture, and optimal fixture performance and efficiency. Patented hybrid wallwash kicker provides uniform vertical illumination with light high on the wall close to the ceiling and no roomside "back-flash."

Electrical System

Rugged aluminum lampholder housing. Vertically-mounted, positive-latch thermoplastic socket. Class P, thermally-protected, high power factor ballast mounted to the junction box.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke and flat spring utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

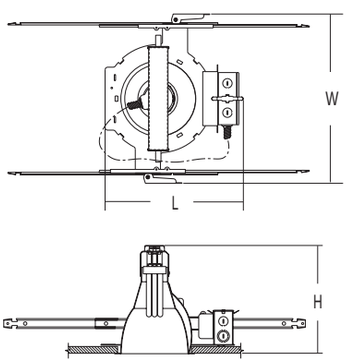
Example: **AFVW 26TRT 6AR MVOLT**

Series	Wattage/lamp	Aperture	Trim color	Finish	Lens type	Voltage	Options/accessories
AFVW	**13DTT**	**4**[1]	**AR** Clear	(blank) Semi-specular	(blank) No lens	**120**	See pages 266-271.
	18DTT	**5**[1]	**PR** Pewter	**LD** Matte-diffuse	**CGL** Clear glass lens	**277**	
	26DTT	**6**	**UBR** Umber		**CAL** Clear acrylic lens	**347**	
	18TRT	**8**	**WTR** Wheat		**PCL** Clear polycarbonate lens	**MVOLT**[3]	
	26TRT		**WR** White painted[2]				
	32TRT						
	42TRT						

Catalog No.	Lamp	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
AFVW 4	DTT, TRT	9 (22.9)	13-5/8 (34.6)	15-7/8 (40.3)	4-5/16 (11.0)	5-1/8 (13.0)	5-7/16 (13.8)
AFVW 5	DTT, TRT	9-3/8 (23.8)	13-5/8 (34.6)	15-7/8 (40.3)	5 (12.7)	5-7/8 (14.9)	6-1/4 (15.9)
AFVW 6	DTT, 42TRT	10-7/8 (27.6)	13-5/8 (34.6)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AFVW 6	13DTT, TRT	10 (25.4)	13-5/8 (34.6)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AFVW 8	DTT, 42TRT	11-5/8 (29.5)	13-3/4 (34.9)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AFVW 8	13DTT, TRT	10-5/8 (27.0)	13-3/4 (34.9)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

NOTES:
1 Available in 13DTT, 18TRT, 26TRT and 32TRT lamp only.
2 Not available with LD finish.
3 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: AFVW

Open Reflector

AF

Horizontal Lamp

Triple-Tube (TRT)

Intended Use

For general downlight applications that demand superior brightness control in shallow plenum areas.

Optical System

Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from the top of the reflector to bottom, and optimal fixture performance and efficiency. Hinged lampdoor reduces stray light in the plenum.

Electrical System

Horizontally-mounted, four-pin, positive-latch thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally-protected, high power factor electronic ballast(s) mounted to the junction box.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **AF 1/32TRT 8AR MVOLT**

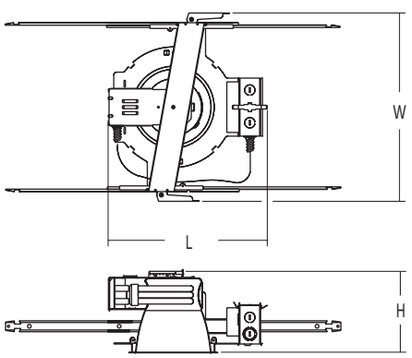
Series	No. of lamps	Wattage/lamp	Aperture	Trim color	Finish	Lens type	Voltage	Options/accessories
AF	**1**	**18TRT**	**6**	**AR** Clear	(blank) Semi-specular	(blank) No lens	**120**	See pages 266-271.
	2[1]	**26TRT**	**8**	**PR** Pewter	**LD** Matte-diffuse	**CGL** Clear glass lens	**277**	
	3[2]	**32TRT**	**10**	**UBR** Umber		**CAL** Clear acrylic lens	**347**	
		42TRT		**WTR** Wheat		**PCL** Clear polycarbonate lens	**MVOLT**[5]	
		57TRT[3]		**WR** White painted[4]		**T73** Tempered prismatic lens		
				MB Black baffle[4]		**A12** Prismatic acrylic lens		
				WB White baffle[4]		**PPC** Prismatic polycarbonate lens		
				BC Black cone[4]				

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
AF 6	7-3/4 (19.7)	13 -7/8 (35.2)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AF 8	8-3/4 (22.2)	14-1/2 (36.8)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AF 10	9-3/4 (24.8)	17-3/4 (45.1)	17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	11-1/8 (28.3)

NOTES:
1. Available in 8" and 10" aperture only.
2. Available in 10" aperture only.
3. Available in 8" aperture 1-lamp, or 10" aperture 1 or 2-lamp only, Sylvania or Philips.
4. Not available with LD finish.
5. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: AF

AFW

Horizontal Lamp

Triple-Tube (TRT)

Intended Use

For general downlight wallwash applications that demand superior brightness control and uniform vertical illumination in shallow plenum areas.

Optical System

Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from top of reflector to bottom. Patented hybrid wallwash kicker provides uniform vertical illumination with light high on the wall close to the ceiling and no roomside "back-flash." Hinged lampdoor reduces stray light in the plenum.

Electrical System

Horizontally-mounted, four-pin, positive-latch thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally-protected, high power factor electronic ballast(s) mounted to the junction box.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

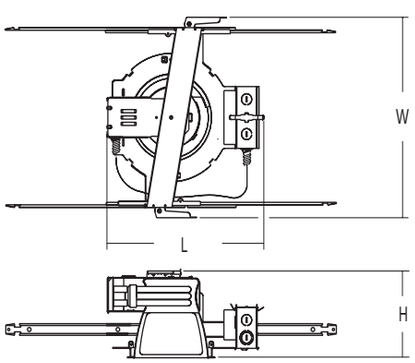
Example: **AFW 1/32TRT 8AR MVOLT**

Series	No. of lamps	Wattage/lamp	Aperture	Trim color	Finish	Lens type	Voltage	Options/accessories
AFW	**1**	**18TRT**	**6**	**AR** Clear	(blank) Semi-specular	(blank) No lens	**120**	See pages 266-271.
	2[1]	**26TRT**	**8**	**PR** Pewter	**LD** Matte-diffuse	**CGL** Clear glass lens	**277**	
	3[2]	**32TRT**	**10**	**UBR** Umber		**CAL** Clear acrylic lens	**347**	
		42TRT		**WTR** Wheat		**PCL** Clear polycarbonate lens	**MVOLT**[5]	
		57TRT[3]		**WR** White painted[4]				

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
AFW 6	7-3/4 (19.7)	13-7/8 (35.2)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AFW 8	8-3/4 (22.2)	14-1/2 (36.8)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AFW 10	9-3/4 (24.8)	17-3/4 (45.1)	17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	11-1/8 (28.3)

NOTES:
1. Available in 8" and 10" aperture only.
2. Available in 10" aperture only.
3. Available in 8" aperture 1-lamp, or 10" aperture 1 or 2-lamp only, Sylvania or Philips.
4. Not available with LD finish.
5. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: AFW

Open Reflector

AF

Horizontal Lamp

Double Twin-Tube (DTT)

Intended Use

For general downlight applications that demand superior brightness control in shallow plenum areas.

Optical System
Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from top of reflector to bottom.

Electrical System
Horizontally-mounted, positive-latch, thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally-protected, high power factor ballast(s) mounted to the junction box.

Mounting
16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **AF 2/26DTT 6AR MVOLT**

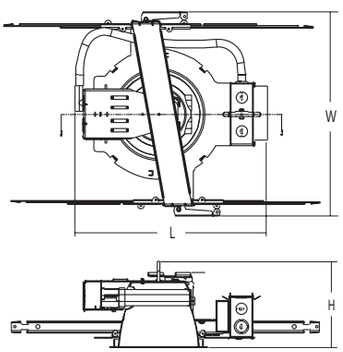
Series	No. of lamps	Wattage/lamp	Aperture	Trim color	Finish	Lens type	Voltage	Options/accessories
AF	**1**	**13DTT**	**6**	**AR** Clear	(blank) Semi-specular	(blank) No lens	**120**	See pages 266-271.
	2	**18DTT**	**8**	**PR** Pewter	**LD** Matte-diffuse	**CGL** Clear glass lens	**277**	
	3[1]	**26DTT**	**10**	**UBR** Umber		**CAL** Clear acrylic lens	**347**	
				WTR Wheat		**PCL** Clear polycarbonate lens	**MVOLT**[4]	
				WR White painted[2]		**T73** Tempered prismatic lens		
				MB Black baffle[2]		**A12** Prismatic acrylic lens		
				WB White baffle[2]		**PPC** Prismatic polycarbonate lens		
				BC Black cone[2,3]				

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
AF 6	6-3/4 (17.1)	15-3/4 (40.0)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-5/8 (19.4)
AF 8	7-3/4 (19.7)	15-3/4 (40.0)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AF 10	7-3/16 (18.3)	18-1/8 (46.0)	17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	10-7/8 (27.6)
AF 10 MB/WB	8-9/16 (21.7)	18-1/8 (46.0)	17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	10-7/8 (27.6)

NOTES:
1. Available in 10" aperture only.
2. Not available with LD finish.
3. Available in 6" and 8" aperture only.
4. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: AF

AFW

Horizontal Lamp

Double Twin-Tube (DTT)

Intended Use

For general downlight wallwash applications that demand superior brightness control and uniform vertical illumination in shallow plenum areas.

Optical System

Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from top of reflector to bottom. Patented hybrid wallwash kicker provides uniform vertical illumination with light high on the wall close to the ceiling and no roomside "back-flash."

Electrical System

Horizontally-mounted, positive-latch, thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally-protected, high power factor ballast(s) mounted to the junction box.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

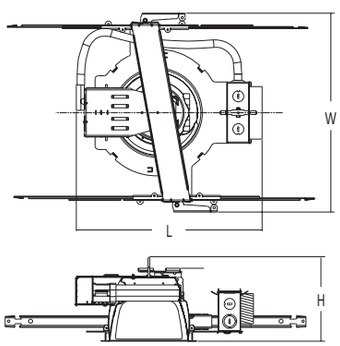
Example: **AFW 2/26DTT 6AR MVOLT**

Series	No. of lamps	Wattage/lamp	Aperture	Trim color	Finish	Lens type	Voltage	Options/accessories
AFW	**1**	**13DTT**	**6**	**AR** Clear	(blank) Semi-specular	(blank) No lens	**120**	See pages 266-271.
	2	**18DTT**	**8**	**PR** Pewter	**LD** Matte-diffuse	**CGL** Clear glass lens	**277**	
		26DTT		**UBR** Umber		**CAL** Clear acrylic lens	**347**	
				WTR Wheat		**PCL** Clear polycarbonate lens	**MVOLT**[2]	
				WR White painted[1]				

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
AFW 6	6-3/4 (17.1)	15-3/4 (40.0)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-5/8 (19.4)
AFW 8	7-3/4 (19.7)	15-3/4 (40.0)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

NOTES:
1. Not available with LD finish.
2. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: AFW

Cross Baffle Reflector

AF

Horizontal Lamp

Triple-Tube (TRT)

Intended Use

For general downlight applications that demand superior brightness control in shallow plenum areas. Cross baffle reflector provides additional shielding.

Optical System

Self-flanged, semi-specular or matte-diffuse reflector with cross baffle that offers optical cut-off with a clean aperture appearance. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from the top of the reflector to bottom. Hinged lampdoor reduces stray light in the plenum.

Electrical System

Horizontally-mounted, four-pin, positive-latch thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally-protected, high power factor electronic ballast(s) mounted to the junction box.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **AF 1/32TRT 8CB MVOLT**

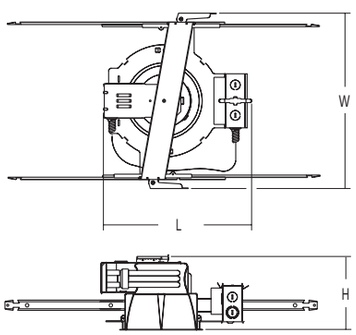
Series	No. of lamps	Wattage/lamp	Aperture	Trim color	Finish	Lens type	Voltage	Options/accessories
AF	**1**	**18TRT**	**6**	**CB** Clear cross baffle	(blank) Semi-specular	(blank) No lens	**120**	See pages 266-271.
	2[1]	**26TRT**	**8**		**LD** Matte-diffuse	**CGL** Clear glass lens	**277**	
	3[2]	**32TRT**	**10**			**CAL** Clear acrylic lens	**347**	
		42TRT				**PCL** Clear polycarbonate lens	**MVOLT**[4]	
		57TRT[3]				**T73** Tempered prismatic lens		
						A12 Prismatic acrylic lens		
						PPC Prismatic polycarbonate lens		

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
AF 6	7-3/4 (19.7)	13-7/8 (35.2)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AF 8	8-3/4 (22.2)	14-1/2 (36.8)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AF 10	9-3/4 (24.8)	17-3/4 (45.1)	17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	11-1/8 (28.3)

NOTES:
1. Available in 8" and 10" aperture only.
2. Available in 10" aperture only.
3. Available in 8" aperture 1-lamp, or 10" aperture 1 or 2-lamp only, Sylvania or Philips.
4. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: AF

AFZ/AFZW

Horizontal Lamp

Double Twin-Tube (DTT)

Intended Use

For general downlight and wallwash applications that demand superior brightness control in shallow plenum areas. Cross baffle reflector provides additional shielding.

Downlight Optical System

Specular upper reflector. Semi-specular or matte-diffuse reflector with cross baffle. Optical system optimally balances brightness control and high efficiency. Lamp is visible before reflected lamp image.

Wallwash Optical System

Specular upper reflector. Self-flanged, semi-specular or matte-diffuse reflector with cross baffle. Optical system designed to deliver a uniform distribution of light to the wall.

Electrical System

Die-cast aluminum lampholder housing ventilated for convective cooling. Horizontally-mounted, positive-latch thermoplastic sockets. Class P, thermally-protected, high power factor ballast(s) mounted to the junction box.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke used to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

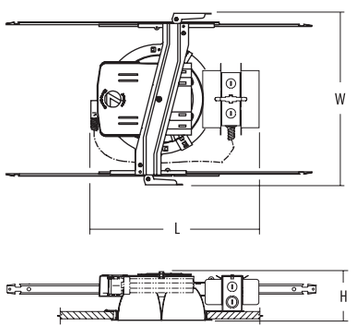
Example: **AFZW 2/26DTT 84A MVOLT**

Series	Wattage/lamp	Aperture/trim color	Finish	Voltage	Options/accessories
AFZ	**2/13DTT**	**84A** Clear	(blank) Semi-specular	**120**	See pages 266-271.
AFZW	**2/18DTT**	**84P** Pewter	**LD** Matte-diffuse	**277**	
	2/26DTT	**84UB** Umber		**347**	
		84WT Wheat		**MVOLT**[3]	
		84W White painted[1,2]			

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
AFZ/AFZW	5-1/4 (13.3)	15-5/8 (39.7)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/8 (23.2)

NOTES:
1. Not recommended for use with AFZW.
2. Not available with LD finish.
3. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keywords: AFZ and AFZW

Lensed Wallwash

DLWF

Double Twin-Tube (DTT)
Triple-Tube (TRT)

Intended Use

For downlight wallwash applications requiring a uniform wallwash distribution.

Optical System

Self-flanged, semi-specular or matte-diffuse compound contour finishing trim in combination with keyed, proprietary Gotham® spread lens delivers a uniform distribution of light to the wall. Enclosed lamp compartment reduces stray light in the plenum.

Electrical System

Horizontally-mounted, four-pin, positive-latch thermoplastic socket. Class P, thermally-protected, high power factor electronic ballast mounted to the junction box.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box will accommodate up to 1-1/2" thick ceiling. Formed housing with matte black finish. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system for precise ceiling-to-flange adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **DLWF 1/32TRT 6AR MVOLT**

Series	Wattage/lamp	Aperture	Trim color	Finish	Voltage	Options/accessories
DLWF	**1/26DTT**[1] **1/26TRT** **1/32TRT** **1/42TRT**	**6** **8**	**AR** Clear **PR** Pewter **UBR** Umber **WTR** Wheat **BR** Black[2] **WR** White painted[2]	(blank) Semi-specular **LD** Matte-diffuse	**120** **277** **347** **MVOLT**[3]	See pages 266-271.

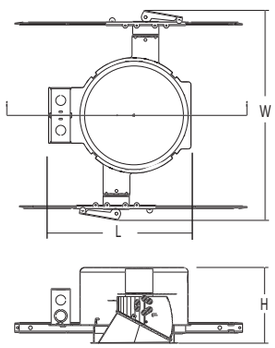
Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
DLWF 6	6-5/8 (16.9)	13-3/4 (34.9)	18-7/16 (46.8)	6-1/4 (15.9)	7-1/8 (18.1)	7-5/8 (19.5)
DLWF 8				7-7/8 (20.1)	8-7/8 (22.5)	9-3/8 (23.8)

NOTES:
1. Requires four-pin lamp, ships as a TRT fixture.
2. Not available with LD finish.
3. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.

NEW





www.gothamlighting.com, keyword: DLWF

LAF

Horizontal Lamp

Double Twin-Tube (DTT)
Triple-Tube (TRT)

Intended Use

Provides uniform general illumination for institutional, office, commercial and retail applications.

Optical System

Semi-specular anodized aluminum upper reflector.

Door

Die-cast aluminum door frame with gasketed flange. Regressed white door (RW), stepped black baffle (SB), stepped white baffle (SW) or flush white door (FW) available. White-painted flange.

Lens

Available with tempered prismatic lens (T73), semi-flush lens (SFL), drop opal lens (DOL), flat Fresnel lens (FFL), flat Holophane lens (FHL) or drop Holophane lens (DHL).

Electrical System

Horizontally-mounted, positive-latch, thermoplastic sockets. Class P, thermally-protected, high power factor ballast(s).

Mounting

16-gauge galvanized steel thru-wire junction box with bottom-hinged access covers and spring latches. Telescoping mounting bracket with integral nailer tabs. Expandable mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

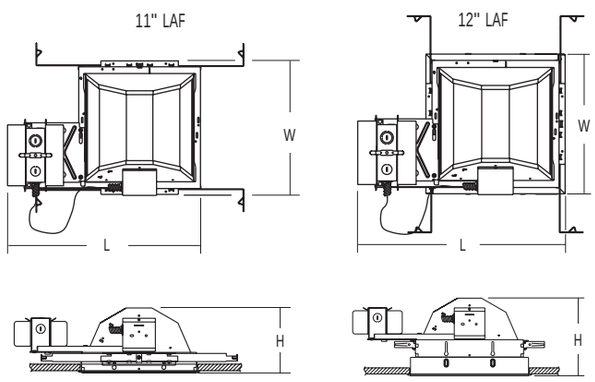
Example: **LAF 2/26DTT 11RW T73 MVOLT**

Series	Wattage/lamp	Aperture/door frame	Lens type	Voltage	Options/accessories
LAF	**1/26DTT**	**11RW** Regressed white door	11"	**120**	See pages 266-271.
	1/26TRT	**12SB** Stepped black baffle	**T73** Tempered prismatic lens	**277**	
	1/32TRT	**12SW** Stepped white baffle	**SFL** Semi-flush lens	**347**	
	1/42TRT	**12FW** Flush white door	**DOL** Drop opal lens	**MVOLT**[1]	
	2/13DTT		12"		
	2/18DTT		**T73** Tempered prismatic lens		
	2/26DTT		**FFL** Flat Fresnel lens		
	2/18TRT		**FHL** Flat Holophane lens		
	2/26TRT		**DHL** Drop Holophane lens		
	2/32TRT				
	2/42TRT				

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
LAF 11	6 (15.2)	17-1/2 (44.5)	12-1/8 (30.8)	10-1/2 (26.7)	11-1/4 (28.6)	11-5/8 (29.5)
LAF 12	7-3/4 (19.7)	18 (45.7)	12-1/8 (30.8)	10-7/8 (27.6)	12-1/4 (31.1)	12-5/8 (32.1)

NOTES:
1 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.




Regressed white (RW)


Flush white (FW)


Stepped black baffle (SB)

www.gothamlighting.com, keyword: LAF

Round Lens

LGF

Horizontal Lamp

Double Twin-Tube (DTT)
Triple-Tube (TRT)

Intended Use

For downlight applications such as offices, corridors, lobbies, retail and reception areas requiring enclosed optics in shallow plenum areas.

Optical System
White-painted upper reflector.

Door
Regressed white door (RW) or stepped black baffle (SB) are available. Door is retained by two self-aligning, torsion support springs.

Lens
Available with tempered prismatic lens (T73), flat Fresnel lens (FFL) and flat opal lens (FOL).

Electrical System
Horizontally-mounted, four-pin positive-latch, thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally-protected, high power factor electronic ballast(s) mounted to the junction box.

Mounting
16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

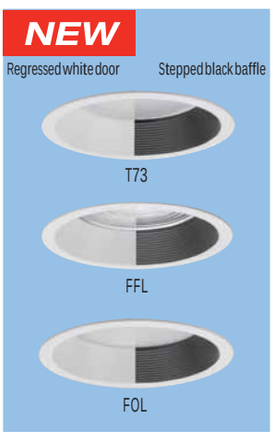
Example: **LGF 2/26TRT 8RW T73 MVOLT**

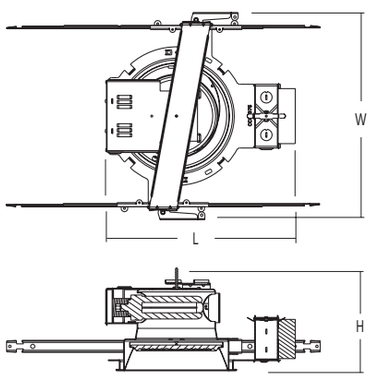
Series	No. of lamps	Wattage/lamp	Aperture	Door frame	Lens type	Voltage	Options/accessories
LGF	**1** **2**[1] **3**[2]	**26DTT**[3] **18TRT** **26TRT** **32TRT** **42TRT** **57TRT**[4]	**6** **8** **10**	**RW** Regressed white door **SB** Stepped black baffle	**T73** Tempered prismatic lens **FFL** Flat Fresnel lens **FOL** Flat opal lens	**120** **277** **347** **MVOLT**[5]	See pages 266-271.

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
LGF 6	6-3/4 (17.1)	13-7/8 (35.2)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
LGF 8	7-7/8 (20.1)	14-1/2 (36.8)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
LGF 10	8-5/8 (21.9)	17-3/4 (45.1)	17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	11-1/8 (28.3)

NOTES:
1. Available in 8" and 10" aperture only.
2. Available in 10" aperture only.
3. Requires four-pin lamp, ships as a TRT fixture.
4. Available in 8" aperture 1-lamp, or 10" aperture 1 or 2-lamp only, Sylvania or Philips.
5. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: LGF

LGFV

Vertical Lamp

Double Twin-Tube (DTT)
Triple-Tube (TRT)

Intended Use

For downlight applications such as offices, corridors, lobbies, retail and reception areas requiring enclosed optics, high efficiency and low aperture brightness.

Optical System
White-painted upper reflector.

Door
Regressed white door (RW) or stepped black baffle (SB) are available. Door is retained by two self-aligning, torsion support springs.

Lens
Available with tempered prismatic lens (T73), flat Fresnel lens (FFL) or flat opal lens (FOL).

Electrical System
Vertically-mounted, four-pin positive-latch, thermoplastic socket. Class P, thermally-protected, high power factor electronic ballast mounted to the junction box.

Mounting
16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

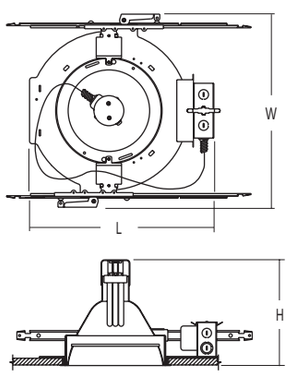
Example: **LGFV 26TRT 8RW T73 MVOLT**

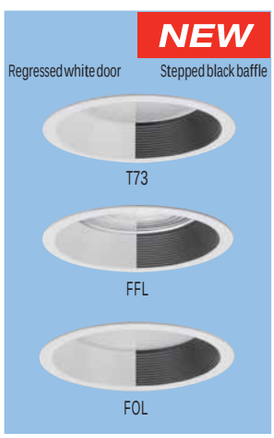
Series	Wattage/lamp	Aperture	Door frame	Lens type	Voltage	Options/accessories
LGFV	**26DTT**[1]	**6**	**RW** Regressed white door	**T73** Tempered prismatic lens	**120**	See pages 266-271.
	18TRT	**8**	**SB** Stepped black baffle	**FFL** Flat Fresnel lens	**277**	
	26TRT	**10**		**FOL** Flat opal lens	**347**	
	32TRT				**MVOLT**[3]	
	42TRT					
	57TRT[2]					
	70TRT[2]					

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
LGFV 6	9 (22.9)	13-5/8 (34.6)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
LGFV 8	9-5/8 (24.4)	13-5/8 (34.6)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
LGFV 10	14-1/8 (35.9)	17-3/4 (45.1)	17-1/4 (43.8)	9-3/4 (24.8)	10-1/2 (26.7)	11-1/8 (28.3)

NOTES:
1. Requires four-pin lamp, ships as a TRT fixture.
2. Available in 10" aperture only.
3. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: LGFV

Open Reflector

Candéo® Performance downlighting with an expressive luminance



Photo by Michelle Litvin / HOK Photography, St Louis, MO

PDGF

Horizontal Lamp

Candéo®
Triple-Tube (TRT)

Intended Use

Decorative luminaire designed to accentuate the space, adding visual interest.

Optical System

Three-part optical system interacts to create the effect of a clear specular aperture floating within a pool of diffused light (U.S. patent pending). Self-flanged white painted outer cone. Field adjustable to three settings, the inner reflector is painted white on the outer surface with semi-specular or matte-diffuse inner surface. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from top of reflector to bottom. Choice of colored diffuser adds visual interest. Hinged lamp door reduces stray light in the plenum.

Electrical System

Horizontally-mounted four-pin, positive-latch thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally-protected, high power factor electronic ballast(s) mounted to the junction box.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

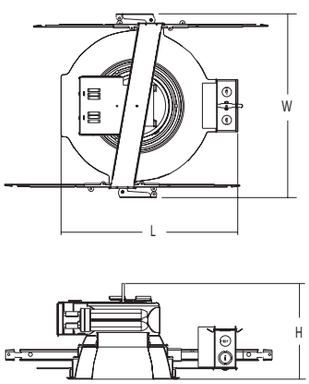
Example: **PDGF 1/32TRT 8AR GRN MVOLT**

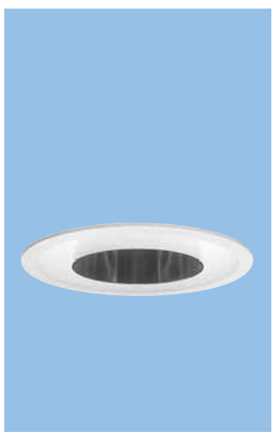
Series	No. of lamps	Wattage/lamp	Aperture/trim color	Finish	Lens type	Diffuser	Voltage	Options/accessories
PDGF	**1**	**18TRT**	**8AR** Clear	(blank) Semi-specular	(blank) No lens	**WHT** Snow	**120**	See pages 266-271.
	2	**26TRT**	**10AR** Clear	**LD** Matte-diffuse	**CAL** Clear acrylic lens	**GRN** Sea	**277**	
	3[1]	**32TRT**				**BLU** Sky	**347**	
		42TRT				**TAN** Sand	**MVOLT**[3]	
		57TRT[2]						

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
PDGF 8	8 (20.3)	14-1/2 (36.8)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
PDGF 10	9 (22.9)	17-3/4 (45.1)	17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	11-1/8 (28.3)

NOTES:
1 Available in 10AR only.
2 Available in 10AR 1- or 2-lamp or 8AR 1-lamp only, Sylvania or Philips.
3 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: PDGF

Luminous Cross-Baffle Reflector

PDXF

Horizontal Lamp

ICE™
Triple-Tube (TRT)

Intended Use

High-performance decorative luminaire designed to add visual interest or intrigue.

Optical System

Self-flanged, matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from top of reflector to bottom.

ICE™ clear acrylic cross baffle has surface that provides a decorative edge-glow appearance. Hinged lamp door reduces stray light in the plenum.

ICE™ Color available in red, blue, amber or white acrylic cross baffle jacketed with aluminum (U.S. Patent No. 6,273,592) provides a vibrant edge-glow appearance. Available in flush or round baffle styles.

Electrical System

Horizontally-mounted four-pin, positive-latch thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally-protected, high power factor electronic ballast(s) mounted to the junction box.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

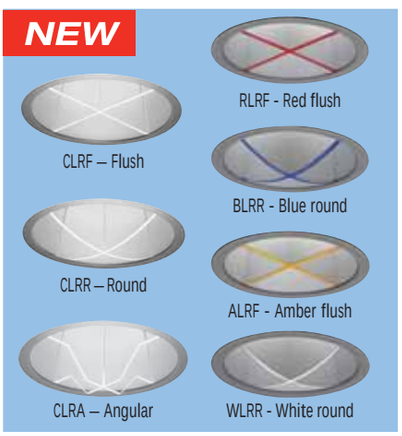
Example: **PDXF 1/32TRT 8AR CLRF MVOLT**

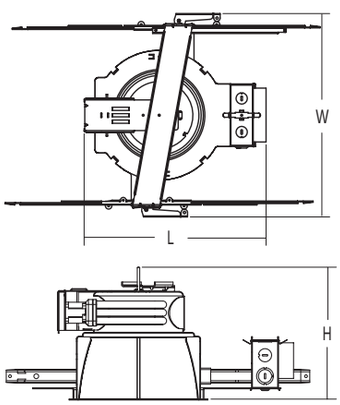
Series	No. of lamps	Wattage/lamp	Aperture/trim color	Baffle type	Voltage	Options/accessories
PDXF	**1** **2**[1]	**18TRT** **26TRT** **32TRT** **42TRT** **57TRT**[2]	**6AR** Clear **8AR** Clear	ICE™ **CLRF** Clear flush **CLRR** Clear round **CLRA** Clear angular ICE™ Color **RLRF** Red flush **RLRR** Red round **BLRF** Blue flush **BLRR** Blue round **ALRF** Amber flush **ALRR** Amber round **WLRF** White flush **WLRR** White round	**120** **277** **347** **MVOLT**[3]	See pages 266-271.

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
PDXF 6	7-3/4 (19.7)	13-7/8 (35.2)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
PDXF 8	8-3/4 (22.2)	14-1/2 (36.8)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

NOTES:
1 Available in 8AR only.
2 Available in 8AR 1-lamp only, Sylvania or Philips.
3 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: PDXF

PDTF

Horizontal Lamp

ICE™ Turbo
Triple-Tube (TRT)

Intended Use

High-performance decorative luminaire designed to add visual interest or intrigue.

Optical System

Self-flanged, matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from top of reflector to bottom. Clear acrylic turbo baffle has surface that provides a decorative edge-glow appearance. Hinged lamp door reduces stray light in the plenum.

Electrical System

Horizontally-mounted four-pin, positive-latch thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally-protected, high power factor electronic ballast(s) mounted to the junction box.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

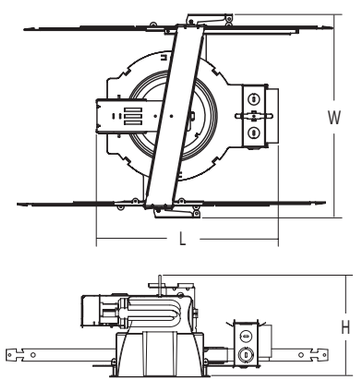
Example: **PDTF 1/32TRT 8AR MVOLT**

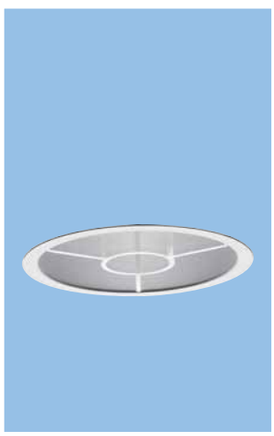
Series	No. of lamps	Wattage/lamp	Aperture/trim color	Voltage	Options/accessories
PDTF	**1** **2**[1]	**18TRT** **26TRT** **32TRT** **42TRT** **57TRT**[2]	**6AR** Clear **8AR** Clear	**120** **277** **347** **MVOLT**[3]	See pages 266-271.

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
PDTF 6	7-3/4 (19.7)	13-7/8 (35.2)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
PDTF 8	8-3/4 (22.2)	14-1/2 (36.8)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

NOTES:
1. Available in 8AR only.
2. Available in 8AR 1-lamp only, Sylvania or Philips.
3. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: PDTF

Open Reflector

AH

Vertical Lamp

Intended Use

For general downlight applications such as offices, corridors, lobbies, airports, retail locations and reception areas that demand high efficiency and low aperture brightness.

Optical System
Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from top of reflector to bottom.

Electrical System
Prewired, encased-and-potted, tray-mounted ballast module. Die-cast aluminum lampholder housing. Thermally activated insulation detector. Porcelain socket with nickel-plated screw shell.

Mounting
16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **AH 100M 6AR 120**

Series	Wattage/lamp[1]	Aperture[6]	Trim color	Distribution	Finish	Lens type	Voltage	Options/accessories
AH	Metal Halide **50M**[2] **70M**[2] **100M**[2] **150M**[2] **175M**[4] **250M**[4] **320M**[3,4,5] **350M**[3,4,5] **400M**[4,5] Ceramic Metal Halide[2] **50MHC** **70MHC** **100MHC** **150MHC**	**4** **6** **8** **10** **12**	**AR** Clear **PR** Pewter **UBR** Umber **WTR** Wheat **WR** White painted[7] **MB** Black baffle[7] **WB** White baffle[7] **BC** Black cone[7]	(blank) Standard **N** Narrow[8]	(blank) Semi-specular **LD** Matte-diffuse	(blank) No lens **CGL** Clear glass lens **T73** Tempered prismatic lens	**120** **277** **347**	See pages 266-271.

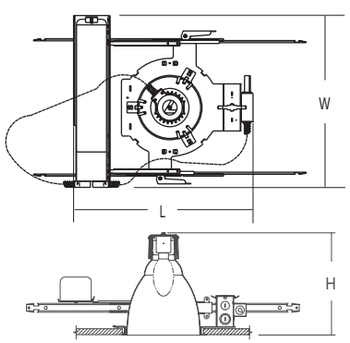
Catalog No./ socket	Max. wattage	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
AH 4 (MED)	70	9 (22.9)	20-1/4 (51.4)	17-3/4 (45.1)	4-5/16 (11.0)	5-1/8 (13.0)	5-7/16 (13.9)
AH 6 (MED)*	100	8-1/2 (21.6)	20-1/4 (51.4)	17-3/4 (45.1)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AH 8 (MED)*	150	9-3/16 (23.3)	20-1/4 (51.4)	17-3/4 (45.1)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AH 10 (MOG)	250	15-1/4 (38.7)	23-3/4 (60.3)	20-1/8 (51.1)	9-3/4 (24.8)	10-1/4 (26.0)	10-7/8 (27.6)
AH 12 (MOG)	400	19-1/4 (48.9)	23-3/4 (60.3)	20-1/8 (51.1)	11-11/16 (29.7)	12-1/2 (31.8)	12-11/16 (32.2)

*For narrow distribution (N), add 1" to height.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.

NOTES:
1. Recommended for use with coated lamps. Consult specification sheets for additional lamp types.
2. Medium-base socket provided for use with open-rated lamps. For enclosed-rated lamps, include lens from lens type field.
3. Not available in 347V.
4. Required safety glass provided.
5. Must use BT28 lamp.
6. Refer to chart for maximum wattage availability.
7. Not available with LD finish.
8. Available in 6" and 8" aperture only.





www.gothamlighting.com, keyword: AH

AHW

Vertical Lamp

Intended Use

For general downlight wallwash applications such as offices, corridors, lobbies, airports, retail locations and reception areas that demand high efficiency, uniform vertical illumination and low aperture brightness.

Optical System

Self-flanged, semi-specular or matte-diffuse reflector with semi-specular wallwash kicker. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from top of reflector to bottom. Patented hybrid wallwash kicker provides uniform vertical illumination with light high on the wall, close to the ceiling and no roomside "back-flash."

Electrical System

Prewired, encased-and-potted, tray-mounted ballast module. Die-cast aluminum lampholder housing. Thermally activated insulation detector. Medium-base porcelain socket with nickel-plated screw shell.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke and flat spring utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

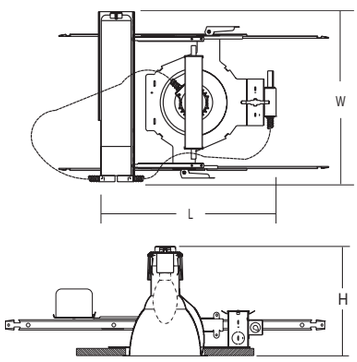
Example: **AHW 100M 6AR 120**

Series	Wattage/lamp[1,2]	Aperture[3]	Trim color	Finish	Lens type	Voltage	Options/accessories
AHW	Metal Halide **50M** **70M** **100M** **150M** Ceramic Metal Halide **50MHC** **70MHC** **100MHC** **150MHC**	**4** **6** **8**	**AR** Clear **PR** Pewter **UBR** Umber **WTR** Wheat **WR** White painted[4]	(blank) Semi-specular **LD** Matte-diffuse	(blank) No lens **CGL** Clear glass lens	**120** **277** **347**	See pages 266-271.

Catalog No.	Max. wattage	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
AHW 4	70	9 (22.9)	20-1/4 (51.4)	17-3/4 (45.1)	4-5/16 (11.0)	5-1/8 (13.0)	5-7/16 (13.8)
AHW 6	100	9-5/8 (24.4)	20-1/4 (51.4)	17-3/4 (45.1)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AHW 8	150	10-3/8 (26.4)	20-1/4 (51.4)	17-3/4 (45.1)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

NOTES:
1. Recommended for use with coated lamps. Consult specification sheets for additional lamp types.
2. Socket provided for use with open-rated lamps. For enclosed-rated lamps, include lens from lens type field.
3. Refer to chart for maximum wattage availability.
4. Not available with LD finish.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: AHW

Open Reflector, Low Profile

AHZ

Horizontal Lamp

Intended Use

For general downlight applications such as offices, corridors, lobbies, airports, retail locations and reception areas that demand superior brightness control in shallow plenum areas.

Optical System
Self-flanged, semi-specular or matte-diffuse reflector with tempered prismatic lens. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from the top of the reflector to bottom, providing optimal fixture performance and efficiency. Hinged lampdoor reduces stray light in the plenum.

Electrical System
Prewired, encased-and-potted, tray-mounted ballast module. Socket housing designed for effective heat-dissipation. Thermally activated insulation detector. Medium-base porcelain socket with nickel-plated screw shell.

Mounting
16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **AHZ 100M 6AR 120**

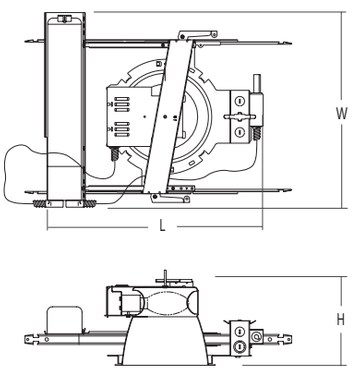
Series	Wattage/lamp[1]	Aperture	Trim color	Finish	Voltage	Options/accessories
AHZ	Metal Halide **50M** **70M** **100M** Ceramic Metal Halide **50MHC** **70MHC** **100MHC**	**6** **8**	**AR** Clear **PR** Pewter **UBR** Umber **WTR** Wheat **WR** White painted[2] **MB** Black baffle[2] **WB** White baffle[2] **BC** Black cone[2]	(blank) Semi-specular **LD** Matte-diffuse	**120** **277** **347**	See pages 266-271.

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
AHZ 6	7-3/4 (19.7)	20-1/4 (51.4)	17-3/4 (45.1)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AHZ 8	8-3/4 (22.2)			7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

NOTES:
1 Recommended for use with coated lamps. See specification sheets for additional lamp types.
2 Not available with LD finish.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: AHZ

APRH

Vertical Lamp

PAR

Intended Use

For general downlight or accent applications in offices, hotels, lobbies, churches, auditoriums and retail locations.

Optical System

Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from top of reflector to bottom. Patent-pending integrated snoot and optical system minimizes lamp striations normally associated with PAR lamps and creates visually pleasing scallops on vertical surfaces.

Electrical System

Pre-wired, encased-and-potted, tray module mounted ballast module. Die-cast aluminum lampholder housing. Thermally activated insulation detector. Medium-base porcelain socket with nickel-plated screw shell.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

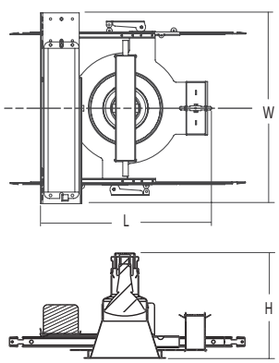
Example: **APRH P2039MHC 4AR 120**

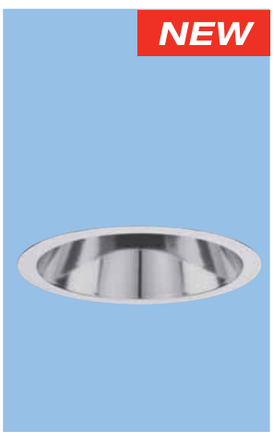
Series	Size	Wattage/lamp	Aperture[1]	Trim color	Finish	Voltage	Options/accessories
APRH	**P20**	Metal Halide	**4**	**AR** Clear	(blank) Semi-specular	**120**	See pages 266-271.
	P30	**70M** PAR38	**6**	**BR** Black[2]	**LD** Matte-diffuse	**277**	
	P38	**100M** PAR38	**8**	**PR** Pewter		**347**	
		150M PAR38		**UBR** Umber			
		Ceramic Metal Halide		**WTR** Wheat			
		39MHC PAR20 or PAR30		**MB** Black baffle[2,3]			
		70MHC PAR30 or PAR38		**WB** White baffle[2,3]			
		100MHC PAR38					
		150MHC PAR38					

Catalog No.	Size	Max. wattage	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
APRH4	P20	39MHC (PAR20)	8-13/16 (22.4)	20-1/4 (51.4)	17-3/4 (45.1)	4-5/16 (11.0)	5-1/8 (13.0)	5-7/16 (13.8)
	P30	39, 70MHC (PAR30)	8-5/8 (21.9)					
APRH6	P30	39, 70MHC (PAR30)	9-9/16 (24.3)			6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
	P38	70, 100, 150MHC (PAR38) 70, 100, 150M (PAR38)	10-13/16 (27.5)					
APRH8	P38	70, 100, 150MHC (PAR38) 70, 100, 150M (PAR38)	11-3/16 (28.4)			7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

NOTES:
1. Refer to chart for wattage/lamp availability.
2. Not available with LD finish.
3. Available in 4" and 6" aperture only.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: APRH

Directional

DPH

Adjustable Lamp

PAR

Intended Use

Suitable for offices, restaurants, showrooms, museums, retail locations and reception areas where directional accent lighting is desired.

Optical System

Self-flanged, semi-specular or matte-diffuse cone designed to minimize backflash. Contour cut minimizes visibility of inner housing. Center Beam optical system centers lamp relative to the aperture, optimizing lamp efficiency. Optical system retained by two self-aligning, torsion support springs. Relamping capability from above or below ceiling.

Adjustment Mechanism

Tool-less 0°-40° vertical and 360° horizontal adjustment. Hot lamp aiming capability. Lockable adjustment mechanisms maintain lamp position and are visible from below the ceiling with optical system removed.

Electrical System

Prewired, encased-and-potted tray mounted ballast module. Thermally activated insulation detector. Medium-base porcelain socket with nickel-plated screw shell.

Mounting

Rolled steel housing with matte black finish and plaster flange. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system for precise ceiling-to-flange alignment. Tool-less access door to thru-wire juncion box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **DPH P38100M 8ACT30 120**

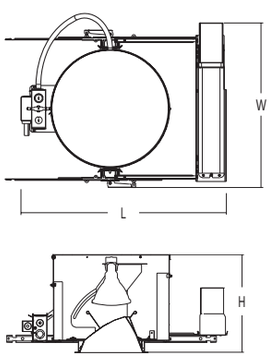
Series	Size	Wattage/lamp	Aperture[1]	Trim color	Type	Finish	Voltage	Options/accessories
DPH	**P20**	Metal Halide	**4**	**AC** Clear	**T00** Cut for angles 0° - 15°	(blank) Semi-specular	**120**	See pages 266-271.
	P30	**70M** PAR38	**6**	**PC** Pewter	**T20** Cut for angles 15° - 25°	**LD** Matte-diffuse	**277**	
	P38	**100M** PAR38	**8**	**UBC** Umber	**T30** Cut for angles 25° - 40°		**347**	
		150M PAR38		**WTC** Wheat				
		Ceramic Metal Halide		**WC** White painted[2]				
		39MHC PAR20 or PAR30		**BC** Black[2]				
		70MHC PAR30 or PAR38		**MB** Black baffle[2]				
		100MHC PAR38		**WB** White baffle[2]				
		150MHC PAR38						

Catalog No.	Size	Wattage/Lamp	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
DPH 4	P20	39MHC (PAR20)	9-1/2 (24.1)	18-3/4 (47.6)	18-1/4 (46.4)	4-3/8 (11.1)	5-1/8 (13.0)	5-7/16 (13.8)
DPH 6	P38 P38 P30	70, 100, 150M (PAR38) 70, 100, 150MHC (PAR38) 39, 70MHC (PAR30)	12-1/8 (30.8)	25-5/8 (65.1)	19-3/4 (50.2)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
DPH 8	P38 P38 P30	70, 100, 150M (PAR38) 70, 100, 150MHC (PAR38) 39, 70MHC (PAR30)	12-1/8 (30.8)	25-5/8 (65.1)	19-3/4 (50.2)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.

NOTES:
1 Refer to chart for wattage/lamp availability.
2 Not available with LD finish.





www.gothamlighting.com, keyword: DPH

DLWH

Adjustable Lamp

PAR

Intended Use

Suitable for wallwash applications such as museums, offices, retail areas, showrooms, lobbies and restaurants.

Optical System

Self-flanged, semi-specular or matte-diffuse compound contour finishing trim in combination with keyed, proprietary Gotham® spread lens delivers a uniform distribution of light to the wall. Enclosed lamp compartment reduces stray light in the plenum. Relamping capability from above or below ceiling without the use of tools

Electrical System

Pre-wired, encased-and-potted tray mounted ballast module. Thermally activated insulation detector. Medium-base porcelain socket with nickel-plated screw shell.

Mounting

Rolled steel housing with matte black finish and plaster flange will accommodate up to 1-1/2" thick ceiling. Tool-less access door provides access to thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system for precise ceiling-to-flange adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

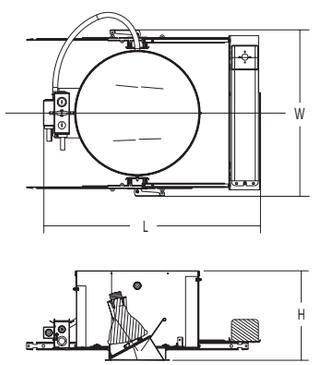
Example: **DLWH 100M 6AR 120**

Series	Wattage/lamp	Aperture	Trim color	Finish	Voltage	Options/accessories
DLWH	Metal Halide **70M** PAR38 **100M** PAR38 **150M** PAR38 Ceramic Metal Halide **70MHC** PAR38 **100MHC** PAR38 **150MHC** PAR38	**6** **8**	**AR** Clear **PR** Pewter **UBR** Umber **WTR** Wheat **BR** Black[1] **WR** White painted[1]	(blank) Semi-specular **LD** Matte-diffuse	**120** **277** **347**	See pages 266-271.

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
DLWH 6	10-1/2 (26.7)	25-5/8 (65.1)	19-3/4 (50.2)	6-1/4 (15.9)	6-7/8 (17.5)	7-5/8 (19.4)
DLWH 8				7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

NOTES:
1 Not available with LD finish.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: DLWH

Round Lens

LGH/LGHZ

Vertical or Horizontal Lamp

Intended Use

For downlight applications such as offices, corridors, lobbies, retail and reception areas requiring enclosed optics.

Optical System
White-painted upper reflector.

Door
Regressed white door (RW) or stepped black baffle (SB) are available. Door is retained by two self-aligning, torsion support springs.

Lens
Available with tempered prismatic lens (T73), flat Fresnel lens (FFL) or flat opal lens (FOL).

Electrical System
Prewired, encased-and-potted, tray-mounted ballast module. Lampholder housing designed for effective heat-dissipation. Thermally activated insulation detector. Porcelain socket with nickel-plated screw shell.

Mounting
16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **LGH 100M 6RW T73 120**

Series	Wattage/lamp[1]	Aperture[2]	Door frame	Lens type	Voltage	Options/accessories
LGH Vertical	Metal Halide	**6**	**RW** Regressed white door	**T73** Tempered prismatic lens	**120**	See pages 266-271.
LGHZ Horizontal	**50M**	**8**	**SB** Stepped black baffle	**FFL** Flat Fresnel lens	**277**	
	70M	**10**		**FOL** Flat opal lens	**347**	
	100M					
	150M					
	175M					
	250M					
	Ceramic Metal Halide					
	50MHC					
	70MHC					
	100MHC					
	150MHC					

Catalog No./ socket	Max. wattage	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
LGH 6 (MED)	100	9-3/8 (23.8)	20-1/4 (51.4)	17-3/4 (45.1)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
LGH 8 (MED)	150	10 (25.4)	20-1/4 (51.4)	17-3/4 (45.1)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
LGH 10 (MOG)*	250	14-1/4 (36.2)	23-3/4 (60.3)	20-1/8 (51.1)	9-3/4 (24.8)	10-1/2 (26.7)	10-7/8 (27.6)
LGHZ 6 (MED)	100	6-3/4 (17.1)	20-1/4 (51.4)	17-3/4 (45.1)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
LGHZ 8 (MED)	100	7-7/8 (20.1)	20-1/4 (51.4)	17-3/4 (45.1)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
LGHZ 10 (MED)	100	8-5/8 (21.9)	23-3/4 (60.3)	17-3/4 (45.1)	9-3/4 (24.8)	10-1/2 (26.7)	10-7/8 (27.6)

*Medium-base socket used with 150W or lower metal halide lamps.

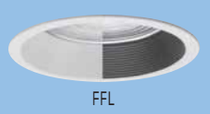
NOTES:
1. See specification sheets for additional lamp types.
2. Refer to chart for maximum wattage availability.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.

NEW

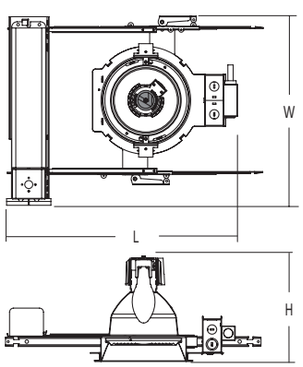
Regressed white door | Stepped black baffle


T73

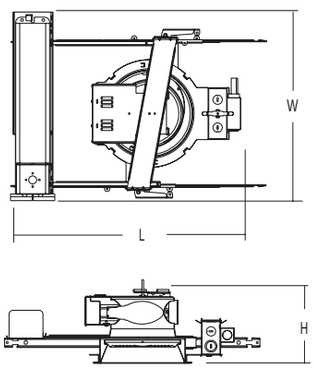

FFL


FOL

LGH – Vertical Lamp



LGHZ – Horizontal Lamp



www.gothamlighting.com, keywords: LGH and LGHZ

LAH

Horizontal Lamp

Intended Use

Provides uniform general illumination for institutional, office, commercial and retail applications.

Optical System
Semi-specular anodized aluminum upper reflector.

Door
Die-cast aluminum door frame with gasketed flange. Regressed white door (RW), stepped black baffle (SB), stepped white baffle (SW) or flush white door (FW) are available. White painted flange.

Lens
Available with tempered prismatic lens (T73), semi-flush lens (SFL), drop opal lens (DOL), flat Fresnel lens (FFL), flat Holophane lens (FHL) or drop Holophane lens (DHL).

Electrical System
Prewired, HPF, core-and-coil ballast. Thermally activated insulation detector. Porcelain socket with nickel-plated screw shell.

Mounting
16-gauge galvanized steel thru-wire junction box with bottom-hinged access covers and spring latches. Telescoping mounting bracket with integral nailer tabs. Expandable mounting bars provide horizontal and vertical adjustment.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **LAH 100M 11RW T73 120**

Series
LAH

Wattage/lamp
Metal Halide
50M
70M
100M
150M
175M
250M[1]
Ceramic Metal Halide
50MHC
70MHC
100MHC
150MHC

Aperture/door frame[2]
11RW Regressed white door
12SB Stepped black baffle
12SW Stepped white baffle
12FW Flush white door

Lens type
11"
T73 Tempered prismatic lens
SFL Semi-flush lens
DOL Drop opal lens
12"
T73 Tempered prismatic lens
FFL Flat Fresnel lens
FHL Flat Holophane lens
DHL Drop Holophane lens

Voltage
120
208
240
277
347

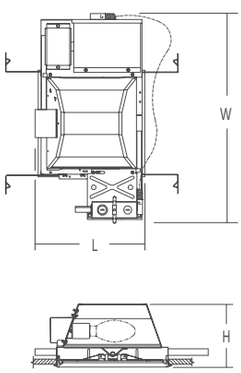
Options/accessories
See pages 266-271.

Catalog No./ socket	Max. wattage	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
LAH 11 (MED)	100	6 (15.2)	12 (30.5)	17-3/4 (45.1)	10-1/2 (26.7)	11-1/4 (28.6)	11-5/8 (29.5)
LAH 12 (MOG)	175	7-3/4 (19.7)	12-3/8 (32.4)	17-3/4 (45.1)	10-7/8 (27.6)	12-1/4 (31.1)	12-5/8 (32.1)
LAH 12 (MOG)	250		18 (45.7)				

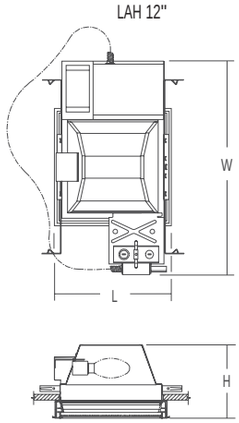
NOTES:
1. Provided with encased-and-potted ballast; 120, 277 or 347V only.
2. Refer to chart for maximum wattage availability.

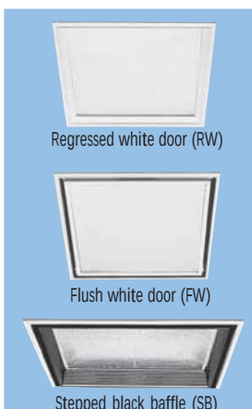
Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.

LAH 11"



LAH 12"





www.gothamlighting.com, keyword: LAH

Open Reflector

A

Vertical Lamp

Intended Use

For general downlight applications such as offices, corridors, lobbies, retail and reception areas requiring optimal color rendering, superior optical control and convenient dimming.

Optical System

Self-flanged, semi-specular, matte-diffuse or specular reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, lamp image that reflects smoothly from the top of the reflector to the aperture, and optimal fixture performance and efficiency.

Electrical System

Die-cast aluminum lampholder housing. Thermally activated insulation detector. Porcelain socket with nickel-plated screw shell.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **A 6AR**

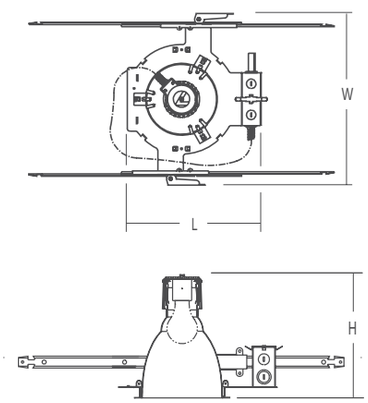
Series	Aperture[1]	Trim color	Finish	Lens type	Options/accessories
A	**4**	**AR** Clear	(blank) Semi-specular	(blank) No lens	See pages 266-271.
	6	**PR** Pewter	**LD** Matte-diffuse	**CGL** Clear glass lens	
	8	**UBR** Umber	**LS** Specular	**T73** Tempered prismatic lens	
	12	**WTR** Wheat			
		CR Champagne gold			
		GR Gold			
		WR White painted[2]			
		BC Black cone[2]			
		MB Black baffle[2]			
		WB White baffle[2]			

Catalog No./ socket	Max. wattage/ lamp	Max. height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
A 4 (MED)	100W A17/A19	8-3/16 (20.8)	13-5/8 (34.6)	15-7/8 (40.3)	4-5/16 (11.0)	5-1/8 (13.0)	5-7/16 (13.8)
A 6 (MED)	100W A17/A19	8-11/16 (21.1)			6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
	150W A21	9-11/16 (24.6)					
A 8 (MED)	150W A21	10-1/8 (25.7)			7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
	200W A23	11-1/8 (28.3)					
	300W PS25	11-3/4 (29.8)					
A 12 (MOG)	500W PS40	19-1/4 (48.9)	17 (43.2)	17-3/16 (43.7)	11-11/16 (29.7)	12-1/2 (31.8)	12-13/16 (32.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.

NOTES:
1 Refer to chart for maximum wattage/lamp availability.
2 Not available with finishes.





www.gothamlighting.com, keyword: A

AW

Vertical Lamp

Intended Use

For general downlight wallwash applications, such as offices, corridors, lobbies, retail and reception areas requiring optimal color-rendering, superior optical control and convenient dimming.

Optical System

Self-flanged, semi-specular, matte-diffuse or specular reflector with semi-specular wallwash kicker. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, that reflects smoothly from the top of the reflector to the aperture, and optimal fixture performance and efficiency. Patented hybrid wallwash kicker provides uniform vertical illumination with light high on the wall, close to the ceiling and no roomside "backflash."

Electrical System

Die-cast aluminum lampholder housing. Thermally activated insulation detector. Medium-base porcelain socket with nickel-plated screw shell.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke and flat spring utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

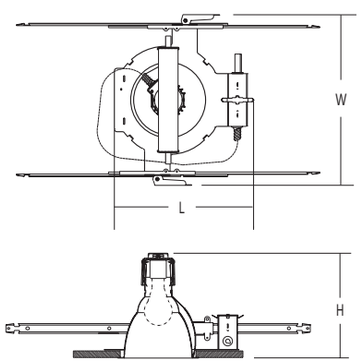
Example: **AW 6AR**

Series	Aperture[1]	Trim color	Finish	Lens type	Options/accessories
AW	**4**	**AR** Clear	(blank) Semi-specular	(blank) No lens	See pages 266-271.
	6	**PR** Pewter	**LD** Matte-diffuse	**CGL** Clear glass lens	
	8	**UBR** Umber	**LS** Specular		
		WTR Wheat			
		CR Champagne gold			
		GR Gold			
		WR White painted[2]			

Catalog No./ socket	Max. wattage/ lamp	Max. height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
AW 4 (MED)	100W A17/A19	8-7/16 (21.4)	13-5/8 (34.6)	15-7/8 (40.3)	4-5/16 (11.0)	5-1/8 (13.0)	5-7/16 (13.8)
AW 6 (MED)	100W A17/A19	8-11/16 (21.1)			6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
	150W A21	9-11/16 (24.6)					
AW 8 (MED)	150W A21	10-3/8 (26.4)			7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
	200W A23	11-3/8 (28.9)					
	300W PS25	12 (30.5)					

NOTES:
1. Refer to chart for maximum wattage/lamp availability.
2. Not available with finishes.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: AW

Open or Wallwash Reflector, Low Profile

AZ/AZW

Horizontal Lamp

Intended Use

For general downlight or wallwash applications, such as offices, corridors, lobbies, retail and reception areas requiring optimal color rendering, superior optical control and convenient dimming in shallow plenum areas.

Optical System

Self-flanged, semi-specular, matte-diffuse or specular reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from the top of the reflector to the bottom, and optimal fixture performance and efficiency. Hinged lamp door reduces stray light in the plenum. Wallwash design includes patented hybrid kicker, providing uniform vertical illumination.

Electrical System

Socket housing designed for effective heat dissipation. Thermally activated insulation detector. Medium base porcelain socket with nickel-plated screw shell.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **AZ 6AR**

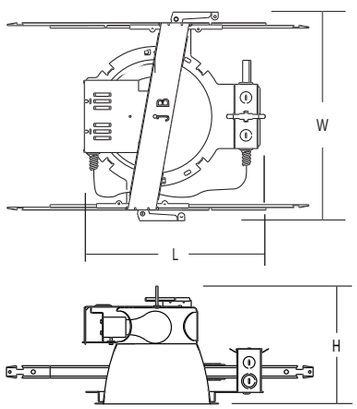
Series	Aperture[1]	Trim color	Finish	Lens type	Options/accessories
AZ	**6**	**AR** Clear	(blank) Semi-specular	(blank) No lens	See pages 266-271.
AZW	**8**	**PR** Pewter	**LD** Matte-diffuse	**CGL** Clear glass lens	
		UBR Umber	**LS** Specular	**T73** Tempered prismatic lens[3]	
		WTR Wheat			
		CR Champagne gold			
		GR Gold			
		WR White painted[2]			
		BC Black cone[2,3]			
		MB Black baffle[2,3]			
		WB White baffle[2,3]			

Catalog No.	Max. wattage/ lamp	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
AZ/AZW 6	100W A17/A19	7-3/4 (19.7)	13-7/8 (35.2)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AZ/AZW 8	150W A21	8-3/4 (22.2)			7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

NOTES:
1. Refer to chart for maximum wattage availability.
2. Not available with finishes.
3. Not available with AZW fixture.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keywords: AZ and AZW

APR

Vertical Lamp

PAR

Intended Use

For general downlight applications such as offices, hotels, lobbies, churches, auditoriums and retail locations where optimal color rendering and convenient dimming are desired.

Optical System

Self-flanged, semi-specular, matte-diffuse or specular reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from top of reflector to bottom. Patent-pending integrated snoot and optical system minimizes lamp striations normally associated with PAR lamps and creates visually pleasing scallops on vertical surfaces.

Electrical System

Die-cast aluminum lampholder housing. Thermally activated insulation detector. Medium base porcelain socket with nickel-plated screw shell.

Mounting

16-gauge galvanized steel mounting frame with thru-wire junction box. Integral yoke and flat spring utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

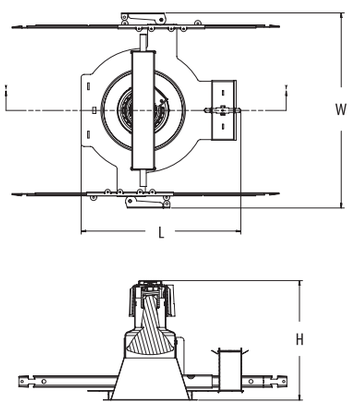
Example: **APR PAR20 4AR**

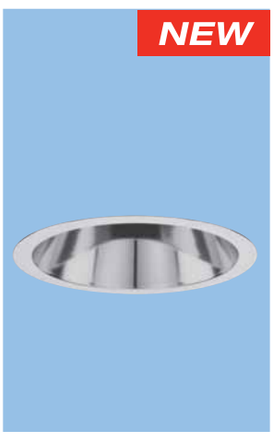
Series	Lamp type[1]	Aperture	Trim color	Finish	Options/accessories
APR	**PAR20** PAR20 (50W max) **PAR30** PAR30 (75W max) **PAR38** PAR38 (250W max)	**4** **6** **8**	**AR** Clear **BR** Black[2] **PR** Pewter **UBR** Umber **WTR** Wheat **CR** Champagne gold **GR** Gold **MB** Black baffle[2,3] **WB** White baffle[2,3]	(blank) Semi-specular **LD** Matte-diffuse **LS** Specular	See pages 266-271.

Catalog No.	Max. wattage/ lamp	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
APR 4	50W PAR20	8-13/16 (22.4)	13-5/8 (34.3)	15-7/8 (40.3)	4-5/16 (10.9)	5-1/8 (13.0)	5-7/16 (13.8)
	75W PAR30	8-5/8 (21.9)					
APR 6	75W PAR30	9-9/16 (24.3)			6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
	250W PAR38	10-3/16 (27.5)					
APR 8	250W PAR38	11-1/4 (28.6)			7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

NOTES:
1. Refer to chart for maximum wattage/ lamp availability.
2. Not available with finishes.
3. Available in 4" and 6" aperture only.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: APR

Ellipsoidal Reflector

GQ

Quartz Halogen T4 Lamp

Intended Use

A small-aperture quartz incandescent fixture suitable for applications with high ceilings, such as churches, malls or auditoriums.

Optical System

Semi-specular upper reflector and self-flanged, semi-specular, matte-diffuse or specular finishing trim provide optimal glare control. Three preset distribution patterns available with protective lamp guard standard. Relamping capability from above or below ceiling without the use of tools.

Electrical System

Heavy-duty mini-can socket for T-4 lamp is integrated into the die-cast aluminum housing with 3 square feet of surface area to dissipate heat and improve lamp life. Thermally activated insulation detector.

Mounting

16-gauge painted steel mounting/plaster frame with thru-wire junction box will accommodate up to 1-1/2" thick ceiling. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system for precise ceiling-to-flange adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Suitable for installation on non-fire resistant material.

Ordering Information

Example: **GQ 250 M 6AR**

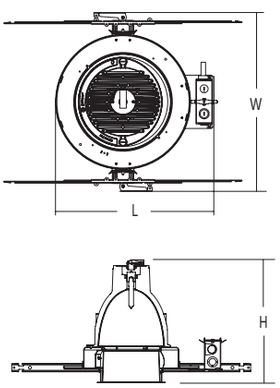
Series	Lamp wattage[1]	Distribution	Aperture/trim color	Finish	Options/accessories
GQ	**150**	**N** Narrow	**6AR** Clear	(blank) Semi-specular	See pages 266-271.
	250	**M** Medium	**6BR** Black[2]	**LD** Matte-diffuse	
	400	**W** Wide	**6PR** Pewter	**LS** Specular	
	500		**6UBR** Umber		
			6WTR Wheat		
			6CR Champagne gold		
			6GR Gold		
			6MB Black baffle[2]		
			6WB White baffle[2]		

Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
GQ	13-7/16 (34.1)	17-7/16 (44.3)	19-11/16 (50.0)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)

NOTES:
1 Recommended for use with frosted lamp.
2 Not available with finishes.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: GQ

GQT

Quartz Halogen T4 Lamp

Intended Use

A small-aperture quartz incandescent fixture suitable for applications with high ceilings, such as churches, malls or auditoriums.

Optical System

Semi-specular upper reflector and self-flanged, semi-specular, matte-diffuse or specular compound contour finishing trim provide optimal glare control. Center beam optical system centers the lamp relative to the aperture, optimizing luminaire efficiency. Three preset distribution patterns available with protective lamp guard standard. Relamping capability from above or below ceiling without the use of tools.

Adjustment Mechanism

Tool-less, lockable 0° to 30° vertical adjustment mechanism maintains lamp position and is visible from below the ceiling with the finishing trim removed. Full 360° horizontal adjustment.

Electrical System

Heavy-duty mini-can socket for T-4 lamp is integrated into the die-cast aluminum housing with 3 square feet of surface area to dissipate heat and improve lamp life. Thermally activated insulation detector.

Mounting

16-gauge painted steel mounting/plaster frame with thru-wire junction box will accommodate up to 1-1/2" thick ceiling. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system for precise ceiling-to-flange adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Suitable for installation on non-fire resistant material.

Ordering Information

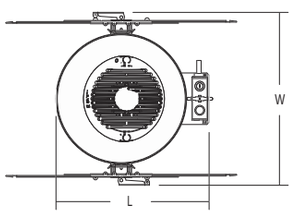
Example: **GQT 250 M 6AR**

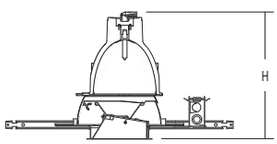
Series	Lamp wattage[1]	Distribution	Aperture/trim color	Finish	Options/accessories
GQT	**150**	**N** Narrow	**6AR** Clear	(blank) Semi-specular	See pages 266-271.
	250	**M** Medium	**6BR** Black[2]	**LD** Matte-diffuse	
	400	**W** Wide	**6PR** Pewter	**LS** Specular	
	500		**6UBR** Umber		
			6WTR Wheat		
			6CR Champagne gold		
			6GR Gold		

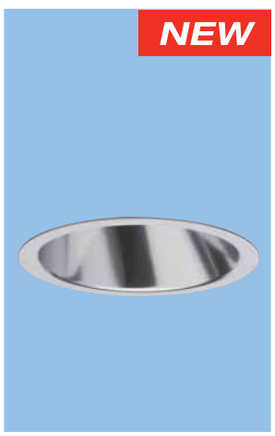
Catalog No.	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
GQT	14-5/8 (37.1)	17-7/16 (44.3)	19-11/16 (50.0)	6-1/4 (15.9)	6-7/8 (17.5)	7-5/8 (19.4)

NOTES:
1 Recommended for use with frosted lamp.
2 Not available with finishes.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.







www.gothamlighting.com, keyword: GQT

Round Lens

LG/LGZ

Vertical or Horizontal Lamp

Intended Use

For downlight applications such as offices, corridors, lobbies, retail and reception areas requiring enclosed optics.

Optical System
White-painted upper reflector.

Door
Regressed white door (RW) or stepped black baffle (SB) are available. Door is retained by two self-aligning, torsion support springs.

Lens
Available with tempered prismatic lens (T73), flat Fresnel lens (FFL) or flat opal lens (FOL).

Electrical System
Lampholder housing designed for effective heat dissipation. Thermally activated insulation detector.

Medium-base porcelain socket with nickel-plated screw shell.

Mounting
16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

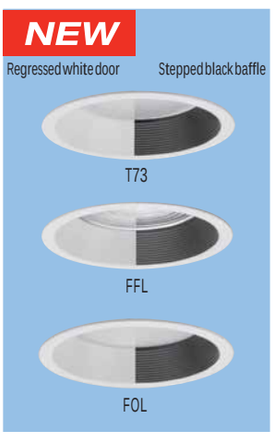
Example: **LG 6RW T73**

Series	Aperture[1]	Door frame	Lens type	Options/accessories
LG Vertical	**6**	**RW** Regressed white door	**T73** Tempered prismatic lens	See pages 266-271.
LGZ Horizontal	**8**	**SB** Stepped black baffle	**FFL** Flat Fresnel lens	
	10		**FOL** Flat opal lens	

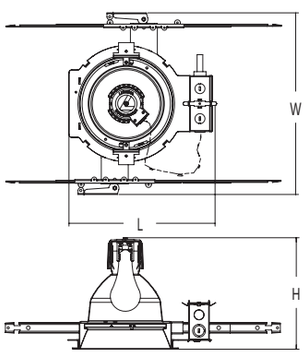
Catalog No.	Max. wattage/ lamp	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
LG 6	150W A21	9-5/8 (24.4)	13-7/8 (35.2)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
LG 8	200W A23	10-1/4 (26.0)			7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
LG 10	300W PS25	14-1/4 (36.2)		17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	10-7/8 (27.6)
LGZ 6	100W A17/A19	6-3/4 (17.1)		15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
LGZ 8	150W A21	7-7/8 (20.1)			7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
LGZ 10	200W A23	8-5/8 (21.9)		17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	10-7/8 (27.6)

NOTES:
1 Refer to chart for maximum wattage availability.

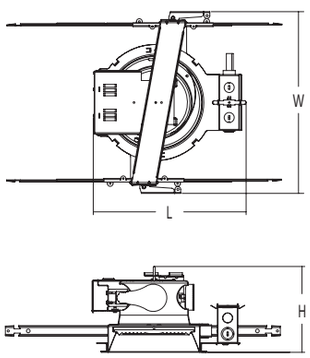
Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.



LG - Vertical Lamp



LGZ - Horizontal Lamp



www.gothamlighting.com, keywords: LG and LGZ

LA

Horizontal Lamp

Intended Use

Provides uniform general illumination for institutional, office, commercial and retail areas.

Optical System
Semi-specular anodized aluminum upper reflector.

Door
Die-cast aluminum door frame with gasketed flange. Regressed white door (RW), stepped black baffle (SB), stepped white baffle (SW) or flush white door (FW) are available. White painted flange.

Lens
Available with tempered prismatic lens (T73), semi-flush lens (SFL), drop opal lens (DOL), flat Fresnel lens (FFL), flat Holphane lens (FHL) or drop Holophane lens (DHL).

Electrical System
Thermally activated insulation detector. Medium-base porcelain socket with nickel-plated screw shell.

Mounting
16-gauge galvanized steel thru-wire junction box with bottom-hinged access covers and spring latches. Telescoping mounting bracket with integral nailer tabs. Expandable mounting bars provide horizontal and vertical adjustment.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **LA 11RW T73**

Series
LA

Aperture/door frame[1]
- **11RW** Regressed white door
- **12SB** Stepped black baffle
- **12SW** Stepped white baffle
- **12FW** Flush white door

Lens type

11"
- **T73** Tempered prismatic lens
- **DOL** Drop opal lens
- **SFL** Semi-flush lens

12"
- **T73** Tempered prismatic lens
- **FFL** Flat Fresnel lens
- **FHL** Flat Holophane lens
- **DHL** Drop Holophane lens

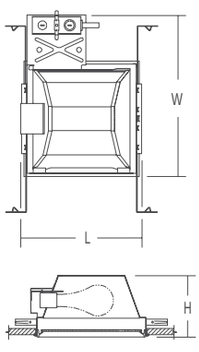
Options/accessories
See pages 266-271.

Catalog No.	Max. wattage/ lamp	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
LA 11	200W A23	6 (15.2)	12-1/16 (30.6)	16-11/16 (42.4)	10-5/8 (27.0)	11-1/4 (28.6)	11-5/8 (29.5)
LA 12	200W A23	7-3/4 (19.7)	12-5/8 (32.1)	17-3/16 (43.7)	10-7/8 (27.6)	12-1/4 (31.3)	12-5/8 (32.1)

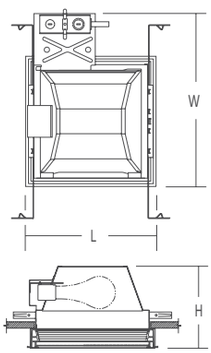
NOTES:
1 Refer to chart for maximum wattage availability.

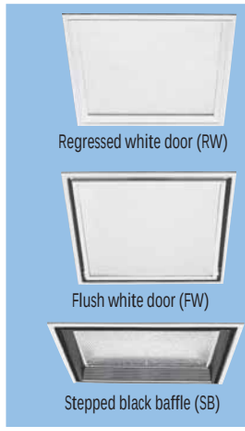
Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.

LA 11"



LA 12"





Regressed white door (RW)

Flush white door (FW)

Stepped black baffle (SB)

www.gothamlighting.com, keyword: LA

Directional

DP

Adjustable Lamp

PAR

Intended Use

Suitable for offices, restaurant, showrooms, museums, retail and reception areas where directional accent lighting is desired.

Optical System

Self-flanged, semi-specular, matte-diffuse or specular cone designed to minimize backflash. Contour cut minimizes visibility of inner housing. Center Beam optical system centers lamp relative to the aperture, optimizing lamp efficiency. Optical system retained by two self-aligning, torsion support springs. Relamping capability from above or below ceiling.

Adjustment Mechanism

Tool-less 0°- 40° vertical and 360° horizontal adjustment. Hot lamp aiming capability. Lockable adjustment mechanisms maintain lamp position and are visible from below the ceiling with optical system removed.

Electrical System

Thermally activated insulation detector. Medium-base porcelain socket with nickel-plated screw shell.

Mounting

Rolled steel housing with matte black finish and plaster flange. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system for precise ceiling-to-flange alignment. Tool-less access door to thru-wire junction box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **DP PAR16-30S 6ACT30**

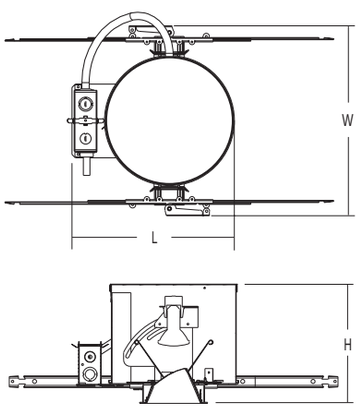
Series	Lamp type	Aperture[1]	Trim color	Type	Finish	Options/accessories
DP	**PAR16-30S** PAR16, PAR20 or PAR30S (short-neck) (75W max.) **PAR30L-38** PAR30L (longneck) or PAR38 (250W max.) **PAR46** PAR46 (200W max.) **PAR56** PAR56 (300W max.)	**4** **6** **8**	**AC** Clear **PC** Pewter **UBC** Umber **WTC** Wheat **CC** Champagne gold **GC** Gold **BC** Black[2] **WC** White painted[2] **MB** Black baffle[2] **WB** White baffle[2]	**T00** Cut for angles 0°-15° **T20** Cut for angles 15°-25° **T30** Cut for angles 25°-40°	(blank) Semi-specular **LD** Matte-diffuse **LS** Specular	See pages 266-271.

Catalog No.	Lamp type	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
DP 4	PAR 16-30S	9-1/2 (24.1)	13 (33.0)	15-1/8 (38.4)	4-3/8 (11.1)	5-1/16 (12.9)	5-7/16 (13.8)
DP 6	PAR 16-30S	10-1/2 (26.7)	17-3/8 (44.1)	19-3/4 (50.2)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
	PAR30L-38	12-1/8 (30.8)					
DP 8	PAR16-30S	10-1/2 (26.7)	17-3/8 (44.1)	19-3/4 (50.2)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
	PAR30L-38 PAR46 PAR56	12-1/8 (30.8)					

NOTES
1 Refer to chart for lamp type availability.
2 Not available with finishes.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: DP

DLW

Adjustable Lamp

PAR

Intended Use

Suitable for wallwash applications such as museums, offices, retail areas, showrooms, lobbies and restaurants.

Optical System

Self-flanged, semi-specular, matte-diffuse or specular compound contour finishing trim in combination with keyed, proprietary Gotham® spread lens delivers a uniform distribution of light to the wall. Enclosed lamp compartment reduces stray light in the plenum.

Relamping capability from above or below ceiling without the use of tools.

Electrical System

Thermally activated insulation detector. Medium-base porcelain socket with nickel-plated screw shell.

Mounting

Rolled steel housing with matte black finish and plaster flange will accommodate up to 1-1/2" thick ceiling. Tool-less access door provides access to thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system for precise ceiling-to-flange adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

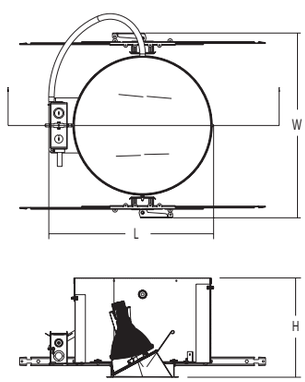
Example: **DLW 6AR**

Series	Aperture[1]	Trim color	Finish	Options/accessories
DLW	**6**	**AR** Clear	(blank) Semi-specular	See pages 266-271.
	8	**PR** Pewter	**LD** Matte-diffuse	
		UBR Umber	**LS** Specular	
		WTR Wheat		
		CR Champagne gold		
		GR Gold		
		BR Black[2]		
		WR White painted[2]		

Catalog No.	Max. wattage/ lamp	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
DLW 6	250W PAR38	10-1/2 (26.7)	17-3/8 (44.1)	19-3/4 (50.2)	6-1/4 (15.9)	6-7/8 (17.5)	7-5/8 (19.4)
DLW 8	250W PAR38	10-1/2 (26.7)	17-3/8 (44.1)	19-3/4 (50.2)	7-7/8 (20.1)	8-7/8 (22.5)	9-3/8 (23.8)

NOTE:
1. Refer to chart for maximum wattage availability.
2. Not available with finishes.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: DLW

Downlight

DLV

Vertical Lamp

Intended Use

Suitable for offices, reception areas, restaurants, showrooms, museums, and retail locations where accent lighting is desired.

Optical System

Internal housing components painted matte black. Lamp snoot minimizes stray light in housing. Optical design maximizes light output while minimizing high-angle brightness. Lamp is visible before reflected lamp image. Optical system (seamless white cast faceplate in 1", 2", and 3") retained by two self-aligning torsion support springs. Accommodates up to two lenses. Safety lens standard with required lamp type. Relamping capability from above and below ceiling.

Electrical System

Tool-less replaceable socket assembly. Tool-less removal of electromagnetic step-down transformer and thermally activated insulation detector. In-line fusing standard.

Mounting

Rolled steel housing with matte black finish and plaster flange. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system for precise ceiling-to-flange alignment. Thru-wire junction box with bottom-hinged access covers and spring latches.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

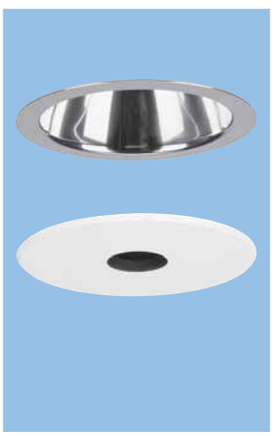
Example: **DLV DWN MR16 4AC 120**

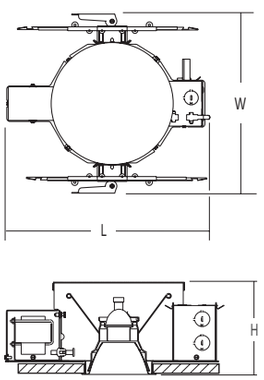
Series	Configuration	Lamp type	Aperture[1]	Trim color/type	Finish	Voltage	Options/accessories
DLV	**DWN**	**MR16**	**1**[2]	**AC** Clear[3]	(blank) Semi-specular	**120**	See pages 266-271.
		MR11	**2**	**PC** Pewter[3]	**LD** Matte-diffuse	**277**	
		ALR12	**3**	**UBC** Umber[3]	**LS** Specular	**347**	
		ALR18	**4**	**WTC** Wheat[3]			
		AR70		**CC** Champagne gold[3]			
				GC Gold[3]			
				B Black[4,5]			
				BC Black cone[3,5]			
				WC White painted[5,6]			
				MB Black baffle[3,5]			
				WB White baffle[5,6]			
				P Pinhole[5,7]			

Catalog No.	Lamp type (Max. 75W)	Aperture	Height (H)	Length (L)	Width (W)	Ceiling opening	Overlap trim
DLV DWN 1P	MR16, MR11, ALR12	1 (2.5)	6-3/4 (17.1)	16-1/8 (41.0)	13-3/4 (34.9)	4-7/8 (12.4)	5-1/2 (14.0)
DLV DWN 2B		2 (5.1)					
DLV DWN 3AC	MR16, MR11, ALR12	3 (7.6)					
DLV DWN 4AC	ALR18, ALR70	4-1/4 (10.8)					

NOTES:
1. Refer to chart for lamp type availability.
2. Available with Pinhole (P) trim type only.
3. Available in 3" and 4" aperture only.
4. Available with 2" aperture only.
5. Not available with finishes.
6. Available in 4" aperture only.
7. Available in 1" aperture only.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: DLV DWN

DLV

Adjustable Lamp

Intended Use

Suitable for offices, reception areas, restaurants, showrooms, museums, retail areas and residences where wallwash accent lighting is desired.

Optical System

Internal housing components painted matte black. Lamp snoot minimizes stray light in housing. Self-flanged, semi-specular, matte-diffuse or specular cone with spread lens. No backflash on room side. Optical system (seamless white cast faceplate in 3" aperture) retained by two self-aligning torsion support springs. Accommodates up to two lenses. Safety lens standard with required lamp type. Relamping capability from above or below ceiling.

Adjustment Mechanism

Tool-less 360° horizontal lamp adjustment is made with optical system lowered below ceiling. Adjustment mechanism locks to maintain lamp position during relamping.

Electrical System

Tool-less replaceable socket assembly. Tool-less removal of electromagnetic step-down transformer and thermally activated insulation detector. In-line fusing standard.

Mounting

Rolled steel housing with matte black finish and plaster flange. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system for precise ceiling-to-flange alignment. Thru-wire junction box with bottom-hinged access covers and spring latches.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

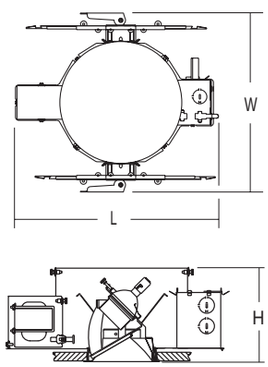
Example: **DLV WSH MR16 4AC 120**

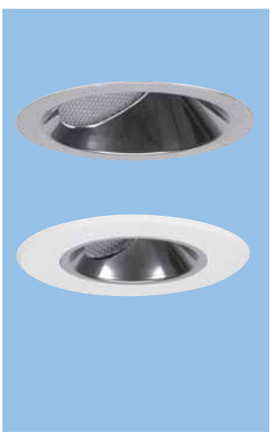
Series	Configuration	Lamp type	Aperture	Trim color	Finish	Voltage	Options/accessories
DLV	**WSH**	**MR16** **MR11** **ALR12** **ALR18** **AR70**	**3** **4**	**AC** Clear **PC** Pewter **UBC** Umber **WTC** Wheat **CC** Champagne gold **GC** Gold **BC** Black[1] **WC** White painted[1,2]	(blank) Semi-specular **LD** Matte-diffuse **LS** Specular	**120** **277** **347**	See pages 266-271.

Catalog No.	Lamp type (Max. 75W)	Aperture	Height (H)	Length (L)	Width (W)	Ceiling opening	Overlap trim
DLV WSH 3	MR16, MR11, ALR12, ARL18, AR70	3 (7.6)	6-3/4 (17.1)	16-1/8 (41.0)	13-3/4 (34.9)	4-7/8 (12.4)	5-1/2 (14.0)
DLV WSH 4		4-1/4 (10.8)					

NOTES:
1 Not available with finishes.
2 Available in 4" aperture only.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: DLV WSH

Directional

DLV

Adjustable Lamp

Intended Use

Suitable for offices, reception areas, restaurants, showrooms, museums, and retail locations where accent lighting is desired.

Optical System

Internal housing components painted matte black. Lamp snoot minimizes stray light in housing. Lamp positioned for maximum output. Cone or chamfered aperture designed to minimize backflash. Optical system (seamless white cast faceplate in 1", 2" and 3") retained by two self-aligning torsion support springs. Accommodates up to two lenses. Safety lens standard with required lamp type. Relamping capability from above or below ceiling.

Adjustment Mechanism

0°-45° vertical and 360° horizontal adjustment. Tool-less adjustment is made with optical system lowered below ceiling for simple focusing.

Electrical System

Tool-less replaceable socket assembly. Tool-less removal of electromagnetic step-down transformer and thermally activated insulation detector. In-line fusing standard.

Mounting

Rolled steel housing with matte black finish and plaster flange. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system for precise ceiling-to-flange alignment. Thru-wire junction box with bottom-hinged access covers and spring latches.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

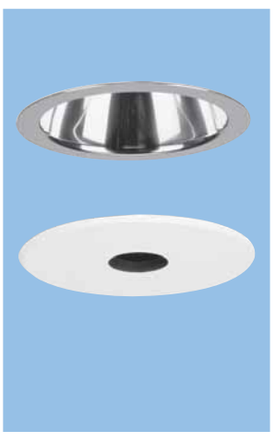
Example: **DLV ADJ MR16 4ACT30 120**

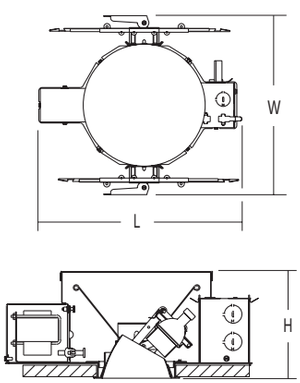
Series	Configuration	Lamp type	Aperture[1]	Trim color/type	Taper	Finish	Voltage	Options/accessories
DLV	**ADJ**	**MR16** **MR11** **ALR12** **ALR18** **AR70**	**1**[2] **2** **3** **4**	**AC** Clear **PC** Pewter **UBC** Umber **WTC** Wheat **CC** Champagne gold **GC** Gold **BC** Black[3] **WC** White painted[3,4] **MB** Black baffle[3,5] **WB** White baffle[3,4] **P** Pinhole[3,6] **S** Slotted[3,7]	**T** Tapered cut cone[8,9] **T00** Straight cut, for angles 0°-15°[5] **T20** Tapered cut, for angles 15°-25°[5] **T30** Tapered cut, for angles 25°-45°[5]	(blank) Semi-specular **LD** Matte-diffuse **LS** Specular	**120** **277** **347**	See pages 266-271.

Catalog No.	Lamp type (Max. 75W)	Aperture	Height (H)	Width (W)	Length (L)	Ceiling opening	Overlap trim
DLV ADJ 1P	MR16, MR11, ALR12	1 (2.5)	6-3/4 (17.1)	13-3/4 (34.9)	16-1/8 (41.0)	4-7/8 (12.4)	5-1/2 (14.0)
DLV ADJ 1S		1 (2.5) x 2-1/4 (5.7)					
DLV ADJ 2		2 (5.1)					
DLV ADJ 2S		2-1/16 (5.2) x 2-13/16 (7.1)					
DLV ADJ 3	MR16, MR11, ALR12	3 (7.6)					
DLV ADJ 4	ALR18, ALR70	4-3/4 (12.0)					

NOTES:
1. See chart for lamp type availability.
2. Available with Pinhole (P) or Slotted (S) trim type only.
3. Not available with finishes.
4. Available in 4" aperture only.
5. Available in 3" and 4" aperture only.
6. Available in 1" aperture only.
7. Available in 1" and 2" apertures only.
8. Available in 2" aperture only.
9. Not available with WC, MB, or WB.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: DLV ADJ

DLV

Adjustable Lamp

Intended Use

Suitable for offices, reception areas, restaurants, showrooms, museums, and retail locations where accent lighting is desired.

Optical System

Self-flanged, semi-specular, matte-diffuse or specular cone designed to minimize backflash. Contour cut minimizes visibility of inner housing. Center Beam optical system centers lamp relative to the aperture, optimizing lamp efficiency. Optical system retained by two self-aligning torsion support springs. Relamping capability from above or below ceiling. Safety lens standard with required lamp type.

Adjustment Mechanism

Tool-less 0°- 40° vertical and 360° horizontal adjustment. Hot lamp aiming capability. Lockable adjustment mechanisms maintain lamp position and are visible from below the ceiling with optical system removed.

Electrical System

Tool-less replaceable socket assembly. Tool-less removal of electromagentic step-down transformer and thermally activated insulation detector. In-line fusing standard.

Mounting

Rolled steel housing with matte black finish and plaster flange. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system for precise ceiling-to-flange alignment. Tool-less access door to thru-wire junction box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

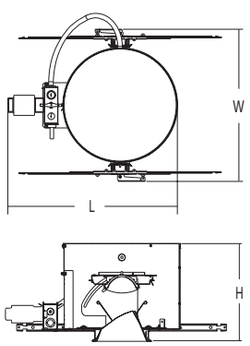
Example: **DLV MR16 6ACT00 120**

Series	Lamp type	Aperture[2]	Trim color/type	Taper	Finish	Voltage	Options/accessories
DLV	**AR70** **AR111** **MR16** **PAR36** **PAR56**[1]	**6** **8**	**AC** Clear **PC** Pewter **UBC** Umber **WTC** Wheat **CC** Champagne gold **GC** Gold **BC** Black[3] **WC** White painted[3] **MB** Black baffle[3] **WB** White baffle[3]	**T00** Straight cut, for angles 0°-15° **T20** Tapered cut, for angles 15°-25° **T30** Tapered cut, for angles 25°-45°	(blank) Semi-specular **LD** Matte-diffuse **LS** Specular	**120** **277** **347**	See pages 266-271.

Catalog No.	Lamp type	Max. Wattage	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
DLV 6	AR70, AR111, MR16, PAR36	100	12-1/8 (30.8)	22 (55.9)	19-3/4 (50.2)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
DLV 8	AR70, AR111, MR16, PAR36, PAR56	240	12-1/8 (30.8)	22 (55.9)	19-3/4 (50.2)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.1)

NOTES:
1. Available in 120V only.
2. See chart for lamp type availability.
3. Not available with finishes.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: DLV

Downlight

APRLV

Vertical Lamp

PAR 36 or AR111

Intended Use

Suitable for offices, reception areas, restaurants, showrooms, museums and retail locations where accent lighting is desired.

Optical System

Self-flanged, semi-specular, matte-diffuse or specular reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from top of reflector to bottom. Patent-pending integrated snoot and optical system minimizes lamp striations normally associated with PAR lamps and creates visually pleasing scallops on vertical surfaces.

Electrical System

Die-cast aluminum lampholder housing. Electromagnetic step-down transformer is mounted to junction box cover. Thermally-activated insulation detector. In-line fusing standard. Lampholder optimally positions either a PAR36 or AR111 lamp. Safety glass is included for AR111.

Mounting

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke and flat spring utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

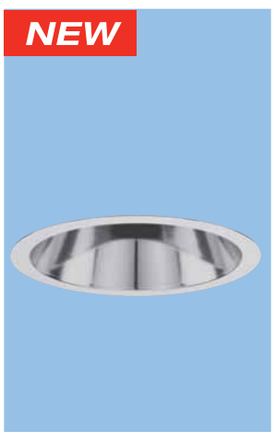
Example: **APRLV AR111 6AR 120**

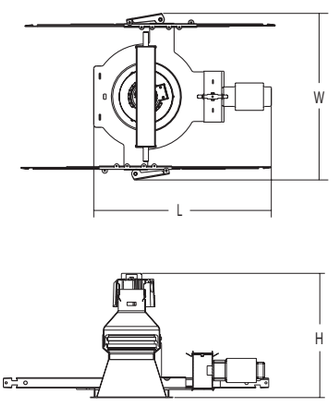
Series	Lamp designation	Aperture	Trim color	Finish	Voltage	Options/accessories
APRLV	**AR111** 100W max. **PAR36** 75W max.	**6**	**AR** Clear **BR** Black[1] **PR** Pewter **UBR** Umber **WTR** Wheat **CR** Champagne gold **GR** Gold	(blank) Semi-specular **LD** Matte-diffuse **LS** Specular	**120** **277** **347**[2]	See pages 266-271.

Catalog No.	Max. wattage/ lamp	Height (H)	Length (L)	Width (W)	Aperture	Ceiling opening	Overlap trim
APRLV	100W AR111 75W PAR36	11-1/4 (28.6)	16-1/4 (41.3)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)

Notes:
1 Not available with finishes.
2 75W maximum.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: APRLV

Elevations™ High performance pendant downlighting



Decorative Downlight Pendant

PDPF

Horizontal Lamp

Candéo®
Triple-Tube (TRT)

Intended Use

Decorative luminaire designed to accentuate the space, adding visual interest.

Decorative Housing
Durable, heavy gauge aluminum housing. Textured polyester powder paint finish available in Matte black or Satin silver. The housing is available in short or tall configurations to allow for a variety of ceiling height applications.

Decorative Elements
Four configurations allow customization suitable in any space: No ring (no decorative element); Soft ring (subtle, formed aluminum bond polyester paint - black); Stacked rings (four injection-molded black acrylic rings); Gear (precision formed from solid aluminum - polyester powder paint - black).

Optical System
Candéo® self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing. Hinged lamp door seals upper trim for optimal fixure efficiency. Inner reflector is field adjustable to three settings that place the reflector flush, 3/8" or 3/4" from the bottom edge of the decorative housing.

Electrical System
Horizontally-mounted, four-pin, positive latch thermoplastic sockets. Class P, thermally-protected, high power factor electronic ballast.

Mounting
RC120-black cord is provided for electrical connection of luminaire to surface-mounted canopy (120" standard).

Listings
Fixtures are UL listed for damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **PDPF 2/32TRT 8DW MVOLT TSS RC120**

Series	Wattage/lamp	Reflector/diffuser color	Finish	Voltage	Housing	Color	Decorative elements[2]	Mounting method[2]	Options/accessories
PDPF	**2/32TRT**	**8DW** Snow **8DG** Sea **8DB** Sky **8DT** Tan	(blank) Semi-specular **LD** Matte-diffuse	**120** **277** **347** **MVOLT**[1]	**S** Short **T** Tall	**B** Matte black **S** Satin silver	**NR** No ring **S** Soft ring **C** Stacked rings **G** Gear	**RC120** Cord mount (120" provided) **SM** Surface mount	See pages 253, 266-271.

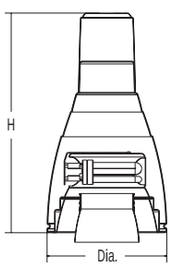
Catalog No.	Height (H) (Short)	Height (H) (Tall)	Aperture	Diameter
PDPF	14-7/8 (37.7)	17-5/8 (44.8)	7-7/8 (20.1)	9-3/8 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.

NOTES:
1 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.
2 Refer to page 253 for decorative and mounting options.

NEW





www.gothamlighting.com, keyword: PDPF Candeo

PDPF

Horizontal Lamp

ICE™
Triple-Tube (TRT)

Intended Use

Decorative luminaire designed to accentuate the space, adding visual interest.

Decorative Housing

Durable, heavy gauge aluminum housing. Textured polyester powder paint finish available in Matte black or Satin silver. The housing is available in short or tall configurations to allow for a variety of ceiling height applications.

Decorative Elements

Four configurations allow customization suitable in any space: No ring (no decorative element); Soft ring (subtle, formed aluminum bond polyester paint - black); Stacked rings (four injection-molded black acrylic rings); Gear (precision formed from solid aluminum - polyester powder paint - black).

Optical System

ICE™ self-flanged, matte-diffuse reflector. Fluted vertical upper section works in conjunction with Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing. Hinged lamp door seals upper trim for optimal fixture efficiency.

Cross Baffle

Acrylic cross baffle with surface that provides a decorative edge-glow appearance. Available in three distinctive styles - flush, round and angular.

ICE™ Color Cross Baffle

Red, blue, amber or white acrylic cross baffle, jacketed with aluminum (U.S. Patent No. 6,273,592) provides a vibrant edge-glow color appearance. Available in flush or round baffle styles.

Turbo Baffle

Clear acrylic three-spoke turbo baffle with surface that provides a decorative edge-glow appearance.

Electrical System

Horizontally-mounted, four-pin, positive latch thermoplastic sockets. Class P, thermally-protected, high power factor electronic ballast.

Mounting

RC120-black cord is provided for electrical connection of luminaire to surface-mounted canopy (120" standard).

Listings

Fixtures are UL listed for damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

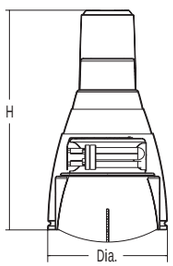
Example: **PDPF 2/32TRT 8T MVOLT TSC RC120**

Series	Wattage/lamp	Reflector/baffle type	Voltage	Housing	Color	Decorative elements[2]	Mounting method[2]	Options/accessories
PDPF	**2/32TRT**	ICE™ **8T** Turbo **8XF** Clear flush **8XR** Clear round **8XA** Clear angular ICE™ Color **8RLRF** Red flush **8RLRR** Red round **8BLRF** Blue flush **8BLRR** Blue round **8ALRF** Amber flush **8ALRR** Amber round **8WLRF** White flush **8WLRR** White round	**120** **277** **347** **MVOLT**[1]	**S** Short **T** Tall	**B** Matte black **S** Satin silver	**NR** No ring **S** Soft ring **C** Stacked rings **G** Gear	**RC120** Cord mount (120" provided) **SM** Surface mount	See pages 253, 266-271.

Catalog No.	Height (H) (Short)	Height (H) (Tall)	Aperture	Diameter
PDPF	14-7/8 (37.7)	17-5/8 (44.8)	7-7/8 (20.1)	9-3/8 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.

NOTES:
1. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.
2. Refer to page 253 for decorative and mounting options.





www.gothamlighting.com, keyword: PDPF ICE

Decorative Downlight Pendant

PDPF

Horizontal or Vertical Lamp

Triple-Tube (TRT)

Intended Use

Decorative luminaire designed to accentuate the space, adding visual interest.

Decorative Housing
Durable, heavy gauge aluminum housing. Textured polyester powder paint finish available in Matte black or Satin silver. The housing is available in short or tall configurations to allow for a variety of ceiling height applications.

Decorative Elements
Four configurations allow customization suitable in any space: No ring (no decorative element); Soft ring (subtle, formed aluminum bond polyester paint - black); Stacked rings (four injection-molded black acrylic rings); Gear (precision formed from solid aluminum - polyester powder paint - black).

Optical System
Self-flanged semi-specular or matte-diffuse reflector. Patented Vertisys® - Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing.

Electrical System
Positive-latch, thermoplastic socket(s). Class P, thermally-protected, high power factor electronic ballast.

Mounting
Surface-mounted canopy attaches directly to J-box and provides hands-free electrical connection. Canopy also serves as ballast compartment.

Listings
Fixtures are UL listed for damp locations. Listed and labeled to comply with Canadian Standards.

Emergency back-up available - test switch integral to ballast housing. RC120-black cord is provided for electrical connection of luminaire to surface-mounted canopy (120" standard). SM - Luminaire is mounted directly to the surface-mounted canopy.

Ordering Information

Example: **PDPF 32TRT 8AR MVOLT TSNR RC120**

Series	Wattage/lamp	Reflector color	Finish	Lens type	Voltage	Housing	Color	Decorative elements[2]	Mounting method[2]	Options/accessories
PDPF	Horizontal **2/32TRT** Vertical **26TRT** **32TRT** **42TRT**	**8AR** Clear **8PR** Pewter **8UBR** Umber **8WTR** Wheat	(blank) Semi-specular **LD** Matte-diffuse	(blank) No lens **CGL** Clear glass lens **T73** Tempered prismatic lens	**120** **277** **347** **MVOLT**[1]	**S** Short **T** Tall	**B** Matte black **S** Satin silver	**NR** No ring **S** Soft ring **C** Stacked rings **G** Gear	**RC120** Cord mount (120" provided) **SM** Surface mount	See pages 253, 266-271.

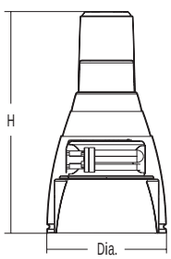
Catalog No.	Height (H) (Short)	Height (H) (Tall)	Aperture	Diameter
PDPF	14-7/8 (37.7)	17-5/8 (44.8)	7-7/8 (20.1)	9-3/8 (23.5)

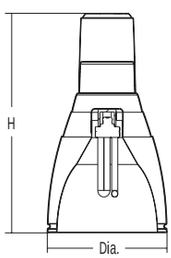
NOTES:
1. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.
2. Refer to page 253 for decorative and mounting options.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.

NEW







www.gothamlighting.com, keyword: PDPF

PDPH

Intended Use

Decorative luminaire designed to accentuate the space, adding visual interest.

Decorative Housing

Durable, heavy gauge aluminum housing. Textured polyester powder paint finish available in Matte black or Satin silver. The housing is available in short or tall configurations to allow for a variety of ceiling height applications.

Decorative Elements

Four configurations allow customization suitable in any space: No ring (clean, simple form - no decorative element); Soft ring (subtle, formed aluminum bond polyester paint - black); Stacked rings (four injection-molded black acrylic rings); Gear (precision formed from solid aluminum - polyester powder paint - black).

Optical System

Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing.

Electrical System

Die-cast aluminum socket housing. Medium-base porcelain socket with nickel-plated screw shell. Electronic HID ballast.

Mounting

Surface-mounted canopy attaches directly to J-box and provides hands-free electrical connection. Canopy also serves as ballast compartment. RC120-black cord is provided for electrical connection of luminaire to surface-mounted canopy (120" standard). SM - Luminaire is mounted directly to the surface-mounted canopy.

Listings

Fixtures are UL listed for damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

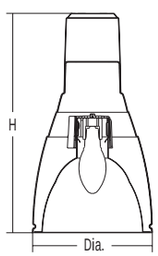
Example: **PDPH 100M 8AR 120 HEB SBG RC120**

Series	Wattage/lamp[1]	Reflector color	Finish	Lens type	Voltage	Ballast	Housing	Color	Decorative elements[2]	Mounting method[2]	Options/accessories
PDPH	Metal Halide **50M** **70M** **100M** **150M** Ceramic Metal Halide **50MHC** **70MHC** **100MHC** **150MHC**	**8AR** Clear **8PR** Pewter **8UBR** Umber **8WTR** Wheat	(blank) Semi-specular **LD** Matte-diffuse	(blank) No lens **CGL** Clear glass lens **T73** Tempered prismatic lens	**120** **277**	**HEB** Electronic ballast	**S** Short **T** Tall	**B** Matte black **S** Satin silver	**NR** No ring **S** Soft ring **C** Stacked rings **G** Gear	**RC120** Cord mount (120" provided) **SM** Surface mount	See pages 253, 266-271.

Catalog No.	Height (H) (Short)	Height (H) (Tall)	Aperture	Diameter
PDPH	14-7/8 (37.7)	17-5/8 (44.8)	7-7/8 (20.1)	9-3/8 (23.5)

NOTES:
1 Recommended for use with coated lamps.
2 Refer to page 253 for decorative and mounting options.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: PDPH

Decorative Downlight Pendant

PDPA

A21, A23 or PS25 Lamp

Intended Use

Decorative luminaire designed to accentuate the space, adding visual interest.

Decorative Housing

Durable, heavy gauge aluminum housing. Textured polyester powder paint finish available in Matte black or Satin silver. The housing is available in short or tall configurations to allow for a variety of ceiling height applications.

Decorative Elements

Four configurations allow customization suitable in any space: No ring (clean, simple form - no decorative element); Soft ring (subtle, formed aluminum bond polyester paint - black); Stacked rings (four injection-molded black acrylic rings); Gear (precision formed from solid aluminum - polyester powder paint - black).

Optical System

Self-flanged, semi-specular, matte-diffuse or specular reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing.

Electrical System

Die-cast aluminum socket housing. Medium-base porcelain socket with nickel-plated screw shell.

Mounting

Surface-mounted canopy attaches directly to J-box and provides hands-free electrical connection.

RC120 – black cord is provided for electrical connection of luminaire to surface-mounted canopy (120" standard). SM – luminaire is mounted directly to the surface-mounted canopy.

Listings

Fixtures are UL listed for damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **PDPA 8AR SSS RC120**

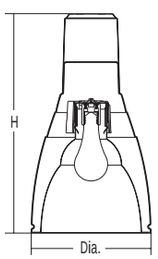
Series	Reflector/color	Finish	Lens type[1]	Housing	Color	Decorative elements[2]	Mounting method[2]	Options/accessories
PDPA	**8AR** Clear **8PR** Pewter **8UBR** Umber **8WTR** Wheat **8CR** Champagne gold **8GR** Gold	(blank) Semi-specular **LD** Matte-diffuse **LS** Specular	(blank) No lens **CGL** Clear glass lens **T73** Tempered prismatic lens	**S** Short **T** Tall	**B** Matte black **S** Satin silver	**NR** No ring **S** Soft ring **C** Stacked rings **G** Gear	**RC120** Cord mount (120" provided) **SM** Surface mount	See pages 253, 266-271.

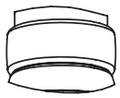
Catalog No.	Max. wattage lamp	Height (H) (Short)	Height (H) (Tall)	Aperture	Overall Diameter
PDPA	300W PS25	14-7/8 (37.7)	17-5/8 (44.8)	7-7/8 (20.1)	9-3/8 (23.5)

NOTES:
1. Maximum lamp wattage for lensed units is 200W.
2. Refer to page 253 for decorative and mounting options.

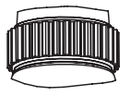
Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.







S - Soft ring



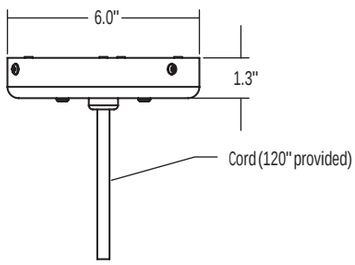
G - Gear



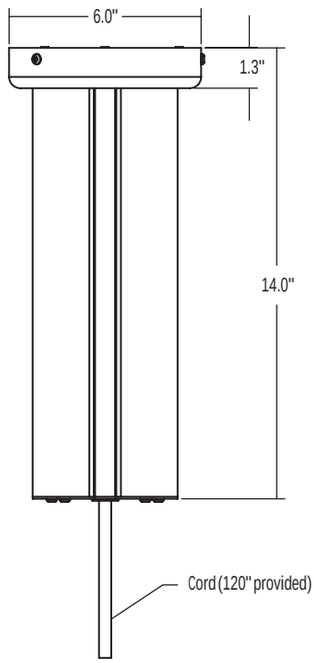
C - Stacked rings

Cord mount (120" provided)

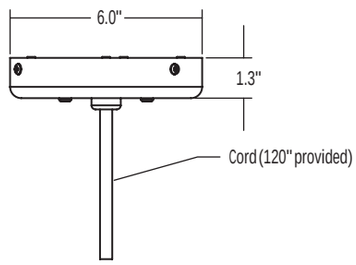
PDPA/PDPF-Candéo®, ICE™
Mounting canopy attaches directly to J-Box
RC120



PDPH/PDPF EL
Mounting canopy attaches directly to J-Box
RC120

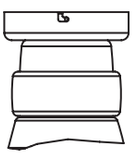


PDPF - Vertical
Mounting canopy attaches directly to J-Box
RC120

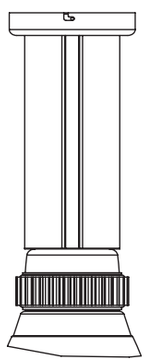


Surface Mount

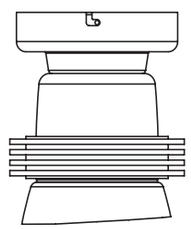
PDPA/PDPF-Candéo®, ICE™
Mounting canopy attaches directly to J-Box
SM



PDPH/PDPF EL
Mounting canopy attaches directly to J-Box
SM



PDPF - Vertical
Mounting canopy attaches directly to J-Box
SM



Drawings are for dimensional detail only and may not represent actual mechanical configuration.

Open Cylinders

CFV

Vertical Lamp

Double Twin-Tube (DTT)
Triple-Tube (TRT)

Intended Use

Provides general illumination with superior brightness control. Lamp and aperture combinations allow for use in atriums, corridors, restrooms, retail areas, public areas and transit areas.

Optical System

Self-flanged, semi-specular or matte-diffuse reflector. Patented Vertisys® - Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, lamp image that reflects smoothly from the top of the reflector to the aperture, and optimal fixture performance and efficiency.

Housing

Heavy-gauge aluminum housing with top deck for clean appearance. Reflector edge seats flush with cylinder wall for clean, one-piece appearance.

Electrical System

Vertically-mounted, positive-latch, thermoplastic socket. Class P, thermally-protected, high power factor ballast.

Mounting

Ceiling mount (standard) offers patented quick-mount attachment plate for direct installation (U.S. Patent No. 4,300,190). Wall mount or pendant mount available.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **CFV9 26TRT 8AR 120 DWHG**

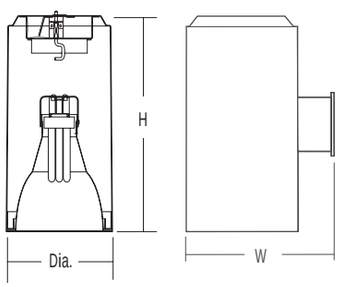
Series[1]	Wattage/lamp	Aperture	Trim color	Finish	Voltage	Options/accessories	Color
CFV8[2]	**13DTT**	**6**	**AR** Clear	(blank) Semi-specular	**120**	See pages 266-271.	**DWHG** Matte white (standard)
CFV9[3]	**18DTT**	**8**	**PR** Pewter	**LD** Matte-diffuse	**277**		**DDB** Dark bronze
	26DTT		**UBR** Umber		**347**		**DBL** Black
	18TRT		**WTR** Wheat		**MVOLT**[4]		**DNA** Natural aluminum
	26TRT						**DWH** Gloss white
	32TRT						**DTG** Tennis green
	42TRT						**DGC** Charcoal grey
							DSS Sandstone

Catalog No.	Aperture	Diameter	Height (H)	Wall mount width (W)
CFV8	6 (15.2)	7-5/8 (19.4)	15-1/2 (39.4)	10-7/8 (27.6)
CFV9	8 (20.3)	9-3/8 (23.8)	16 (40.6)	12-5/8 (32.1)

NOTES:
1. Matte white finish (DWHG) standard.
2. Available in 6" aperture only.
3. Available in 8" aperture only.
4. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: CFV

CFVL

Vertical Lamp

Double Twin-Tube (DTT)
Triple-Tube (TRT)

Intended Use

Provides general illumination for school, retail and transit areas. Lens options provide a variety of distributions.

Optical System
White painted upper reflector.

Door
Regressed door (RW) or stepped black baffle (SB) are available. Door is retained by two self-aligning, torsion support springs.

Lens
Available with tempered prismatic lens (T73), flat Fresnel lens (FFL) or flat opal lens (FOL).

Housing
Heavy-gauge aluminum housing with top deck for clean appearance. Reflector edge seats flush with cylinder wall for clean, one-piece appearance.

Electrical System
Vertically-mounted, four-pin positive-latch thermoplastic socket. Class P, thermally-protected, high power factor electronic ballast.

Mounting
Ceiling mount (standard) offers patented, quick-mount attachment plate for direct installation (U.S. Patent No. 4,300,190). Wall mount or pendant mount available.

Listings
Fixtures are UL Listed for wet locations. Wall and pendant mounted options are UL Listed for non-covered ceiling installations. Listed and labeled to comply with Canadian Standards.

Ordering Information

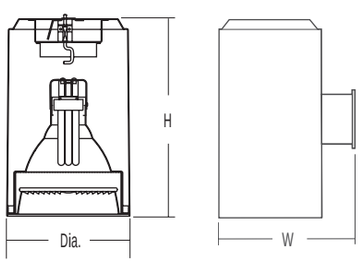
Example: **CFVL9 26TRT 8RW T73 120 DWHG**

Series[1]	Wattage/lamp	Aperture	Door frame	Lens type	Voltage	Options/accessories	Color
CFVL8[2]	**26DTT**[4]	**6**	**RW** Regressed door	**T73** Tempered prismatic lens	**120**	See pages 266-271.	**DWHG** Matte white (standard)
CFVL9[3]	**18TRT**	**8**	**SB** Stepped black baffle	**FFL** Flat Fresnel lens	**277**		**DDB** Dark bronze
	26TRT			**FOL** Flat opal lens	**347**		**DBL** Black
	32TRT				**MVOLT**[5]		**DNA** Natural aluminum
	42TRT						**DWH** Gloss white
							DTG Tennis green
							DGC Charcoal grey
							DSS Sandstone

Catalog No.	Aperture	Diameter	Height (H)	Wall mount width (W)
CFVL8	6 (15.2)	7-5/8 (19.4)	15-1/2 (39.4)	10-7/8 (27.6)
CFVL9	8 (20.3)	9-3/8 (23.8)	16 (40.6)	12-5/8 (32.1)

NOTES:
1. Matte white finish (DWHG) standard.
2. Available in 6" aperture only.
3. Available in 8" aperture only.
4. Requires four-pin lamp, ships as a TRT fixture.
5. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: CFVL

Open Cylinders

CF

Horizontal Lamp

Double Twin-Tube (DTT)
Triple-Tube (TRT)

Intended Use

Provides general illumination with superior brightness control. Lamp and aperture combinations allow for use in atriums, corridors, restrooms, retail areas, public areas and transit areas.

Optical System

Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image, and smooth transition from top of reflector to bottom.

Housing

Aluminum housing with integral bottom deck for clean appearance. Reveal on standard ceiling and optional pendant mount give floating luminaire appearance.

Electrical System

Horizontally-mounted, positive-latch, thermoplastic socket(s). Class P, thermally protected, high power factor ballast(s).

Mounting

Ceiling mount (standard), wall mount or pendant mount available.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **CF11 2/26TRT 10AR 120 DWHG**

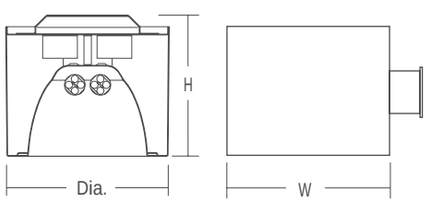
Series[1]	No. of lamps	Wattage/lamp	Aperture[6]	Trim color	Finish	Voltage	Options/accessories	Color
CF10[2]	**1**	**13DTT**	**6**	**AR** Clear	(blank) Semi-specular	**120**	See pages 266-271.	**DWHG** Matte white (standard)
CF11[3]	**2**	**18DTT**	**8**	**PR** Pewter	**LD** Matte-diffuse	**277**		**DDB** Dark bronze
	3[4]	**26DTT**	**10**	**UBR** Umber		**347**		**DBL** Black
		18TRT		**WTR** Wheat		**MVOLT**[7]		**DNA** Natural aluminum
		26TRT						**DWH** Gloss white
		32TRT						**DTG** Tennis green
		42TRT						**DGC** Charcoal grey
		57TRT[5]						**DSS** Sandstone

Catalog No.	Aperture	No. of lamps/ lamp type	Diameter	Height (H)	Wall mount width (W)
CF10	6 (15.2)	1 or 2 DTT/1 TRT	9-3/4 (24.8)	9-5/8 (24.4)	13 (33.0)
CF11	8 (20.3)	1 or 2 DTT/1 TRT	10-3/4 (27.3)	10-5/8 (27.0)	14 (35.6)
CF11	10 (25.4)	1, 2 or 3 DTT/1 or 2 TRT	11-5/16 (28.7)	10-1/4 (26.0)	14-9/16 (37.0)

NOTES:
1. Matte white finish (DWHG) standard.
2. Available in 6" aperture only.
3. Available in 8" or 10" aperture only.
4. Available in 10" aperture DTT lamps only.
5. Available in single lamp 10" aperture only.
6. Refer to chart for number of lamps and lamp type availability.
7. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: CF

CFZ

Horizontal Lamp

Double Twin-Tube (DTT)

Intended Use

Provides general illumination for low to mid height ceilings. Use in corridors, restrooms, retail areas or offices. Cross baffle controls brightness and complements parabolic luminaires.

Optical System
Specular clear upper reflector. Self-flanged, semi-specular or matte-diffuse cross baffle. Optical system optimally balances brightness control and high efficiency. Lamp is visible before reflected lamp image.

Housing
Aluminum housing with integral bottom deck for clean appearance. Reveal on standard ceiling and optional pendant mount give floating luminaire appearance.

Electrical System
Horizontally-mounted, positive-latch, thermoplastic sockets. Class P, thermally-protected, high power factor ballast(s).

Mounting
Ceiling mount (standard), wall mount or pendant mount available.

Listings
Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **CFZ11 2/26DTT 84A 120 DWHG**

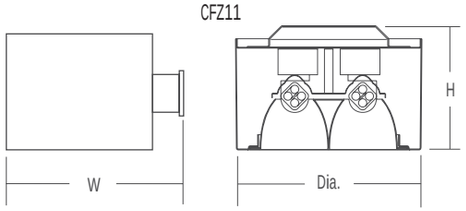
Series[1]	Wattage/lamp	Aperture/trim color	Finish	Voltage	Options/accessories	Color
CFZ11	**2/13DTT**	**84A** Clear	(blank) Semi-specular	**120**	See pages 266-271.	**DWHG** Matte white (standard)
CFZ12[2]	**2/18DTT**	**84P** Pewter	**LD** Matte-diffuse	**277**		**DDB** Dark bronze
	2/26DTT	**84UB** Umber		**347**		**DBL** Black
		84WT Wheat		**MVOLT**[3]		**DNA** Natural aluminum
						DWH Gloss white
						DTG Tennis green
						DGC Charcoal grey
						DSS Sandstone

Catalog No.	Aperture	Diameter	Height (H)	Wall mount width (W)
CFZ11	8 (20.3)	10-3/4 (27.3)	7-1/4 (18.4)	14 (35.6)
CFZ12	8 (20.3)	12 (30.5)	4-1/2(11.4)	N/A

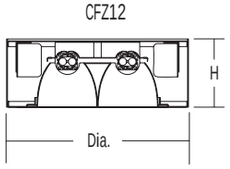
NOTES
1. Matte white finish (DWHG) standard.
2. Available in ceiling mounted units only.
3. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60HZ.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.

CFZ11



CFZ12





www.gothamlighting.com, keyword: CFZ

Lensed, Wet Location Cylinders

CFL

Horizontal Lamp

Double Twin-Tube (DTT)
Triple-Tube (TRT)

Intended Use

Provides general illumination for schools, retail and transit areas. Lens options provide a variety of distributions.

Optical System
White painted upper reflector.

Door
Regressed door (RW) or stepped black baffle (SB) are available. Door is retained by two self-aligning, torsion support springs.

Lens
Available with tempered prismatic lens (T73), flat Fresnel lens (FFL) or flat opal lens (FOL).

Housing
Aluminum housing with integral bottom deck for clean appearance. Reveal on standard ceiling and optional pendant mount give floating luminaire appearance.

Electrical System
Horizontally-mounted, positive-latch thermoplastic socket(s). Class P, thermally-protected, high power factor electronic ballast(s).

Mounting
Ceiling mount (standard), wall mount or pendant mount available.

Listings
Fixtures are UL Listed for wet locations. Wall and pendant mounted options are UL Listed for wet locations in non-covered ceiling installations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **CFL10 1/26TRT 6RW T73 120 DWHG**

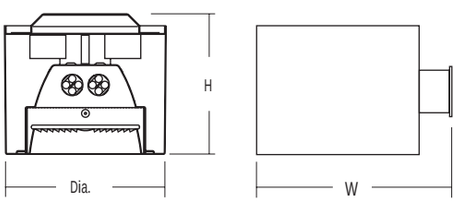
Series[1]	No. of lamps	Wattage/lamp	Aperture	Door frame	Lens type	Voltage	Options/accessories	Color
CFL10[2]	**1**	**26DTT**[4]	**6**	**RW** Regressed door	**T73** Tempered prismatic lens	**120**	See pages 266-271.	**DWHG** Matte white (standard)
CFL11[3]	**2**[3]	**18TRT**	**8**	**SB** Stepped black baffle	**FFL** Flat Fresnel lens	**277**		**DDB** Dark bronze
		26TRT			**FOL** Flat opal lens	**347**		**DBL** Black
		32TRT				**MVOLT**[5]		**DNA** Natural aluminum
		42TRT						**DWH** Gloss white
								DTG Tennis green
								DGC Charcoal grey
								DSS Sandstone

Catalog No.	Aperture	Diameter	Height (H)	Wall mount width (W)
CFL10	6 (15.2)	9-3/4 (24.8)	9-5/8 (24.4)	13 (33.0)
CFL11	8 (20.3)	10-3/4 (27.3)	10-5/8 (27.0)	14 (35.6)

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.

NOTES:
1. Matte white finish (DWHG) standard.
2. Available in 6" aperture only.
3. Available in 8" aperture only.
4. Requires a four-pin lamp, ships as a TRT fixture.
5. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 HZ.





www.gothamlighting.com, keyword: CFL

C

Vertical Lamp

Intended Use

Provides general illumination with superior brightness control. Surface, wall or pendant mount available. Appropriate for interior applications with mid to high ceilings, such as atriums, auditoriums and transit areas, or in exterior overhangs for retail and office buildings.

Optical System
Self-flanged, semi-specular or matte-diffuse reflector. Optical system optimally balances brightness control and high efficiency.

Housing
Heavy-gauge aluminum. Reveal on ceiling and pendant mount give floating luminaire appearance.

Electrical System
Pre-wired, HPF, core-and-coil ballast mounted to removable power door with quick disconnect for ease of installation/maintenance. Porcelain socket with nickel-plated screw shell.

Mounting
Ceiling mount, wall mount or pendant mount available.

Listings
UL Listed for damp locations (11" and 13") or wet locations (15") for non-covered ceiling installations. Listed and labeled to comply with Canadian Standards.

Ordering Information

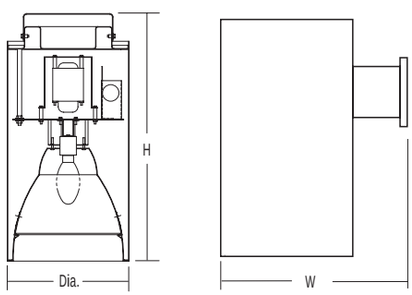
Example: **CC13 175M AR 120 DWHG**

Series[1]	Diameter[3]	Wattage/lamp[4]	Trim color	Finish	Voltage	Options/accessories	Color
CC Ceiling mount	**11**	Metal Halide	**AR** Clear	(blank) Semi-specular	**120**	See pages 266-271.	**DWHG** Matte white (standard)
CP Pendant mount[2]	**13**	**50M**[5]	**PR** Pewter	**LD** Matte-diffuse	**208**		**DDB** Dark bronze
CW Wall mount	**15**	**70M**[5]	**UBR** Umber		**240**		**DBL** Black
		100M[5]	**WTR** Wheat		**277**		**DNA** Natural aluminum
		150M[5]			**347**		**DWH** Gloss white
		175M[5]					**DTG** Tennis green
		250M[5]					**DGC** Charcoal grey
		320M[5]					**DSS** Sandstone
		350M[5]					
		400M					
		Ceramic Metal Halide[5]					
		50MHC					
		70MHC					
		100MHC					
		150MHC					

Catalog No.	Max. wattage	Diameter	Height (H)	Wall mount width (W)
CC11	100	11-1/8 (28.3)	22-1/2 (57.2)	16 (40.6)
CC13	250	13-1/8 (33.3)	24-1/2 (62.2)	18 (45.7)
CC15	400	15-1/4 (38.7)	25-1/2 (64.8)	20-1/8 (51.1)

NOTES:
1. Matte white finish (DWHG) standard.
2. 3/8" thread mount, order stem separately.
3. Refer to chart for maximum wattage availability.
4. 150W and lower metal halide lamps use medium-base socket. Recommended for use with coated lamps.
5. Tempered safety lens provided.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: CC

Lensed, Wet Location Cylinders

C

Vertical Lamp

Intended Use

Provides general illumination with superior brightness control. Surface, wall or pendant mount available. Appropriate for mid to high ceiling applications such as exterior columns and facades.

Optical System
Semi-specular clear anodized aluminum upper reflector.

Door
Regressed aluminum door frame with Fresnel lens.

Housing
Heavy-gauge aluminum.

Electrical System
Pre-wired, HPF core-and-coil ballast mounted to removable power door with quick disconnect for ease of installation/maintenance. Porcelain socket with nickel-plated screw shell.

Mounting
Ceiling mount, wall mount or pendant mount available.

Listings
Fixtures are UL Listed for wet locations for non-covered ceiling installations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **CEW13 175M 120 DWHG**

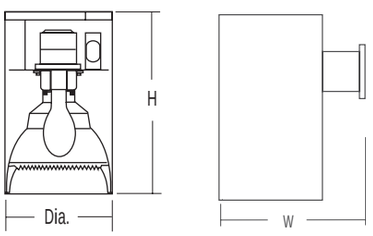
Series[1]	Diameter[3]	Wattage/lamp[4]	Voltage	Options/accessories	Color
CEC Ceiling mount	**10**	Metal Halide	**120**	See pages 266-271.	**DWHG** Matte white (standard)
CEP Pendant mount[2]	**13**	**50M**	**208**		**DDB** Dark bronze
CEW Wall mount		**70M**	**240**		**DBL** Black
		100M	**277**		**DNA** Natural aluminum
		150M	**347**		**DWH** Gloss white
		175M			**DTG** Tennis green
		250M			**DGC** Charcoal grey
		Ceramic Metal Halide			**DSS** Sandstone
		50MHC			
		70MHC			
		100MHC			
		150MHC			

Catalog No.	Aperture	Diameter	Height (H)	Wall mount width (W)
CEC10	100W	10 (25.4)	18-1/4 (46.4)	13-1/8 (33.3)
CEC13	250W	13 (33.0)	23-3/8 (59.4)	17-7/8 (45.4)

NOTES:
1. Matte white finish (DWHG) standard.
2. 3/8" thread mount, order stem separately.
3. Refer to chart for maximum wattage availability.
4. 150W and lower metal halide lamps use medium-base socket. Recommended for use with coated lamps.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: CE

CA

Vertical Lamp

PAR38

Intended Use

Provides general illumination in schools, retail or other mid- to high-ceiling applications where simple, inexpensive dimming and superior color rendering are required. Brightness control is achieved with a black baffle system.

Optical System
Black baffle.

Housing
Hydroformed aluminum housing.

Electrical System
Medium-base porcelain socket with nickel-plated screw shell.

Mounting
Ceiling mount (standard) wall mount or pendant mount available.

Pendant mount option requires 1/4" IPS stem Gotham® nomenclature for stem and hang straight swivel is "CAS." Length of stem must be specified (from 6" to 48" in 6" increments).

Listings
Fixtures are UL Listed for damp locations. Wall mounted option is UL Listed for wet locations for non-covered ceiling installations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **CA6 6MB DWHG**

Series[1]
CA6

Aperture/trim
6MB Black baffle

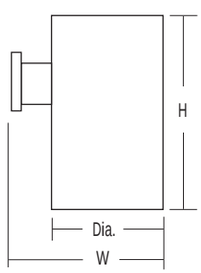
Options/accessories
See pages 266-271.

Color
DWHG Matte white (standard)
DDB Dark bronze
DBL Black
DNA Natural aluminum
DWH Gloss white
DTG Tennis green
DGC Charcoal grey
DSS Sandstone

Catalog No.	Max. wattage/ lamp[2]	Diameter	Height (H)	Wall mount width (W)
CA6	150W PAR38	5-7/8 (14.9)	9-5/8 (24.4)	7-3/16 (18.3)

NOTES:
1 Matte white finish (DWHG) standard.
2 Maximum wattage for wall mount option is Q250W PAR38.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: CA

Open Cylinders

CA

Vertical Lamp

Intended Use

Provides general illumination with superior brightness control. Appropriate for mid to high ceilings. Use in schools, retail or other areas where simple, inexpensive dimming and excellent color rendering are required.

Optical System

Self-flanged, semi-specular, matte-diffuse or specular reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of reflector to bottom.

Housing

Heavy-gauge aluminum housing with top deck for clean appearance. Relector edge seats flush with cylinder wall for clean, one-piece appearance.

Electrical System

Die-cast aluminum socket housing. Medium-base porcelain socket with nickel-plated screw shell.

Mounting

Ceiling mount (standard) offers patented quick-mount attachment plate for direct installation (U.S. Patent No. 4,300,190). Wall mount or pendant mount available.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **CA8 6AR DWHG**

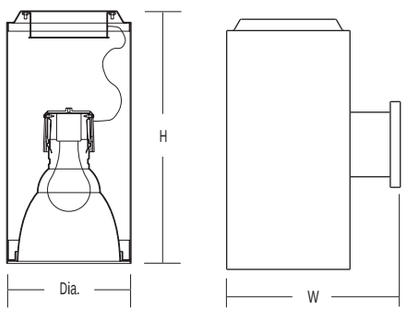
Series[1]	Lamp designation	Aperture	Trim color	Finish	Options/accessories	Color
CA8[2]	(blank) A19, A21, A23, PS25 lamp	**6**	**AR** Clear	(blank) Semi-specular	See pages 266-271.	**DWHG** Matte white (standard)
CA9[3]	**PAR30** PAR30 (75W max.)[2]	**8**	**BR** Black[4]	**LD** Matte-diffuse		**DDB** Dark bronze
	PAR38 PAR 38 (Q250W max.)[3]		**PR** Pewter	**LS** Specular		**DBL** Black
			UBR Umber			**DNA** Natural aluminum
			WTR Wheat			**DWH** Gloss white
			CR Champagne gold			**DTG** Tennis green
			GR Gold			**DGC** Charcoal grey
			MB Black baffle[4]			**DSS** Sandstone
			WB White baffle[4]			

Catalog No.	Max. wattage/ lamp	Aperture	Diameter	Height (H)	Wall mount width (W)
CA8	150W A21 75W PAR30	6 (15.2)	7-5/8 (19.4)	15-1/2 (39.4)	10-7/8 (27.6)
CA9	300W PS25 Q250W PAR38	8 (20.3)	9-3/8 (23.8)	16 (40.6)	12-5/8 (32.1)

NOTES:
1 Matte white finish (DWHG) standard.
2 Available in 6" aperture only.
3 Available in 8" aperture only.
4 Not available with finishes.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: CA

CAL

Vertical Lamp

Intended Use

Provides general illumination with superior brightness control. Appropriate for mid to high ceilings. Use in schools, retail or other areas where simple, inexpensive dimming and excellent color rendering are required.

Optical System
White painted upper reflector.

Door
Regressed door (RW) or stepped black baffle (SB) are available. Door is retained by two self-aligning, torsion suppport springs.

Lens
Available with tempered prismatic lens (T73) flat Fresnel lens (FFL) or flat opal lens (FOL).

Housing
Heavy-gauge aluminum housing with top deck for clean appearance. Reflector edge seats flush with cylinder wall for clean, one-piece appearance.

Electrical System
Die-cast aluminum socket housing. Medium-base porcelain socket with nickel-plated screw shell.

Mounting
Ceiling mount (standard) offers patented quick-mount attachment plate for direct installation (U.S. Patent No. 4,300,190). Wall mount or pendant mount available.

Listings
Fixtures are UL Listed for wet locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **CAL8 6RW T73 DWHG**

Series[1]
- **CAL8**[2]
- **CAL9**[3]

Aperture
- **6**
- **8**

Door frame
- **RW** Regressed door
- **SB** Stepped black baffle

Lens type
- **T73** Tempered prismatic lens
- **FFL** Flat Fresnel lens
- **FOL** Flat opal lens

Options/accessories

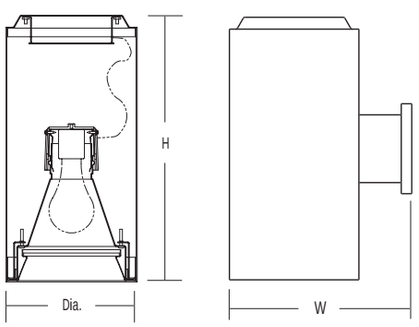
See pages 266-271.

Color
- **DWHG** Matte white (standard)
- **DDB** Dark bronze
- **DBL** Black
- **DNA** Natural aluminum
- **DWH** Gloss white
- **DTG** Tennis green
- **DGC** Charcoal grey
- **DSS** Sandstone

Catalog No.	Max. wattage/ lamp	Aperture	Diameter	Height (H)	Wall mount width (W)
CAL8	150W A21	6 (15.2)	7-5/8 (19.4)	15-1/2 (39.4)	10-7/8 (27.6)
CAL9	200W A23	8 (20.3)	9-3/8 (23.8)	16 (40.6)	12-5/8 (32.1)

NOTES:
1. Matte white finish (DWHG) standard.
2. Available in 6" aperture only.
3. Available in 8" aperture only.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: CAL

Quartz Cylinders

CC

Vertical Lamp

Quartz Halogen T4 Lamp

Intended Use

Provides general illumination with superior brightness control. Appropriate for applications with high ceilings such as churches, malls or auditoriums.

Optical System

Anodized upper ellipsoidal reflector and lower cone to provide high-intensity light output through a small aperture, while maintaining high efficiency and minimizing high-angle brightness. Lower cone is self-flanged, semi-specular, matte-diffuse or specular.

Housing

Heavy-gauge aluminum housing. Reveal on ceiling and pendant mount give floating luminaire appearance.

Electrical System

Extruded aluminum, heat-dissipating socket housing. Heavy duty mini-can socket.

Mounting

Ceiling mount, wall mount or pendant mount available.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

Example: **CC11 250T 8AC DWHG**

Series[1]
- **CC11** Ceiling mount
- **CP11** Pendant mount[2]
- **CW11** Wall mount

Wattage/lamp
- **150T**
- **250T**
- **400T**
- **500T**

Aperture/trim color
- **8AC** Clear
- **8PC** Pewter
- **8UBC** Umber
- **8WTC** Wheat
- **8CC** Champagne gold
- **8GC** Gold
- **8BC** Black[3]
- **8WC** White painted[3]
- **8MB** Black baffle[3]
- **8WB** White baffle[3]

Finish
- (blank) Semi-specular
- **LD** Matte-diffuse
- **LS** Specular

Options/accessories

See pages 266-271.

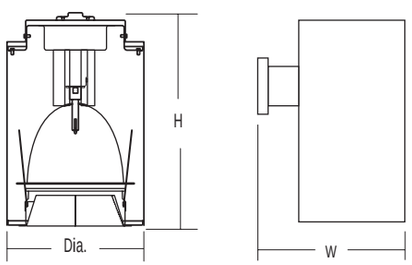
Color
- **DWHG** Matte white (standard)
- **DDB** Dark bronze
- **DBL** Black
- **DNA** Natural aluminum
- **DWH** Gloss white
- **DTG** Tennis green
- **DGC** Charcoal grey
- **DSS** Sandstone

Catalog No.	Aperture	Diameter	Height (H)	Wall mount width (W)
CC11	8 (20.3)	11 (27.9)	17-1/2 (44.5)	15-7/8 (40.3)

NOTES:
1. Matte white finish (DWHG) standard.
2. 3/8" thread mount, order stem separately.
3. Not available with finishes.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: CC

CWU

Vertical Lamp

PAR

Intended Use

Provides direct and indirect light with superior brightness control. Appropriate for mid to high ceilings. Use in schools, retail or other areas where simple, inexpensive dimming and excellent color rendering are required.

Optical System
Self-flanged, semi-specular, matte-diffuse or specular cone maximizes lamp output while minimizing high-angle brightness.

Housing
Heavy-gauge aluminum housing.

Electrical System
Extruded aluminum, heat-dissipating socket housing. Medium-base porcelain sockets with nickel-plated screw shell.

Mounting
Wall mount.

Listings
Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards.

Ordering Information

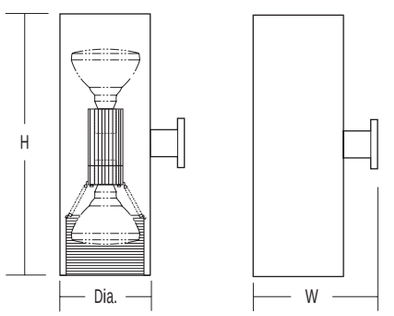
Example: **CWU7A AC DWHG**

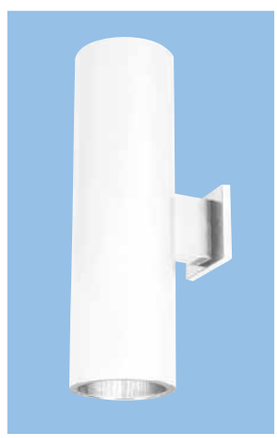
Series[1]	Diameter	Trim color	Finish	Options/accessories	Color
CWU	**7A** 150W PAR38 **8A** Q250W PAR38	**AC** Clear **PC** Pewter **UBC** Umber **WTC** Wheat **CC** Champagne gold **GC** Gold **BC** Black[2] **WC** White painted[2] **MB** Black baffle[2] **WB** White baffle[2]	(blank) Semi-specular **LD** Matte-diffuse **LS** Specular	See pages 266-271.	**DWHG** Matte white (standard) **DDB** Dark bronze **DBL** Black **DNA** Natural aluminum **DWH** Gloss white **DTG** Tennis green **DGC** Charcoal grey **DSS** Sandstone

Catalog No.	Diameter	Height (H)	Wall mount width (W)
CWU7A	6-5/8 (16.8)	22-1/8 (56.2)	9-7/8 (25.1)
CWU8A	8-3/8 (21.3)	22-5/8 (65.1)	11-5/8 (29.5)

NOTES:
1 Matte white finish (DWHG) standard.
2 Not available with finishes.

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





www.gothamlighting.com, keyword: CWU

Low Voltage Lamps

Ordering Information

Example: **MR16 50 40DBS GE**

Lamp type[1]	Wattage	Distribution	Manufacturer
MR11	**20**	**__DBS** Degree beam spread (specify)[2]	**GE** General Electric
MR16	**35**		**SY** Osram Sylvania
ALR12	**50**		**PH** Philips
ALR18	**65**		
AR70	**71**		
AR111	**75**		
PAR36	**100**		
PAR56	**120**		
	240		

NOTES:
1. See chart below for availability.
2. Add degree beam spread. See chart below.
3. Center beam candlepower.
4. Contact Philips Lighting.

	Wattage	Distribution (degree beam spread)	CBCP[3]	Manufacturer
MR11	20	10	5500	SY
		35	700	SY
	35	10	8300	SY
		35	1500	SY

	Wattage	Distribution (degree beam spread)	CBCP[3]	Manufacturer
MR16	20	7	7400	GE
		10	3400	PH
		10	5000	SY
		15	3750	GE
		36	550	PH
		40	525	GE
		40	700	SY
	35	10	8300	SY
		20	3900	GE
		25	3100	SY
		40	1000	GE
		40	1250	SY
	50	10	8800	PH
		10	11500	SY
		15	9100	GE
		24	2500	PH
		25	3200	GE
		25	3200	SY
		36	1600	PH
		40	1700	GE
		40	2000	SY
	65	10	14000	SY
		25	4000	SY
		40	2100	SY
	71	15	11500	GE
		25	5500	GE
		40	2200	GE

	Wattage	Distribution (degree beam spread)	CBCP[3]	Manufacturer
ALR12	20	6	7000	PH
		18	1500	PH
		32	750	PH
ALR18	50	10	13000	PH
		25	2500	PH
AR70	20	8	7700	SY
		25	900	SY
	50	8	12500	SY
		25	2600	SY
AR111	50	8	20000	SY
		25	4000	SY
	75	8	30000	SY
		25	5300	SY
		45	2000	SY
	100	8	48000	SY
		25	8500	SY
		45	2800	SY
PAR36	35	8	20000	GE
		30	900	GE
	36	5	17000	SY
		13	3500	SY
		32	1000	SY
	50	6	25000	SY
		8	30000	GE
		8	X[4]	PH
		30	1300	GE
PAR56	120	VNSP	60000	GE
		MFL	19000	GE
		WFL	5625	GE
	240	VNSP	140000	GE
		MFL	46000	GE
		WFL	13000	GE

Ordering Information

Example: **F200 RR**

Type	Size[2]
F Filter	**100**
L Louver[1]	**200**
	300
	400
	500
	700
	800

Lens

Order separately from fixture as new catalog item.

Lens colors

Dichroic borosilicate lenses (safety glass)

- **RED** Red
- **GAMB** Golden amber
- **YEL** Yellow
- **GRN** Green
- **CBLUE** Cool blue
- **MBLUE** Medium blue
- **CPCH** Cool peach
- **MGN** Magenta
- **CYAN** Cyan
- **CL** Clear lens
- **UV** +99% UV blocking below 400 nm

Soda lime lenses[3]

- **RR** Ruby red
- **MB** Medium blue
- **MA** Medium amber
- **DB** Dark blue
- **MP** Medium pink

Beam-shaping lenses

Borosilicate lenses (safety glass)

- **PMF** Perimeter frost lens
- **LTF** Light frost lens
- **SFG** Softening lens

Soda lime lenses[3]

- **SL** Spread lens
- **EG** Elongating lens

Louvers[3]

- **L** Matte black[4]

	LENS/LOUVER SIZE						
LAMP TYPE	100	200	300	400	500	700	800
ALR12	■						
ALR18			■				
AR111					■	■	
AR70			■				
MR11	■						
MR16		■					
PAR16			■		■	■	
PAR20			■	■	■	■	
PAR30					■	■	
PAR36					■		
PAR38					■	■	
PAR46						■	■
PAR56						■	■

Size dependant upon fixture type and retaining method. See specification sheets.

NOTES:

1 Not available with lens.
2 See chart for lamp compatibility.
3 Safety glass required in combination when used with MR11, MR16 or AR111 lamp types.
4 Not recommended for use with aluminized reflector MR16 lamps.

Options

Ballast/Transformer

EMB	Electromagnetic fluorescent ballast. Requires two-pin lamp.
GEB10	Electronic fluorescent ballast. Requires four-pin lamp. THD < 10%, PF > 0.98
SCWA	Pulse start metal halide super constant wattage autotransformer ballast. Consult specification sheet for wattage and voltage availability.
HEB	Electronic HID ballast. 120V or 277V, 50 or 60 HZ. THD < 15%, PF > 0.90
AD	Advance electromagnetic ballast. Fluorescent requires two-pin lamp.
ADALI	Advance ROVR™ electronic controllable ballast utilizing digital addressable lighting interface (DALI) protocol. Requires four-pin lamp (120V or 277V only).
ADCF	Advance electronic fluorescent ballast. Requires four-pin lamp (120V or 277V only).
ADEZ	Advance Mark 10™ electronic line voltage control dimming ballast. (120V or 277V; 18DTT, 26DTT, 18TRT, 26TRT, 32TRT, 42TRT or 57TRT only). Requires four-pin lamp. Minimum dimming level 5%.
ADZT	Advance Mark 7™ electronic 0-10 VDC dimming ballast. (120V or 277V). Requires four-pin lamp. Minimum dimming level 5%.
DMHL	Lutron Compact SE™ electronic 3-wire line voltage control dimming ballast. (120V or 277V; 18DTT, 26DTT, 18TRT, 26TRT, 32TRT or 42TRT only.) Requires four-pin lamp. Minimum dimming level 5%.
DMHL3	Lutron Hi-Lume® electronic 3-wire line voltage control dimming ballast (120V or 277V; 26TRT or 32TRT only). Requires four-pin lamp. Minimum dimming level 1%.
2W5	Lutron Tu-Wire® electronic line voltage control dimming ballast. (120V or 277V; 18DTT, 26DTT, 18TRT, 26TRT, 32TRT or 42TRT only.) Requires four-pin lamp. Minimum dimming level 5%.
MOTCF	Osram Sylvania electronic fluorescent ballast. Requires four-pin lamp.
UN	Universal Lighting Technologies electromagnetic ballast. Fluorescent requires two-pin lamp.
TUBCF	Universal Lighting Technologies electronic ballast. Requires four-pin lamp.
TUBDD	Universal Lighting Technologies electronic AddressPRO® digital dimming ballast (120V or 277V; 13DTT, 18DTT, 26DTT, 18TRT, 26TRT, 32TRT or 42TRT only). Requires four-pin lamp. Minimum dimming level 3%.
SDT	Stepdown transformer (277V to 120V; 300W max.).
SDT347	Stepdown transformer (347V to 120V; 75W max.).
QDS	Quick disconnect system for easy fluorescent ballast replacement.
DS	Dual switching.

Emergency

EL	Emergency battery pack with integral test switch. Operates one lamp in emergency mode with battery back-up in case of power disruption.
ELR	Emergency battery pack with remote test switch. Operates one lamp in emergency mode with battery back-up in case of power disruption.
EL2LP	Emergency battery pack with integral test switch. Operates two lamps in emergency mode with battery back-up in case of power disruption.
ELR2LP	Emergency battery pack with remote test switch. Operates two lamps in emergency mode with battery back-up in case of power disruption.
ELSD	Emergency battery pack with integral test switch and self-diagnostics module. Operates one four-pin lamp in emergency mode with battery back-up in case of power disruption. Self-diagnostic module evaluates AC to DC transfer, charging and battery condition for five minutes every 30 days and 30 minutes every six months.
ELRSD	Emergency battery pack with remote test switch and self-diagnostics module. Operates one four-pin lamp in emergency mode with battery back-up in case of power disruption. Self-diagnostic module evaluates AC to DC transfer, charging and battery condition for five minutes every 30 days and 30 minutes every six months.
ELRB94	Bodine B94 emergency battery pack with remote test switch. Operates one lamp in emergency mode with battery back-up in case of power disruption.
BGTD	Bodine GTD™ generator transfer device. Factory installed on fixture, senses loss of normal power and switches to auxiliary generator to power fixture for egress lighting.
QRS	Quartz restrike system. Automatically energizes 120V double-contact, bayonet-base lamp (by others) during a momentary power interruption significant enough to cause HID lamp to drop out. Lamp stays on until HID lamp restrikes.
QRSTD	Quartz restrike system with time delay. Operates like QRS, except auxilliary lamp remains on for two minutes after HID lamp restrikes.
EC	Emergency circuit. Factory-installed double-contact, bayonet-base socket with leads. For use with separate, external emergency power system.

Fusing

GMF	Single, slow-blow fuse. (120V, 277V or 347V only.)
GLR	Single, fast-blow fuse. (120V, 277V or 347V only.)
SF	Single fuse (120V, 277V or 347V only).
DF	Double fuse (208V or 240V only).

Trim

TRW	White painted flange. (Standard with MB, WB, WC, or WR trim colors.)
TRBL	Black painted flange.
TRDA	Tamper-resistant door assembly. Includes two tamper-resistant screws. For added protection, use in combination with PCL lens option.
GSKT	Foam gasketing. Aids in reduction of light leaks and insect penetration, shipped uninstalled.
CWW	Corner wallwash.
DWW	Double wallwash.

Lamp

WLP	Lamp (shipped separately).
LPSP	Spot lamp (shipped separately).
LPFL	Flood lamp (shipped separately).
LPWFL	Wide flood lamp (shipped separately).

Mounting

PM	Pendant mount, order stem separately.
WM	Wall mount.
CYS	3/8" stem and canopy with 5° "hang straight" swivel. Consult factory for exterior applications. Length of stem must be specified (from 6" to 48" in 6" increments).
CRS	3/8" stem and canopy with 45° swivel. Consult factory for exterior applications. Length of stem must be specified (from 6" to 48" in 6" increments).

Miscellaneous

LRC	Provides compatibility with Lithonia Reloc® System. Lithonia Reloc System can be installed less this option with connectors provided by others. Access above ceiling required.
RIF	Radio inference filter. Inductive capacitor circuit designed to minimize interference from feedback into line. 120V through 347V, 50 or 60 HZ.
CP	Chicago plenum.

■ = Option available, see specification sheet for details.

		FLUORESCENT														HID							INCANDESCENT								LOW VOLTAGE		
		PDXF/PDTF	PDGF	AF/AFW	AFZ/AFZW	AFV/AFVW	DLWF	LGF	LGFV	LAF	CF	CFZ	CFV	CFL	CFVL	AH/AHW/AHZ	APRH	DPH	DLWH	LGH/LGHZ	LAH	CC/CEC	A/AW/AZ/AZW	APR	GQ/GQT	DP	DLW	LG/LGZ	LA	CA/CAL/CWU/CC	APRLV	DLV 1-4	DLV 6 & 8
Ballast/Transformer	EMB			■	■	■				■	■	■	■																				
	GEB10	■	■	■	■	■	■	■	■	■	■	■	■	■	■																		
	SCWA															■				■		■											
	HEB															■	■	■	■	■	■												
	AD			■	■	■				■	■	■	■			■	■	■	■	■	■	■											
	ADALI	■	■	■	■	■	■	■	■	■	■	■	■	■	■																		
	ADCF	■	■	■	■	■	■	■	■	■	■	■	■	■	■																		
	ADEZ	■	■	■	■	■	■	■	■	■	■	■	■	■	■																		
	ADZT	■	■	■	■	■	■	■	■	■	■	■	■	■	■																		
	DMHL	■	■	■	■	■	■	■	■	■	■	■	■	■	■																		
	DMHL3	■	■	■		■	■	■	■	■	■		■	■	■																		
	2W5	■	■	■	■	■	■	■	■	■	■	■	■	■	■																		
	MOTCF	■	■	■	■	■	■	■	■	■	■	■	■	■	■																		
	UN			■	■	■				■	■	■	■			■	■	■	■	■	■	■											
	TUBCF	■	■	■	■	■	■	■	■	■	■	■	■	■	■																		
	TUBDD	■	■	■	■	■	■	■	■	■	■	■	■	■	■																		
	SDT																						■	■	■	■	■	■	■				
	SDT347																						■	■		■	■	■	■				
	QDS	■	■	■	■	■		■	■	■																							
	DS	■	■	■	■		■	■		■	■	■		■																			
Emergency	EL			■		■[1]																											
	ELR	■	■	■	■	■	■	■	■	■																							
	EL2LP[1]			■	■			■		■																							
	ELR2LP[1]	■	■	■	■			■		■																							
	ELSD[1]			■		■																											
	ELRSD[1]	■	■	■	■	■	■	■	■	■																							
	ELRB94[1]	■	■	■	■	■	■	■	■	■																							
	BGTD	■	■	■	■	■	■	■	■	■																							
	QRS															■	■	■		■	■	■											
	QRSDT															■	■	■		■	■	■											
	EC															■	■	■		■	■	■											
Fusing	GMF	■	■	■	■	■	■	■	■	■	■	■	■	■	■																		
	GLR	■	■	■	■	■	■	■	■	■	■	■	■	■	■																		
	SF															■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
	DF																				■	■											
Trim	TRW	■		■	■	■	■									■	■	■	■				■	■	■	■	■				■	■	■
	TRBL	■		■	■	■	■									■	■	■	■				■	■	■	■	■				■	■	■
	TRDA							■	■	■				■	■					■	■							■	■				
	GSKT	■	■	■	■	■	■	■	■	■						■	■	■	■	■	■		■	■	■	■	■	■	■		■	■	■
	CWW			■		■										■							■										
	DWW			■		■										■							■										
Lamp	WLP	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				■	■	■			■								
	LPSP																■	■															
	LPFL																■	■	■														
	LPWFL																■	■															
Mounting	PM										■	■	■	■	■															■			
	WM										■	■	■	■	■															■			
	CYS										■	■	■	■	■								■							■			
	CRS										■	■	■	■	■								■							■			
	LRC	■	■	■	■	■	■	■	■	■						■	■	■	■	■	■		■	■	■	■	■	■	■		■	■	■
Misc.	RIF	■	■	■	■	■	■	■	■	■																							
	CP	■	■	■		■	■	■	■							■	■	■	■	■			■	■		■	■	■				■	■

NOTES:

1 Available with 4-pin lamp only.

Accessories

SCA Sloped ceiling adapter, aluminum with matte white finish for use in sloped ceiling application. Must specify product aperture and degree of slope. Example: SCA6 10D.

CTA Ceiling thickness adapter, galvanized steel for use in ceilings up to 2" thick.

BH24 Bar hangers, 24" galvanized steel bar hangers for T-bar mounting (set of two).

LSMC T-Bar mounting clips designed to lock bar hangers to T-bar (set of four). Not for use with BH24.

LFH Locking filter holder accommodates up to two lenses/louvers.

LTWFH Filter holder accommodates up to two lenses/louvers.

GFC Filter clips accommodates up to two lenses/louvers.

■ = Option available; see specification sheet for details.

	FLUORESCENT								HID					INCANDESCENT					LOW VOLTAGE	
	PDXF/PDTF	PDGF	AF/AFW	AFZ/AFZW	AFV/AFVW	LGF	LGFV	LAF	AH/AHW/AHZ	APRH	DPH	LGH/LGHZ	LAH	A/AW/AZ/AZW	APR	DP	LG/LGZ	LA	APRLV	DLV 6 & 8
SCA4					■					■	■				■	■				
SCA5					■															
SCA6	■		■		■	■	■		■	■		■		■	■		■		■	
SCA8	■	■	■	■	■	■	■		■	■		■		■	■		■			
SCA10		■	■			■	■		■			■					■			
SCA12									■					■						
CTA6					■				■					■						
CTA860					■				■					■						
CTA10									■											
CTA12									■					■						
BH24							■						■					■		
LSMC							■						■					■		
LFH300											■					■				
LFH501																■				
LFH502											■					■				
LFH503																■				■
LFH701																■				
LFH702											■					■				
LFH703																■				■
LTWFH400											■					■				
LTWFH500											■					■				
LTWFH700											■					■				
GFC700																■				■
GFC800																■				■

SCA

Sloped Ceiling Adapter

Intended Use

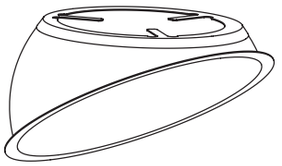
Provides an effective and attractive interface between sloped ceilings and Gotham® recessed luminaires.

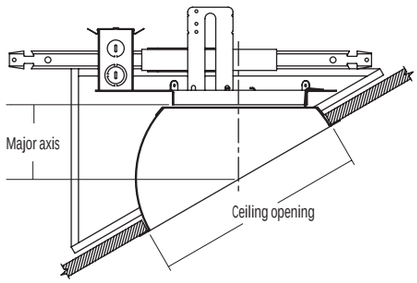
Features

Each adapter is scaled specifically to the aperture diameter of the luminaire. The adapter may be specified for 10-30 degree slopes, in 5 degree increments.

The self-flanged, heavy gauge aluminum adapter is coated with a white, textured polyester powder finish for durability.

Mechanical design provides simplified installation with integral tabs. Integral tabs support the adapter to the recessed downlight housing prior to installation of the trim.





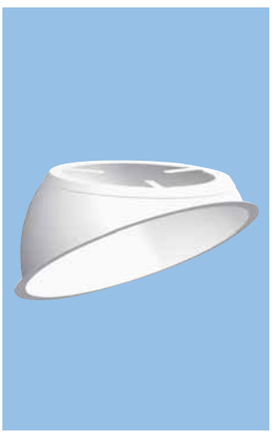
Ordering Information

Example: **SCA6 15D**

Series	Product aperture	Degree of slope
SCA	**4**	**10D**
	5	**15D**
	6	**20D**
	8	**25D**
	10	**30D**
	12	

Sloped Ceiling Adapter Ordering Information and Dimensional Data							
			Degree of slope (pitch)				
			10° (2/12)	15° (3/12)	20° (4&5/12)	25° (6/12)	30° (7/12)
Sloped ceiling adapter	Fixture series	Ceiling opening (Dia.)	Major axis/height adder				
SCA4	AFV4, AH4, APRH4, A4, APR4	11 (27.9)	3-7/8 (9.8)	3-7/8 (9.8)	3-7/8 (9.8)	3-7/8 (9.8)	3-7/8 (9.8)
SCA5	AFV5	11 (27.9)	3-7/8 (9.8)	3-7/8 (9.8)	3-7/8 (9.8)	3-7/8 (9.8)	3-7/8 (9.8)
SCA6	AF6, AFV6, AH6, AHZ6, APRH6, APR6, A6, AZ6, APRLV6, LGF6, LGFV6, LGH6, LGHZ6, LG6, LGZ6	11 (27.9)	3-7/8 (9.8)	3-7/8 (9.8)	3-7/8 (9.8)	3-7/8 (9.8)	3-7/8 (9.8)
SCA8	AF8, AFV8, AFZ8, AH8, AHZ8, APRH8, A8, AZ8, LGF8, LGFV8, LGH8, LGHZ8, LG8, LGZ8	12-5/8 (32.1)	4-1/4 (10.8)	4-1/4 (10.8)	4-1/4 (10.8)	4-1/4 (10.8)	4-1/4 (10.8)
SCA10	AF10, AH10, LGF10, LGFV10, LGH10, LGHZ10, LG10, LGZ10	17-3/4 (45.1)	5-3/4 (14.6)	5-3/4 (14.6)	5-3/4 (14.6)	5-3/4 (14.6)	5-3/4 (14.6)
SCA12	A12, AH12	17-3/4 (45.1)	5-3/4 (14.6)	5-3/4 (14.6)	5-3/4 (14.6)	5-3/4 (14.6)	5-3/4 (14.6)

Drawings are for dimensional detail only and may not represent actual mechanical configuration.
Dimensions are shown in **inches (centimeters)** unless otherwise noted.





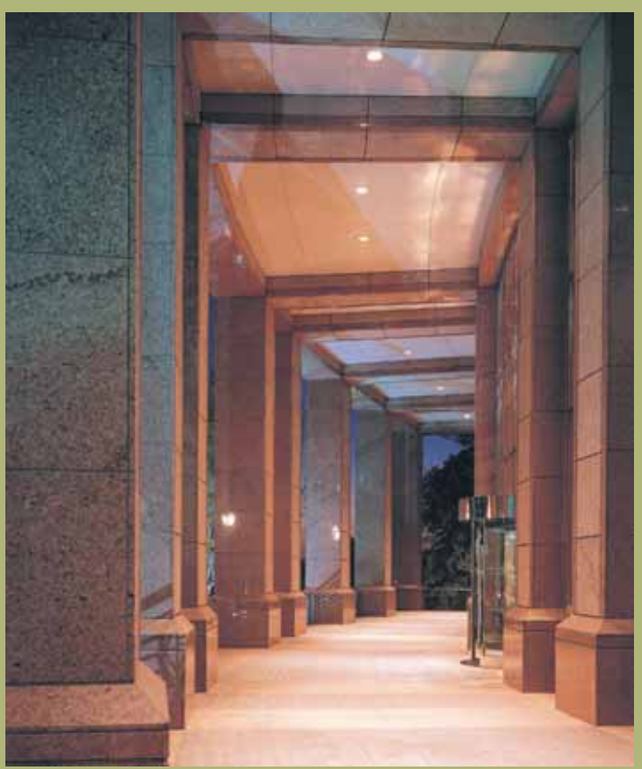
Lithonia Downlighting

The Lithonia Downlighting family of products offers a wide selection of compact fluorescent, HID, incandescent and low voltage fixtures for a variety of applications.

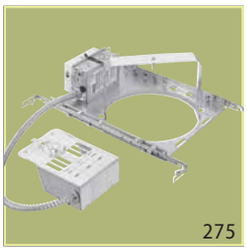
With aperture sizes ranging from three to eight inches, our frame-ins meet industry requirements for rugged construction and easy installation. Our reflectors are designed to deliver solid photometric performance at competitive prices.

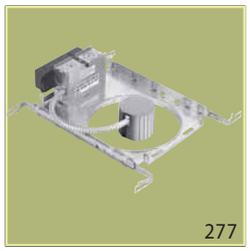
With a comprehensive selection of frame-ins and reflectors in stock, Lithonia Downlighting is the ideal choice for your next lighting project.



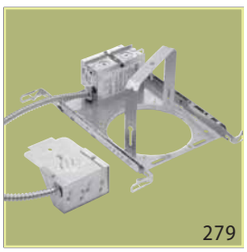


CONTENTS



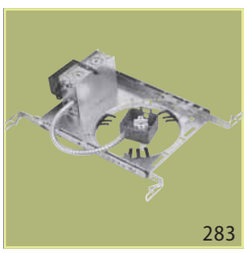






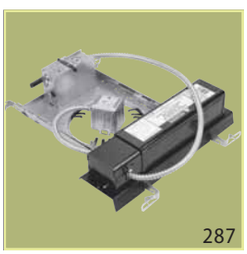


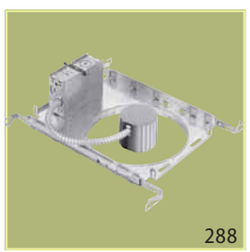


























Fluorescent Downlights

8" Aperture 274
6" Aperture 279
5" Aperture 285

HID Downlights

8" Aperture 286
6" Aperture 287

Incandescent Downlights

8" Aperture 288
6" Aperture 289
5" Aperture 291

Low Voltage Downlights

6" Aperture 292
3" Aperture 293

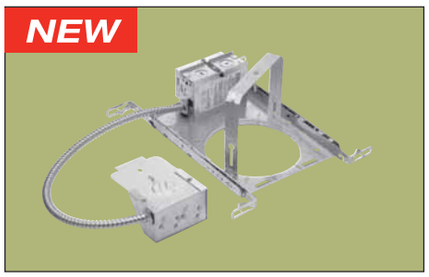
Specialty

Wet Location Steplights 294

Options & Accessories 295

LF8

1-Lamp, Triple-Tube (TRT)



Non-IC Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1-1/2".*

Intended Use

New construction applications requiring high performance horizontal reflectors using compact fluorescent lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with adjustable integral yoke to retain optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

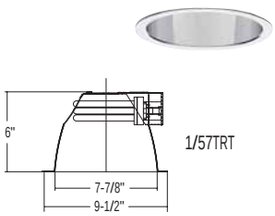
Electrical System – Electronic multi-volt ballast, 120V through 277V with end of life protection. Maximum 4 (2 in, 2 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided. Class P thermally protected ballast protects against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

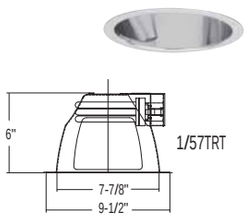
Open reflector

F801 White
Other finishes: A/AZ/G/GZ/PR/WTZ



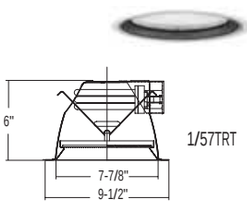
Wallwash with integral kicker

F8W4 White
Other finishes: A/AZ/G/GZ/PR/WTZ

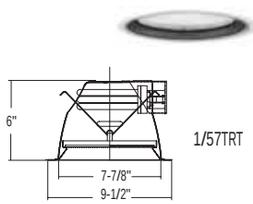


Glass lens with specular upper reflector

F8LS Clear
Trim types: 4



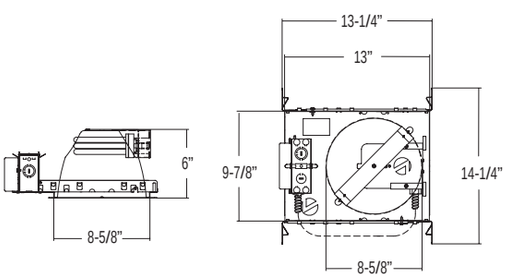
F8LS Tempered prismatic
Trim types: 73



Ordering Information

Example: **LF8 1/26-42TRT F801A MVOLT**

Series	Wattage/Lamp	Reflector				Voltage	Options	
LF8	**1/26-42TRT**[1]	**F801**	White	**F8W4AZ**	Clear specular wallwash	**MVOLT**[4]	**GEB10**	Generic electronic ballast, THD (total harmonic distortion) <10%.
	1/26TRT	**F801A**	Clear diffuse open	**F8W4G**	Gold diffuse wallwash	**120**	**ADEZ**	Advance Mark 10™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
	1/32TRT	**F801AZ**	Clear specular open	**F8W4GZ**	Gold specular wallwash	**277**	**DMHL**	Lutron Compact SE™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
	1/42TRT	**F801G**	Gold diffuse open	**F8W4PR**	Pewter diffuse wallwash	**347**	**EL**	Emergency battery pack with integral test switch.[5]
	1/57TRT[2]	**F801GZ**	Gold specular open	**F8W4WTZ**	Wheat specular wallwash		**ELR**	Emergency battery pack with remote test switch.[5]
		F801PR	Pewter diffuse open	**F8LS4**	White splay, flat clear lens[3]		**GMF**	Single slow-blow fuse.
		F801WTZ	Wheat specular open	**F8LS73**	White splay, tempered prismatic lens[3]		**WLP**	35K lamp (shipped separately).
		F8W4	White wallwash				**TRW**	White flange.
		F8W4A	Clear diffuse wallwash					



STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) **LF8 1/26-42TRT F801A MVOLT**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 13) **LF8 1/26-42TRT MVOLT** (13 cartons of 1 housing)
(Qty 13) **F801A** (13 cartons of 1 reflector)

NOTES:
1 Not available with DMHL or WLP.
2 Not available with 347 or DMHL
3 Lens removal required before EL testing. Lens door pulls down for EL testing.
4 MVOLT – Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
5 Not available with 57TRT.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches .

LF8

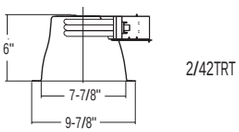
2-Lamp, Triple-Tube (TRT)

Non-IC Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1-1/2".*

Open reflector

F8O3 White
Other finishes: A/AZ/G/GZ/PR/WTZ



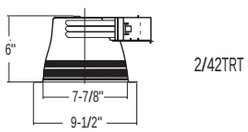


2/42TRT

Baffle with specular upper reflector

F8B4 Black baffle
Other finishes: W



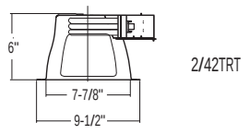


2/42TRT

Wallwash with integral kicker

F8W3 White
Other finishes: A/AZ/G/GZ/PR/WTZ



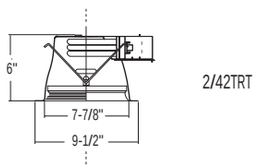


2/42TRT

Glass lens with specular upper reflector

F8LT Clear
Trim types: 1/B1

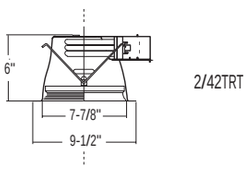




2/42TRT

F8LT Fresnel
Trim types: 4/B4

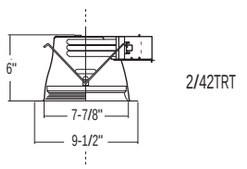




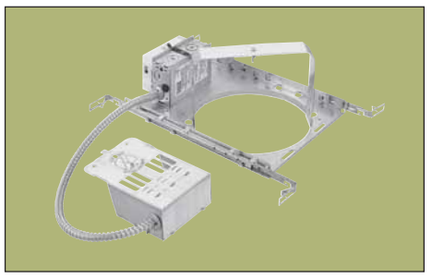
2/42TRT

F8LT Tempered prismatic
Trim types: 73/B73





2/42TRT



Intended Use

New construction applications requiring high performance horizontal reflectors using compact fluorescent lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with adjustable integral yoke to retain optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

Electrical System – Electronic multi-volt ballast, 120V through 277V with end of life protection. Maximum 4 (2 in, 2 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided. Class P thermally protected ballast protects against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

Ordering Information

Example: **LF8 2/26-42TRT F8O3A MVOLT**

Series	Wattage/lamp	Reflector				Voltage	Options	
LF8	**2/26-42TRT**[1]	**F8O3**	White open	**F8W3GZ**	Gold specular wallwash	**MVOLT**[3]	**GEB10**	Generic electronic ballast, THD (total harmonic distortion) <10%.
	2/26TRT	**F8O3A**	Clear diffuse open	**F8W3PR**	Pewter diffuse wallwash	**120**	**ADEZ**	Advance Mark 10™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
	2/32TRT	**F8O3AZ**	Clear specular open	**F8W3WTZ**	Wheat specular wallwash	**277**	**DMHL**	Lutron Compact SE™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
	2/42TRT	**F8O3G**	Gold diffuse open	**F8LT1**	White splay, clear lens[2]	**347**	**EL**	Emergency battery pack with integral test switch.
		F8O3GZ	Gold specular open	**F8LTB1**	Black baffle, clear lens[2]		**ELR**	Emergency battery pack with remote test switch.
		F8O3PR	Pewter diffuse open	**F8LT4**	White splay, fresnel lens[2]		**GMF**	Single slow-blow fuse.
		F8O3WTZ	Wheat specular open	**F8LTB4**	Black baffle, fresnel lens[2]		**WLP**	35K Lamp (shipped separately).
		F8B4	Black baffle	**F8LT73**	White splay, tempered prismatic lens[2]		**TRW**	White flange.
		F8B4W	White baffle					
		F8W3	White wallwash	**F8LTB73**	Black baffle, tempered prismatic lens[2]			
		F8W3A	Clear diffuse wallwash					
		F8W3AZ	Clear specular wallwash					
		F8W3G	Gold diffuse wallwash					

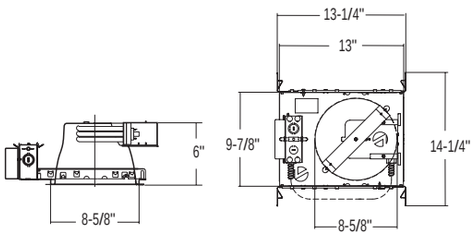
NOTES:
1 Not available with DMHL or WLP.
2 Lens removal required before EL testing.
3 MVOLT – Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) **LF8 2/26-42TRT F8O3A MVOLT**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 13) **LF8 26-42TRT MVOLT** (13 cartons of 1 housing)
(Qty 13) **F8O3A** (13 cartons of 1 reflector)



www.lithonia.com, keyword: LF8 2 TRT

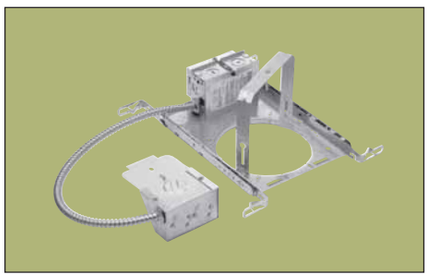
LITHONIA LIGHTING

8" Horizontal Compact Fluorescent

LF8

2-Lamp, Double Twin-Tube (DTT)

Non-IC Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1-1/2".*



Intended Use

New construction applications requiring high performance horizontal reflectors using compact fluorescent lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with adjustable integral yoke to retain optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

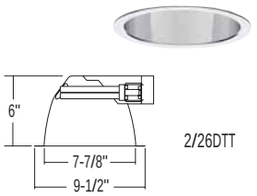
Electrical System – Electronic multi-volt ballast, 120V through 277V with end of life protection. Maximum 4 (2 in, 2 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided. Class P thermally protected ballast protects against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

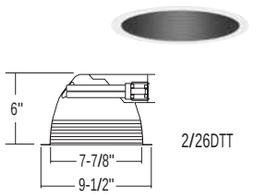
Open reflector

F802 White
Other finishes: A/AZ/G/GZ/PR/WTZ



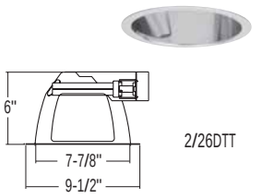
Baffle with specular upper reflector

F8B3 Black baffle
Other finishes: W



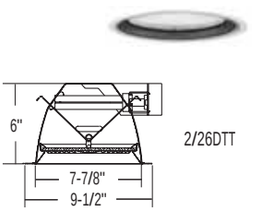
Wallwash with integral kicker

F8W1 White
Other finishes: A/AZ/G/GZ/PR/WTZ

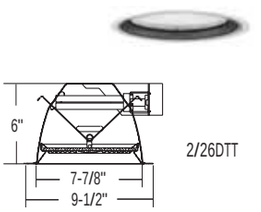


Glass lens with specular upper reflector

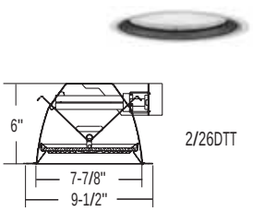
F8LF Clear
Trim types: 1/B1



F8L Fresnel
Trim types: 4/B4



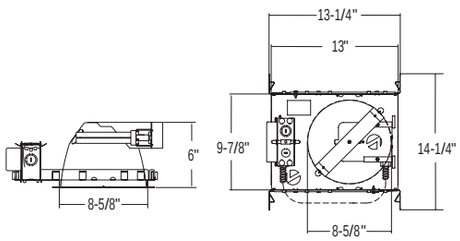
F8LF Tempered prismatic
Trim types: 73/B73



Ordering Information

Example: **LF8 2/26DTT F802 MVOLT**

Series	Wattage/lamp	Reflector				Voltage	Options	
LF8	**2/18DTT**	**F802**	White open	**F8W1AZ**	Clear specular wallwash	**MVOLT**[2]	**GEB10**	Generic electronic ballast, THD (total harmonic distortion) <10%.
	2/26DTT	**F802A**	Clear diffuse open	**F8W1G**	Gold diffuse wallwash	**120**	**ADEZ**	Advance Mark 10™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
		F802AZ	Clear specular open	**F8W1GZ**	Gold specular wallwash	**277**	**DMHL**	Lutron Compact SE™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
		F802G	Gold diffuse open	**F8W1PR**	Pewter diffuse wallwash	**347**	**LRC**	Provides compatibility with Lithonia Reloc System.
		F802GZ	Gold specular open	**F8W1WTZ**	Wheat specular wallwash		**EL**	Emergency battery pack with integral test switch.[3]
		F802PR	Pewter diffuse open	**F8LF1**	White splay, clear lens[1]		**ELR**	Emergency battery pack with remote test switch.[3]
		F802WTZ	Wheat specular open	**F8LFB1**	Black baffle, clear lens[1]		**GMF**	Single slow-blow fuse.
		F8B3	Black baffle	**F8L4**	White splay, fresnel lens[1]		**WLP**	35K Lamp (shipped separately).
		F8B3W	White baffle	**F8LB4**	Black baffle, fresnel lens[1]		**TRW**	White flange.
		F8W1	White wallwash	**F8LF73**	White splay, tempered prismatic lens[1]			
		F8W1A	Clear diffuse wallwash	**F8LFB73**	Black baffle, tempered prismatic lens[1]			



STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) **LF8 2/26DTT F802 MVOLT**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 13) **LF82/26DTT MVOLT** (13 cartons of 1 housing)
(Qty 13) **F802** (13 cartons of 1 reflector)

NOTES:
1 Lens removal required before EL testing. Lens door pulls down for EL testing.
2 MVOLT – Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
3 Not available with a magnetic ballast.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

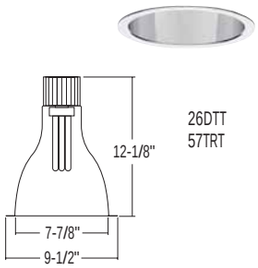
LP8F

1-Lamp, Double Twin-Tube (DTT) or Triple-Tube (TRT)

Non-IC Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1-1/2".*

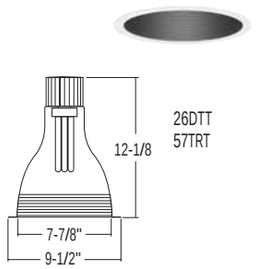
Open reflector

8O2 White
Other finishes: A/AZ/G/GZ/PR/WTZ



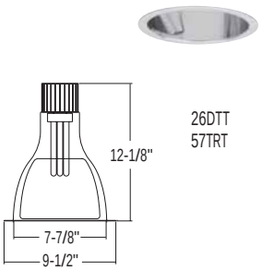
Baffle with specular upper reflector

8B3 Black baffle
Other finishes: W



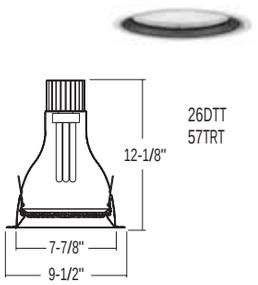
Wallwash with integral kicker

8W1 White
Other finishes: A/AZ/G/GZ/PR/WTZ

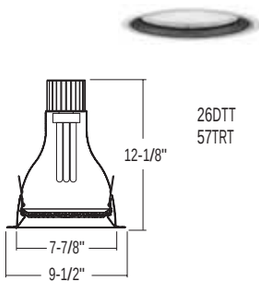


Glass lens

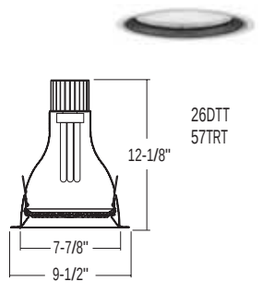
8LF Clear
Trim types: 1/B1

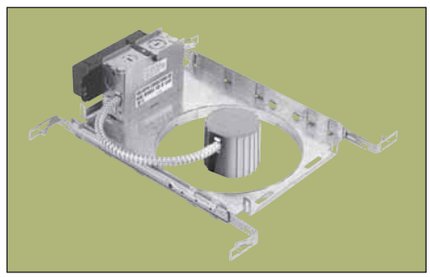


8L Fresnel
Trim types: 4/B4



8LF Tempered prismatic
Trim types: 73/B73





Intended Use

New construction applications requiring high performance vertical reflectors using compact fluorescent lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with trim retaining clips to secure optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

Electrical System – Electronic multi-volt ballast, 120V through 277V with end of life protection. Maximum 4 (2 in, 2 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided. Class P thermally protected ballast protects against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

Ordering Information

Example: **LP8F 26-42TRT 8O2 MVOLT**

Series	Wattage/lamp	Reflector				Wattage	Options	
LP8F	**18DTT**	**8O2**	White open	**8W1G**	Gold diffuse wallwash	**MVOLT**[5]	**GEB10**	Generic electronic ballast, THD (total harmonic distortion) <10%.
	26DTT	**8O2A**	Clear diffuse open	**8W1GZ**	Gold specular wallwash	**120**	**ADEZ**	Advance Mark 10™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
	18TRT[1]	**8O2AZ**	Clear specular open	**8W1PR**	Pewter diffuse wallwash	**277**	**DMHL**	Lutron Compact SE™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
	26-42TRT[1,2]	**8O2G**	Gold diffuse open	**8W1WTZ**	Wheat specular wallwash	**347**	**EL**	Emergency battery pack with integral test switch.[1,6]
	26TRT[1]	**8O2GZ**	Gold specular open	**8LF1**	White splay, clear lens[4]		**ELR**	Emergency battery pack with remote test switch.[1,6]
	32TRT[1]	**8O2PR**	Pewter diffuse open	**8LFB1**	Black baffle, clear lens[4]		**GMF**	Single slow-blow fuse.
	42TRT[1]	**8O2WTZ**	Wheat specular open	**8L4**	White splay, fresnel lens[4]		**LRC**	Provides compatibility with Lithonia Reloc System (standard with electronic ballast).
	57TRT[1,3]	**8B3**	Black baffle	**8LB4**	Black baffle, fresnel lens[4]		**WLP**	35K Lamp (shipped separately).
		8B3W	White baffle	**8LF73**	White splay, tempered prismatic lens[4]		**TRW**	White flange.
		8W1	White wallwash					
		8W1A	Clear diffuse wallwash	**8LFB73**	Black baffle, tempered prismatic lens[4]			
		8W1AZ	Clear specular wallwash					

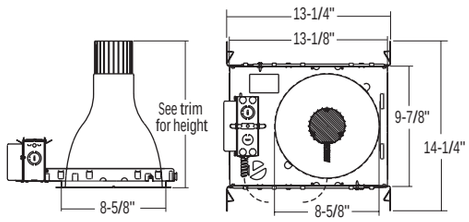
NOTES:
1 Not available with a magnetic ballast.
2 Not available with DMHL or WLP.
3 Not available with 347 or DMHL.
4 Lens removal required before EL testing. Lens door pulls down for EL testing.
5 MVOLT—Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
6 Not available with 57TRT.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) **LP8F 26-42TRT 8O2 MVOLT**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 13) **LP8F 26-42TRT MVOLT** (13 cartons of 1 housing)
(Qty 13) **8O2** (13 cartons of 1 reflector)



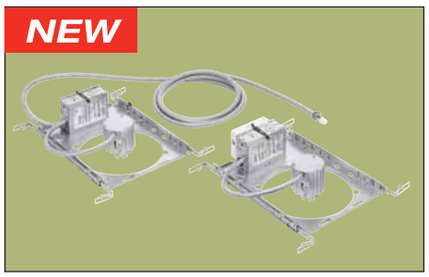
www.lithonia.com, keyword: LP8F

LITHONIA LIGHTING®

8" Vertical Master/Remote Compact Fluorescent

CCR82

1-Lamp, Triple-Tube (TRT)



Non-IC Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1-1/2".*

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Features

Mechanical – Rugged, galvanized steel frame-in with trim retaining clips to secure optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

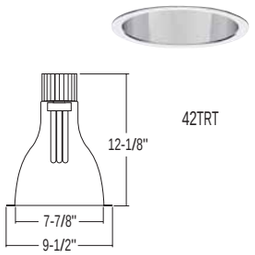
Electrical System – Electronic multi-volt ballast (120V through 277V), multi-wattage (26-42TRT) with end of life protection provided on master fixture. 11-foot inter-connecting cable provided on remote fixture to reduce installation time. Maximum 4 (2 in, 2 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided. Class P thermally protected ballast protects against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

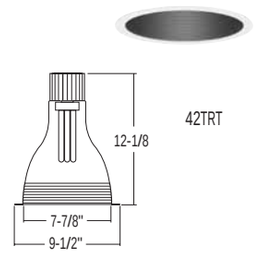
Open reflector

802 White
Other finishes: A/AZ/G/GZ/PR/WTZ



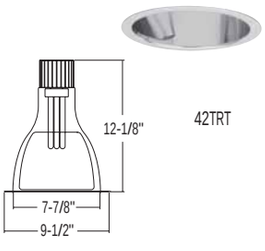
Baffle with specular upper reflector

8B3 Black baffle
Other finishes: W



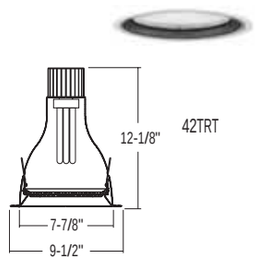
Wallwash with integral kicker

8W1 White
Other finishes: A/AZ/G/GZ/PR/WTZ

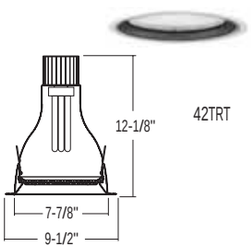


Glass lens

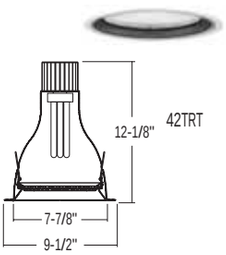
8LF Clear
Trim types: 1/B1



8L Fresnel
Trim types: 4/B4



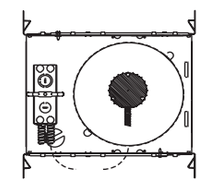
8LF Tempered prismatic
Trim types: 73/B73

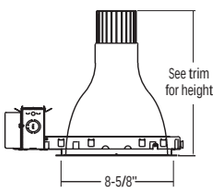


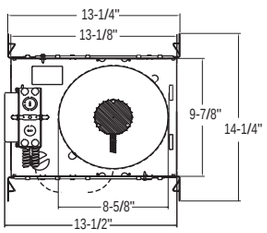
Ordering Information

Example: **CCR82 26-42TRT 802 MVOLT**

Series	Wattage/lamp	Reflector				Wattage	Options	
CCR82	**26-42TRT**[1]	**802**	White open	**8W1G**	Gold diffuse wallwash	**MVOLT**[3]	**EL**	Emergency battery pack with integral test switch.[4]
	26TRT	**802A**	Clear diffuse open	**8W1GZ**	Gold specular wallwash		**ELR**	Emergency battery pack with remote test switch.[4]
	32TRT	**802AZ**	Clear specular open	**8W1PR**	Pewter diffuse wallwash		**GMF**	Single slow-blow fuse.
	42TRT	**802G**	Gold diffuse open	**8W1WTZ**	Wheat specular wallwash		**WLP**	35K Lamp (shipped separately).
		802GZ	Gold specular open	**8LF1**	White splay, clear lens[2]		**TRW**	White flange.
		802PR	Pewter diffuse open	**8LFB1**	Black baffle, clear lens[2]			
		802WTZ	Wheat specular open	**8L4**	White splay, fresnel lens[2]			
		8B3	Black baffle	**8LB4**	Black baffle, fresnel lens[2]			
		8B3W	White baffle	**8LF73**	White splay, tempered prismatic lens[2]			
		8W1	White wallwash					
		8W1A	Clear diffuse wallwash	**8LFB73**	Black baffle, tempered prismatic lens[2]			
		8W1AZ	Clear specular wallwash					







STANDARD PACKAGING
To order, use single master catalog number.
Example: (12) **CCR82 26-42TRT 802 MVOLT**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 12) **CCR82*** (6 cartons of 2 housings)
(Qty 24) **802** (12 cartons of 1 reflector)
*Standard 26-42TRT MVOLT

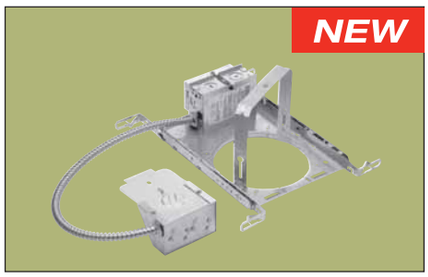
NOTES:
1 Not available with WLP.
2 Lens removal required before EL testing. Lens door pulls down for EL testing.
3 MVOLT – Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
4 Emergency lamp on master unit only.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches .

Non-IC Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1-1/2". Consult factory for thicker ceiling applications.*

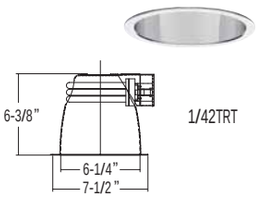
LF6

1- Lamp, Triple-Tube (TRT)



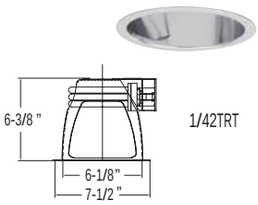
Open reflector

F6O1 White
Other finishes: A/AZ/G/GZ/PR/WTZ



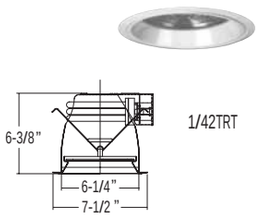
Wallwash with integral kicker

F6W4 White
Other finishes: A/AZ/G/GZ/PR/WTZ

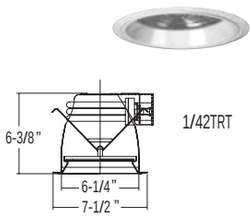


Glass lens

F6LS White
Trim types: 4



F6LS Tempered prismatic
Trim types: 73



Intended Use

New construction applications requiring high performance horizontal reflectors using compact fluorescent lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with adjustable integral yoke to retain optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

Electrical System – Electronic multi-volt ballast, 120V through 277V with end of life protection. Maximum 8 (4 in, 4 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided. Class P thermally protected ballast protects against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

Ordering Information

Example: **LF6 1/26-42TRT F6O1A MVOLT**

Series	Wattage/lamp	Reflector				Voltage	Options	
LF6	**1/26-42TRT**[1]	**F6O1**	White	**F6W4G**	Gold diffuse wallwash	**MVOLT**[3]	**GEB10**	Generic electronic ballast, THD (total harmonic distortion) <10%.
	1/26TRT	**F6O1A**	Clear diffuse open	**F6W4GZ**	Gold specular wallwash	**120**	**ADEZ**	Advance Mark 10™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
	1/32TRT	**F6O1AZ**	Clear specular open	**F6W4PR**	Pewter diffuse wallwash	**277**	**DMHL**	Lutron Compact SE™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
	1/42TRT	**F6O1G**	Gold diffuse open	**F6W4WTZ**	Wheat specular wallwash	**347**	**EL**	Emergency battery pack with integral test switch.
		F6O1GZ	Gold specular open	**F6LS4**	White splay, white lens[2]		**ELR**	Emergency battery pack with remote test switch.
		F6O1PR	Pewter diffuse open	**F6LS73**	White splay, tempered prismatic lens[2]		**GMF**	Single slow-blow fuse.
		F6O1WTZ	Wheat specular open				**WLP**	35K Lamp (shipped separately).
		F6W4	White wallwash				**TRW**	White flange.
		F6W4A	Clear diffuse wallwash					
		F6W4AZ	Clear specular wallwash					

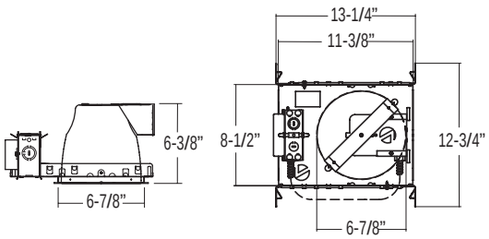
NOTES:
1 Not available with DMHL or WLP.
2 Lens removal required before EL testing. Lens door pulls down for EL testing.
3 MVOLT – Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) **LF6 1/26-42TRT F6O1A MVOLT**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 13) **LF6 1/26-42TRT MVOLT** (13 cartons of 1 housing)
(Qty 13) **F6O1A** (13 cartons of 1 reflector)

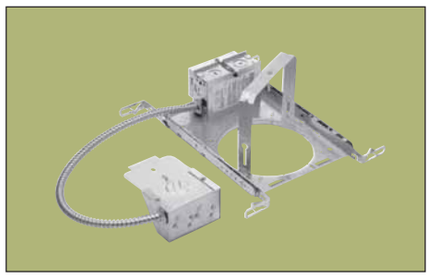


www.lithonia.com, keyword: LF6 1 TRT

6" Horizontal Compact Fluorescent

LF6

2-Lamp, Double Twin-Tube (DTT)



Non-IC Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1-1/2". Consult factory for thicker ceiling applications.*

Intended Use

New construction applications requiring high performance horizontal reflectors using compact fluorescent lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with adjustable integral yoke to retain optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

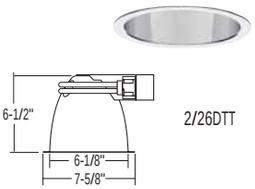
Electrical System – Electronic multi-volt ballast, 120V through 277V with end of life protection. Maximum 8 (4 in, 4 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided. Class P thermally protected ballast protects against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

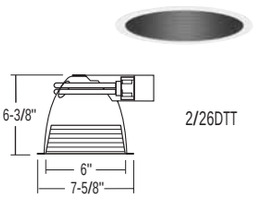
Open reflector

F6O2 White
Other finishes: A/AZ/G/GZ/PR/WTZ



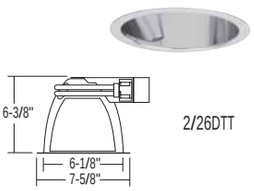
Baffle with specular upper reflector

F6B3 Black baffle
Other finishes: W



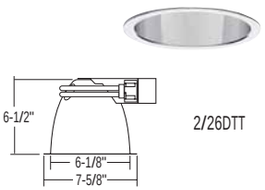
Wallwash with integral kicker

F6W1 White
Other finishes: A/AZ/G/GZ/PR/WTZ



Open cone

F6C3
Other finishes: BLZ



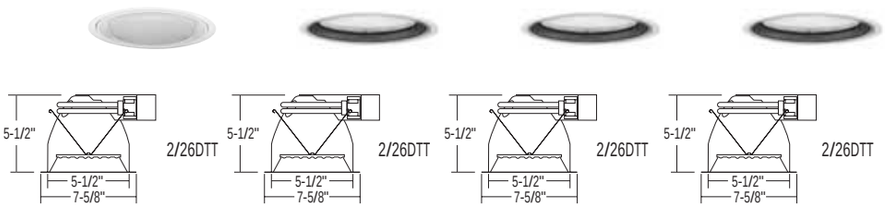
Glass lens

F6LD Drop opal
Trim types: 3/B3

F6LF White
Trim types: 3/B3

F6L Fresnel
Trim types: 4/B4

F6LF Tempered prismatic
Trim types: 73/B73

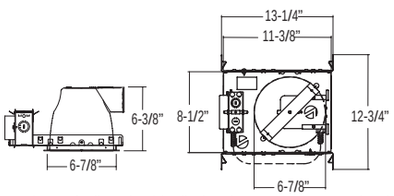


Ordering Information

Example: **LF6 2/26DTT F6O2 MVOLT**

Series	Wattage/lamp	Reflector				Voltage	Options	
LF6	**2/18DTT**	**F6O2**	White open	**F6W1GZ**	Gold specular wallwash	**MVOLT**[2]	**GEB10**	Generic electronic ballast, THD (total harmonic distortion) <10%.
	2/26DTT	**F6O2A**	Clear diffuse open	**F6W1PR**	Pewter diffuse wallwash	**120**	**ADEZ**	Advance Mark 10™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
		F6O2AZ	Clear specular open	**F6W1WTZ**	Wheat specular wallwash	**277**	**DMHL**	Lutron Compact SE™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
		F6O2G	Gold diffuse open	**F6C3BLZ**	Black specular open cone	**347**	**LRC**	Provides compatibility with Lithonia Reloc System.
		F6O2GZ	Gold specular open	**F6LD3**	White splay, drop opal lens[1]		**EL**	Emergency battery pack with integral test switch.[3]
		F6O2PR	Pewter diffuse open	**F6LDB3**	Black baffle, drop opal lens[1]		**ELR**	Emergency battery pack with remote test switch.[3]
		F6O2WTZ	Wheat specular open	**F6LF3**	White splay, white lens[1]		**GMF**	Single slow-blow fuse.
		F6B3	Black baffle	**F6LFB3**	Black baffle, white lens[1]		**WLP**	35K lamp (shipped separately).
		F6B3W	White baffle	**F6L4**	White splay, fresnel lens[1]		**TRW**	White flange.
		F6W1	White wallwash	**F6LB4**	Black baffle, fresnel lens[1]			
		F6W1A	Clear diffuse wallwash	**F6LF73**	White splay, tempered prismatic lens[1]			
		F6W1AZ	Clear specular wallwash	**F6LFB73**	Black baffle, tempered prismatic lens[1]			
		F6W1G	Gold diffuse wallwash					

NOTES:
1. Lens removal required before EL testing. Lens door pulls down for EL testing.
2. MVOLT – Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
3. Not available with a magnetic ballast.



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) **LF6 2/26DTT F6O2 MVOLT**

Fixtures ship as multiple componentss using optimized packaging. Example above ships as:

(Qty 13) **LF6 2/26DTT MVOLT** (13 cartons of 1 housing)
(Qty 13) **F6O2** (13 cartons of 1 reflector)

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

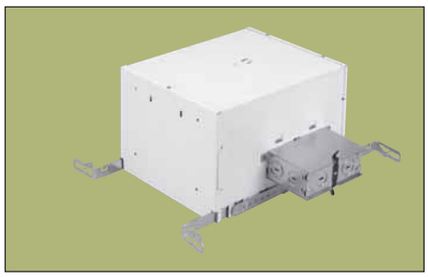
Description
LF6 2/26DTT MVOLT
F6O2AZ

www.lithonia.com, keyword: LF6 2 DTT

IC Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1/2". Consult factory for thicker ceiling applications.*

LIF6

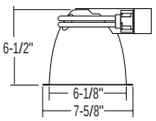
2-Lamp, Double Twin-Tube (DTT)



Open reflector

F6O2 White
Other finishes: A/AZ/G/GZ/PR/WTZ



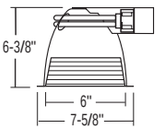


2/26DTT

Baffle with specular upper reflector

F6B3 Black baffle
Other finishes: W



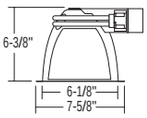


2/26DTT

Wallwash with integral kicker

F6W1 White
Other finishes: A/AZ/G/GZ/PR/WTZ



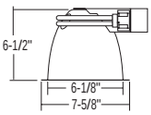


2/26DTT

Open cone

F6C3
Other finishes: BLZ



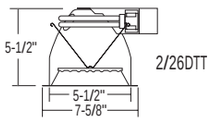


2/26DTT

Glass lens

F6LD Drop opal
Trim types: 3/B3

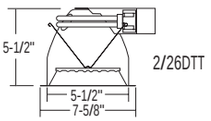




2/26DTT

F6LF White
Trim types: 3/B3

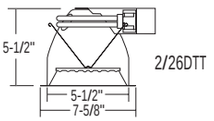




2/26DTT

F6L Fresnel
Trim types: 4/B4

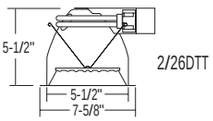




2/26DTT

F6LF Tempered prismatic
Trim types: 73/B73





2/26DTT

Intended Use

New construction applications requiring high performance horizontal reflectors using compact fluorescent lamps.

Features

Mechanical – Pre-painted, rugged steel frame-in with adjustable integral yoke to retain optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

Electrical System – Encased and potted, normal power factor (NPF) electromagnetic ballast only. Maximum 4 (2 in, 2 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided. Class P thermally protected ballast protects against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

Ordering Information

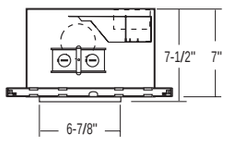
Example: **LIF6 2/13DTT F6O2 120**

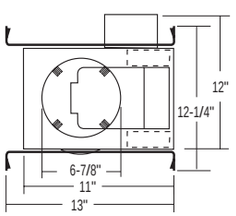
Series	Wattage/lamp	Reflector				Voltage	Options	
LIF6	**2/13DTT**	**F6O2**	White open	**F6W1PR**	Pewter diffuse wallwash	**120**	**LRC**	Provides compatibility with Lithonia Reloc System.
		F6O2A	Clear diffuse open	**F6W1WTZ**	Wheat specular wallwash		**GMF**	Single slow-blow fuse.
		F6O2AZ	Clear specular open	**F6C3BLZ**	Black specular open cone		**WLP**	35K lamp (shipped separately).
		F6O2G	Gold diffuse open	**F6LD3**	White splay, drop opal lens		**TRW**	White flange.
		F6O2GZ	Gold specular open	**F6LDB3**	Black baffle, drop opal lens			
		F6O2PR	Pewter diffuse open	**F6LF3**	White splay, white lens			
		F6O2WTZ	Wheat specular open	**F6LFB3**	Black baffle, white lens			
		F6B3	Black baffle	**F6L4**	White splay, fresnel len			
		F6B3W	White baffle	**F6LB4**	Black baffle, fresnel lens			
		F6W1	White wallwash	**F6LF73**	White splay, tempered prismatic lens			
		F6W1A	Clear diffuse wallwash					
		F6W1AZ	Clear specular wallwash	**F6LFB73**	Black baffle, tempered prismatic lens			
		F6W1G	Gold diffuse wallwash					
		F6W1GZ	Gold specular wallwash					

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) **LIF6 2/13DTT F6O2 120**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 13) **LIF6 2/13DTT 120** (13 cartons of 1 housing)
(Qty 13) **F6O2** (13 cartons of 1 reflector)



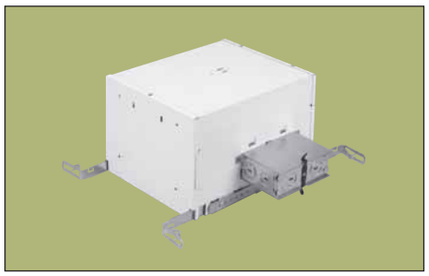


Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

www.lithonia.com, keyword: LIF6

LI6F

1-Lamp, Double Twin-Tube (DTT) or Triple-Tube (TRT)



IC-Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1/2". Consult factory for thicker ceiling applications.*

Intended Use

New construction applications requiring high performance vertical reflectors using compact fluorescent lamps.

Features

Mechanical – Pre-painted, rugged steel frame-in with trim retaining clips to secure optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

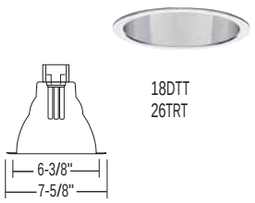
Electrical System – Electronic multi-volt ballast, 120V through 277V with end of life protection. Maximum 6 (3 in, 3 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided. Class P thermally protected ballast protects against improper contact with insulation and approved for through-branch circuit wiring. Poke-home connector standard.

Listings

UL Listed to U.S. and Canadian safety standards.

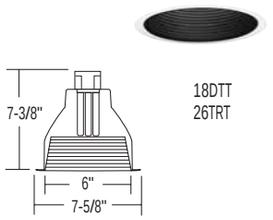
Open reflector

6O8 White
Other finishes: A/AZ/G/GZ/PR/WTZ



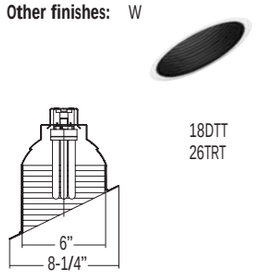
Baffle with diffuse upper reflector

6B3 Black baffle
Other finishes: W



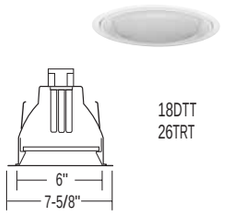
Sloped baffle (narrow flange)

6SB1 Black
Other finishes: W

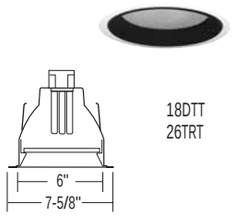


Glass lens

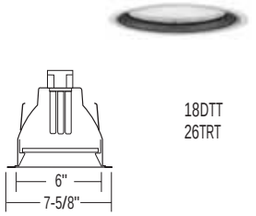
6LD Drop opal
Trim types: 3/B3



6LF White
Trim types: 3/B3



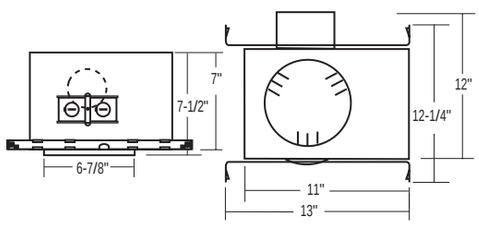
6L Fresnel
Trim types: 4/B4



Ordering Information

Example: **LI6F 26/32TRT 6O8A MVOLT**

Series	Wattage/lamp	Reflector				Voltage	Options	
LI6F	**18DTT**	**6O8**	White open	**6SB1**	Sloped black baffle	**MVOLT**[3]	**ADEZ**	Advance Mark 10™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
	18DTT/TRT[1,2]	**6O8A**	Clear diffuse open	**6SB1W**	Sloped white baffle	**120**	**GMF**	Single slow-blow fuse.
	18TRT	**6O8AZ**	Clear specular open	**6LD3**	White splay, drop opal lens	**277**	**AT**	Sealed airtight housing to minimize air flow through rough-in. Complies with WSEC and certified per ASTM E283.
	26/32TRT[1]	**6O8G**	Gold diffuse open	**6LDB3**	Black baffle, drop opal lens	**347**	**WLP**	35K lamp (shipped separately).
	26TRT	**6O8GZ**	Gold specular open	**6LF3**	White splay, white lens		**TRW**	White flange.
	32TRT	**6O8PR**	Pewter diffuse open	**6LFB3**	Black baffle, white lens			
		6O8WTZ	Wheat specular open	**6L4**	White splay, fresnel lens			
		6B3	Black baffle	**6LB4**	Black baffle, fresnel lens			
		6B3W	White baffle					



STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) **LI6F 26/32TRT 6O8A MVOLT**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

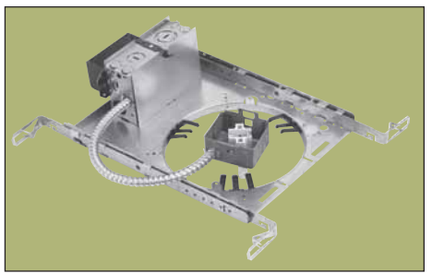
(Qty 13) **LI6F 26/32TRT MVOLT** (13 cartons of 1 housing)
(Qty 13) **6O8A** (13 cartons of 1 reflector)

NOTES:
1 Not available with WLP.
2 Not available with ADEZ.
3 MVOLT – Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches .

LP6F

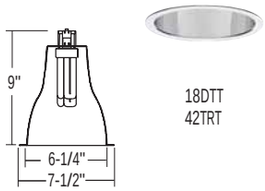
1-Lamp, Double Twin-Tube (DTT) or Triple-Tube (TRT)



Non-IC Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1-1/2". Consult factory for thicker ceiling applicatons.*

Open reflector

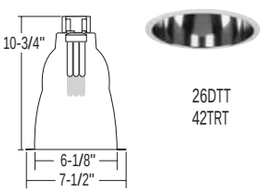
6O7 White
Other finishes: A/AZ/G/GZ/PR/WTZ



18DTT
42TRT

Open reflector multiplier

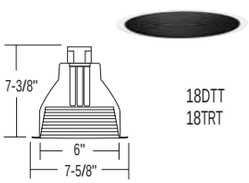
6M1
Other finishes: AZ/GZ/BLZ



26DTT
42TRT

Baffle with diffuse upper reflector

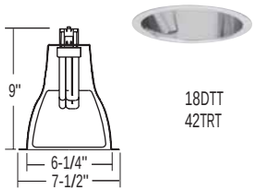
6B3 Black
Other finishes: W



18DTT
18TRT

Wallwash with integral kicker

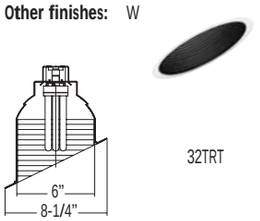
6W7 White
Other finishes: A/AZ/G/GZ/PR/WTZ



18DTT
42TRT

Sloped baffle (narrow flange)

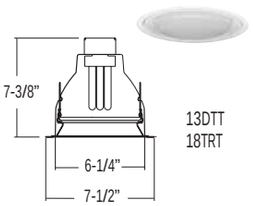
6SB1 Black
Other finishes: W



32TRT

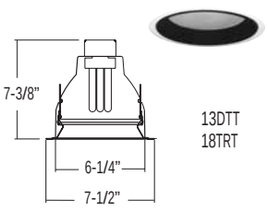
Glass lens

6LF White
Trim types: 3/B3



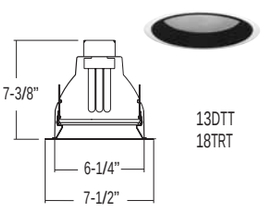
13DTT
18TRT

6LF White
Trim types: 3/B3



13DTT
18TRT

6L Fresnel
Trim types: 4/B4



13DTT
18TRT

Intended Use

New construction applications requiring high performance vertical reflectors using compact fluorescent lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with trim retaining clips to secure optical system. Socket attaches to to reflector to ensure proper and consistent lamp position. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

Electrical System – Electronic multi-volt ballast, 120V through 277V with end of life protection. Maximum 4 (2 in, 2 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided. Class P thermally protected ballast protects against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

Ordering Information

Example: **LP6F 26-42TRT 6O7A MVOLT**

Series	Wattage/lamp	Reflector				Voltage	Options	
LP6F	**13DTT**[1]	**6O7**	White open	**6W7A**	Clear diffuse wallwash	**MVOLT**[5]	**GEB10**	Generic electronic ballast, THD (total harmonic distortion) <10%.
	18DTT	**6O7A**	Clear diffuse open	**6W7AZ**	Clear specular wallwash	**120**	**HPF**	Electromagnetic high power factor (90% power factor 120V, 277V or 347V).
	26DTT	**6O7AZ**	Clear specular open	**6W7G**	Gold diffuse wallwash	**277**	**ADEZ**	Advance Mark 10™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
	13TRT[1,2]	**6O7G**	Gold diffuse open	**6W7GZ**	Gold specular wallwash	**347**	**DMHL**	Lutron Compact SE™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%.
	18DTT/TRT[2,3]	**6O7GZ**	Gold specular open	**6W7PR**	Pewter diffuse wallwash		**LRC**	Provides compatibility with Lithonia Reloc System (standard with electronic ballast).
	26-42TRT[2,3]	**6O7PR**	Pewter diffuse open	**6W7WTZ**	Wheat specular wallwash		**EL**	Emergency battery pack with integral test switch.[2]
	18TRT[2]	**6O7WTZ**	Wheat specular open	**6SB1**	Sloped black baffle		**ELR**	Emergency battery pack with remote test switch.[2]
	26TRT[2]	**6M1AZ**	Clear specular multiplier	**6SB1W**	Sloped white baffle		**GMF**	Single slow-blow fuse.
	32TRT[2]	**6M1GZ**	Gold specular multiplier	**6LD3**	White splay, drop opal lens[4]		**WLP**	35K lamp (shipped separately).
	42TRT[2]	**6M1BLZ**	Black specular multiplier	**6LDB3**	Black baffle, drop opal lens[4]		**TRW**	White flange.
		6B3	Black baffle	**6LF3**	White splay, white lens[4]			
		6B3W	White baffle	**6LFB3**	Black baffle, white lens[4]			
		6W7	White wallwash	**6L4**	White splay, fresnel lens[4]			
				6LB4	Black baffle, fresnel lens[4]			

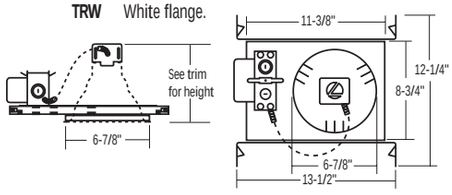
NOTES:
1 Not available with ADEZ or DMHL.
2 Not available with a magnetic ballast.
3 Not available with DMHL or WLP.
4 Lens removal required before EL testing. Lens door pulls down for EL testing.
5 MVOLT – Electronic multi-volt ballast capable of operating any line voltage from 120-277, 50 or 60Hz.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches .

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) **LP6F 26-42TRT 6O7A MVOLT**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 13) **LP6F 26-42TRT MVOLT** (13 cartons of 1 housing)
(Qty 13) **6O7A** (13 cartons of 1 reflector)

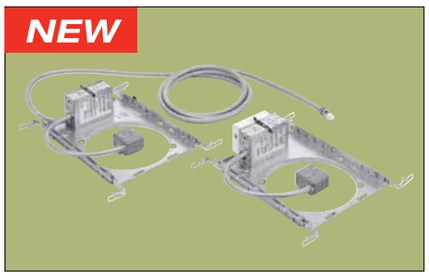


www.lithonia.com, keyword: LP6F

LITHONIA LIGHTING®

CCR62

1-Lamp, Triple-Tube (TRT)



Non-IC-Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1/2". Consult factory for thicker ceiling applications.*

Intended Use

New construction applications requiring high performance vertical reflectors using compact fluorescent lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with trim retaining clips to secure optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

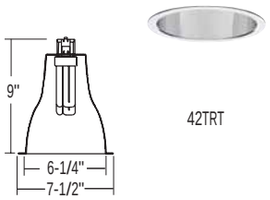
Electrical System – Electronic multi-volt ballast (120V through 277V), multi-wattage (26-42TRT) with end of life protection provided on master fixture. 11-foot inter-connecting cable provided on remote fixture to reduce installation time. Maximum 4 (2 in, 2 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided. Class P thermally protected ballast protects against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

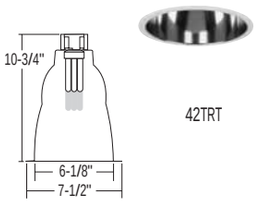
Open reflector

6O7 White
Other finishes: A/AZ/G/GZ/PR/WTZ



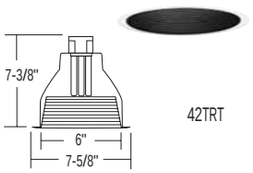
Open reflector Mutlitplier

6M1
Other finishes: AZ/GZ/BLZ



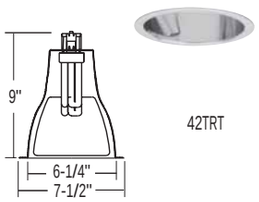
Baffle with diffuse upper reflector

6B3 Black
Other finishes: W



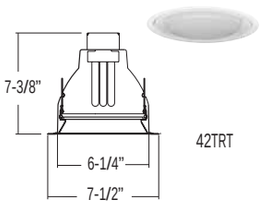
Wallwash with integral kicker

6W7 White
Other finishes: A/AZ/G/GZ/PR/WTZ

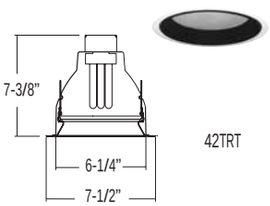


Glass lens

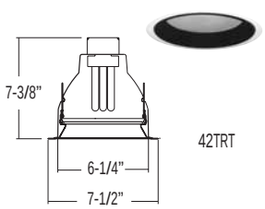
6LF White
Trim types: 3/B3



6LF White
Trim types: 3/B3



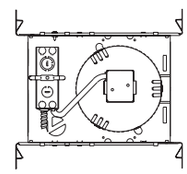
6L Fresnel
Trim types: 4/B4

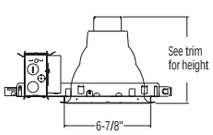


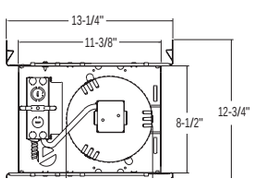
Ordering Information

Example: **CCR62 26-42TRT 6O7A MVOLT**

Series	Wattage/lamps	Reflector				Voltage	Options	
CCR62	26-42TRT[1]	6O7	White open	6W7A	Clear diffuse wallwash	MVOLT[3]	EL	Emergency battery pack with remote test switch.
	26TRT	6O7A	Clear diffuse open	6W7AZ	Clear specular wallwash		ELR	Emergency battery pack with remote test switch.
	32TRT	6O7AZ	Clear specular open	6W7G	Gold diffuse wallwash		GMF	Single slow-blow fuse.
	42TRT	6O7G	Gold diffuse open	6W7GZ	Gold specular wallwash		WLP	35K lamp (shipped separately).
		6O7GZ	Gold specular open	6W7PR	Pewter diffuse wallwash		TRW	White flange.
		6O7PR	Pewter diffuse open	6W7WTZ	Wheat specular wallwash			
		6O7WTZ	Wheat specular open	6LD3	White splay, opal lens[2]			
		6M1AZ	Clear specular multiplier	6LDB3	Black baffle, opal lens[2]			
		6M1GZ	Gold specular multiplier	6LF3	White splay, white lens[2]			
		6M1BLZ	Black specular multiplier	6LFB3	Black baffle, white lens[2]			
		6B3	Black baffle	6L4	White splay, fresnel lens[2]			
		6B3W	White baffle	6LB4	Black baffle, fresnel lens[2]			
		6W7	White wallwash					







STANDARD PACKAGING
To order, use single master catalog number.
Example: (12) **CCR62 26-42TRT 6O7A MVOLT**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 12) **CCR62*** (6 cartons of 2 housings)
(Qty 24) **6O7A** (24 cartons of 1 reflector)
*Standard 26-42TRT MVOLT

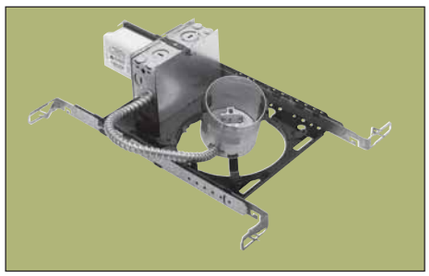
NOTES:
1 Not available with WLP.
2 Lens removal required before EL testing. Lens door pulls down for EL testing.
3 MVOLT – Electronic multi-volt ballast capable of operating any line voltage from 120-277, 50 or 60Hz.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches .

Non-IC Rated Full Reflectors *– All reflectors are damp location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1/2". Consult factory for thicker ceiling applications.*

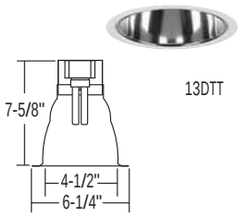
LQJ

1-Lamp, Double Twin-Tube (DTT)



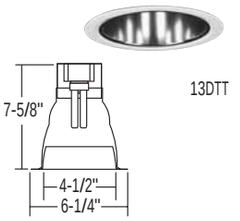
Open reflector

JO1 White
Other finishes: AZ/GZ



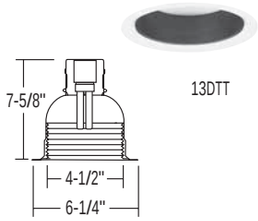
Open cone

JC1
Other finishes: AZ/GZ/BLZ



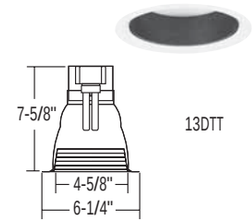
Premium metal baffle

JB1 White reflector/ black baffle
Other finishes: W



Baffle

JB4 White reflector/ black baffle
Other finishes: W/C/G



Intended Use

New construction applications requiring high performance vertical reflectors using compact fluorescent lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with trim retaining clips to secure optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

Electrical System – Normal power factor (NPF) ballast standard. Electronic multi-volt ballast, 120V through 277V with end of life protection. Maximum 8 (4 in, 4 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided. Class P thermally protected ballast protects against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

Ordering Information

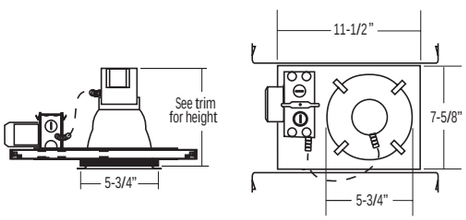
Example: **LQJ 13DTT JO1 120**

Series	Wattage/lamp	Reflector		Voltage	Options	
LQJ	**13DTT**	**JO1**	White open reflector	**120**	**GEB10**	Generic electronic ballast, THD (total harmonic distortion) <10%.
		JO1AZ	Clear specular open reflector	**277**	**HPF**	High power factor (90% power factor).
		JO1GZ	Gold specular open reflector	**347**	**GMF**	Single slow-blow fuse.
		JC1AZ	Clear specular cone		**LRC**	Provides compatibility with Lithonia Reloc System.
		JC1GZ	Gold specular cone		**WLP**	35K lamp (shipped separately).
		JC1BLZ	Black specular cone			
		JB1	White reflector/black baffle			
		JB1W	White reflector/white baffle			
		JB4	White reflector/black baffle			
		JB4W	White reflector/white baffle			
		JB4C	White reflector/chrome baffle			
		JB4G	White reflector/gold baffle			

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) **LQJ 13DTT JO1 120**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 13) **LQJ 13DTT 120** (13 cartons of 1 housing)
(Qty 13) **JO1** (13 cartons of 1 reflector)



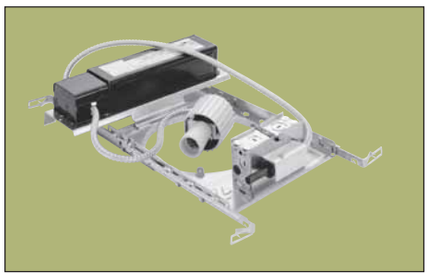
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches .

www.lithonia.com, keyword: LQJ

8" Vertical HID

LP8H

Non-IC-Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1/2". Consult factory for thicker ceiling applications.*



Intended Use

New construction applications requiring high performance vertical reflectors using HID lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with trim retaining clips to secure optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

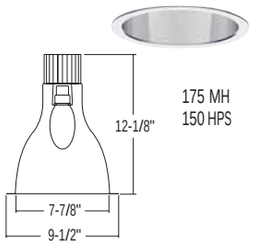
Electrical System – Metal halide frame-ins have safety sockets standard and accept only safety lamps (open rated reflectors). For enclosed reflectors, ENCL must be specified. High-pressure sodium and metal halide durable porcelain socket with nickel-plated alloy screw shell and contact. Sockets are pulse rated. Encased-and-potted, high power factor (HPF), dual-tab, 120/277V ballast is standard. Electronic 120,277V ballast available. Thermally protected against improper contact with insulation and approved for through-branch circuit wiring. Socket attaches to reflector with pre-mounted screws to ensure proper and consistent lamp position. Die-cast aluminum lampholder housing. Designed for effective heat dissipation and positive light center positioning.

Listings

UL Listed to U.S. and Canadian safety standards.

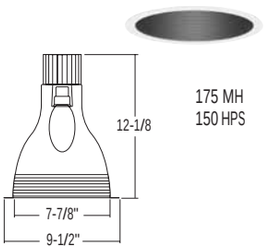
Open reflector

802 White
Other finishes: A/AZ/G/GZ/PR/WTZ



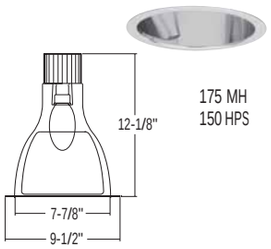
Baffle with specular upper reflector

8B3 Black baffle
Other finishes: W



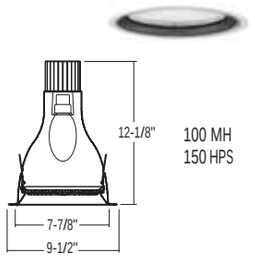
Wallwash with integral kicker

8W1 White
Other finishes: A/AZ/G/GZ/PR/WTZ

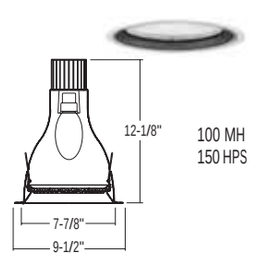


Glass lens with specular upper reflector

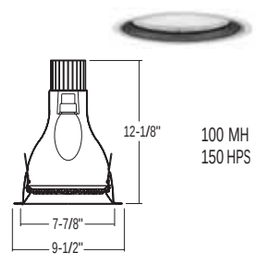
8LF Clear
Trim types: 1/B1



8L Fresnel
Trim types: 4/B4



8LF Tempered prismatic
Trim types: 73/B73



Ordering Information

Example: **LP8H 50M 8O2 120/277**

Series

LP8H

Wattage/lamp[1]

Metal Halide[2]

50M	50W MP50/C/U/MED
70M	70W MP70/C/U/MED
100M	100W MP100/C/U/MED
175M	175W MP175/BU SY[3]

High Pressure Sodium

50S	50W LU50/D/MED[3]
70S	70W LU70/D/MED[3]
100S	100W LU100/D/MED[3]
150S	150W LU150/D/MED[3]

Reflector

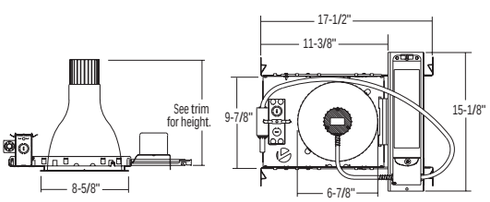
802	White open
802A	Clear diffuse open
802AZ	Clear specular open
802G	Gold diffuse open
802GZ	Gold specular open
802PR	Pewter diffuse open
802WTZ	Wheat specular open
8B3	Black baffle
8B3W	White baffle
8W1	White wallwash
8W1A	Clear diffuse wallwash
8W1AZ	Clear specular wallwash
8W1G	Gold diffuse wallwash
8W1GZ	Gold specular wallwash
8W1PR	Pewter diffuse wallwash
8W1WTZ	Wheat specular wallwash
8LF1	White splay, clear lens
8LFB1	Black baffle, clear lens
8L4	White splay, fresnel lens
8LB4	Black baffle, fresnel lens
8LF73	White splay, tempered prismatic lens
8LFB73	Black baffle, tempered prismatic lens

Voltage

120/277[3]	
120	
277	
347[3]	

Options

HEB	Electronic ballast.
LRC	Provides compatibility with Lithonia Reloc System.
SF	Single fuse. Must specify voltage.
ENCL	Standard medium-base socket. For use when 50, 70, 100 and 150 metal halide frame-in is used with PAR38 metal halide lamps or ceramic metal halide lamps.
TRW	White flange.



STANDARD PACKAGING
To order, use single master catalog number.
Example: (12) **LP8H 50M 802 120/277**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 12) **LP8H 50M 120/277** (12 cartons of 1 housing)
(Qty 12) **802** (12 cartons of 1 reflector)

NOTES:
1 Refer to specification sheet for "with lamp" ordering information.
2 Metal Halide frame-ins have safety sockets standard and accept only safety lamps unless ordered with ENCL option. Ceramic Metal Halide (CMH) lamps must use ENCL option.
3 Not available with HEB.

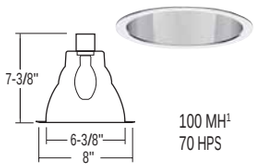
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches .

LP6H

Non-IC-Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1/2". Consult factory for thicker ceiling applications.*

Open reflector

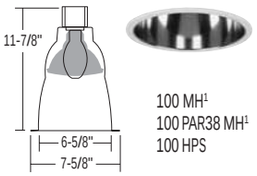
6O8 White
Other finishes: A/AZ/G/GZ/PR/WTZ



100 MH[1]
70 HPS

Open reflector mutlitplier

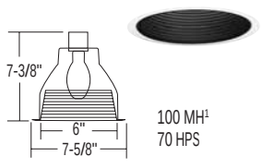
6M1
Other finishes: AZ/GZ/BLZ



100 MH[1]
100 PAR38 MH[1]
100 HPS

Baffle with diffuse upper reflector

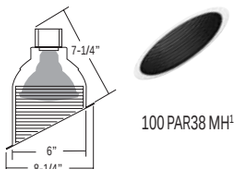
6B3 Black baffle
Other finishes: W



100 MH[1]
70 HPS

Sloped baffle (narrow flange)

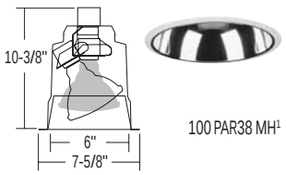
6SB1 Black
Other finishes: W



100 PAR38 MH[1]

Adjustable cone

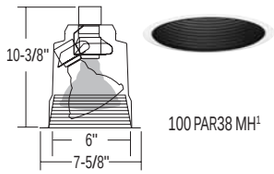
6AC2
Other finishes: AZ/GZ/BLZ



100 PAR38 MH[1]

Adjustable cone with baffle

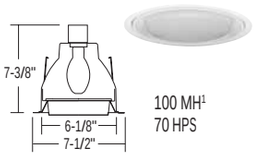
6AB2 Black
Other finishes: W



100 PAR38 MH[1]

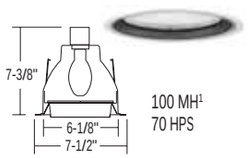
Glass lens

6LD Drop opal
Trim types: 3/B3



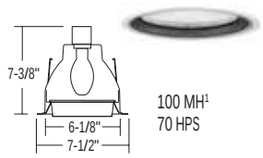
100 MH[1]
70 HPS

6LF White
Trim types: 3/B3

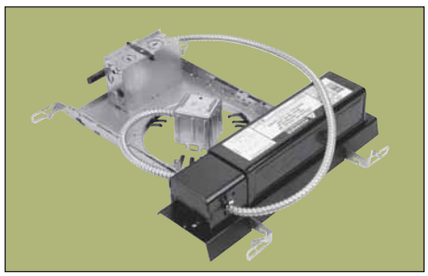


100 MH[1]
70 HPS

6L Fresnel
Trim types: 4/B4



100 MH[1]
70 HPS



Intended Use

New construction applications requiring high performance vertical reflectors using HID lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with trim retaining clips to secure optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

Electrical System – Metal halide frame-ins have safety sockets standard and accept only safety lamps (open rated reflectors). For enclosed reflectors, ENCL must be specified. High-pressure sodium and metal halide durable porcelain socket with nickel-plated alloy screw shell and contact. Sockets are pulse rated. Encased-and-potted, high power factor (HPF), dual-tab, 120/277V ballast is standard. Electronic 120,277V ballast available. Thermally protected against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

Ordering Information

Example: **LP6H 50M 120/277**

Series	Wattage/lamp[2]	Reflector	Volts	Options
LP6H	Metal Halide[3] **50M** 50W MP50/C/U/MED **70M** 70W MP70/C/U/MED **100M** 100W MP100/C/U/MED High Pressure Sodium **35S** 35W LU35/D/MED[4] **50S** 50W LU50/D/MED[4] **70S** 70W LU70/D/MED[4] **100S** 100W LU100/D/MED[4]	**6O8** White open **6O8A** Clear diffuse open **6O8AZ** Clear specular open **6O8G** Gold diffuse open **6O8GZ** Gold specular open **6O8PR** Pewter diffuse open **6O8WTZ** Wheat specular open **6M1AZ** Clear specular multiplier **6M1GZ** Gold specular multiplier **6M1BLZ** Black specular multiplier **6AC2AZ** Clear specular adjustable cone **6AC2GZ** Gold specular adjustable cone **6AC2BLZ** Black specular adjustable cone **6AB2** Black adjustable cone **6AB2W** White adjustable cone **6B3** Black baffle **6B3W** White baffle **6SB1** Sloped black baffle **6SB1W** Sloped white baffle **6LD3** White splay, drop opal lens **6LDB3** Black baffle, drop opal lens **6LF3** White splay, white lens **6LFB3** Black baffle, white lens **6L4** White splay, fresnel lens **6LB4** Black baffle, fresnel lens	**120/277**[4] **120** **277** **347**[4]	**HEB** Electronic ballast. **LRC** Provides compatibility with Lithonia Reloc System. **SF** Single fuse. Must specify voltage. **ENCL** Standard medium-base socket. For use when 50, 70, 100 and 150 metal halide frame-in is used with PAR38 metal halide lamps or ceramic metal halide lamps. **TRW** White flange.

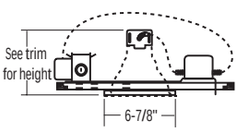
NOTES:
1 Must order ENCL option.
2 Refer to specification sheet for "with lamp" ordering information.
3 Metal Halide frame-ins have safety sockets standard and accept only safety lamps unless ordered with ENCL option.
4 Not available with HEB.

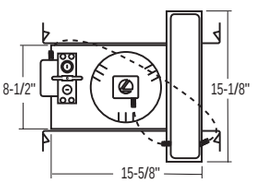
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches .

STANDARD PACKAGING
To order, use single master catalog number.
Example: (12) **LP6H 50M 6O8 120/277**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 12) **LP6H 50M 120/277** (12 cartons of 1 housing)
(Qty 12) **6O8** (12 cartons of 1 reflector)





NOTES: Height measurements shown are for metal halide safety socket. For high pressure sodium and non-safety-socket metal halide, subtract 5/8" from height shown.

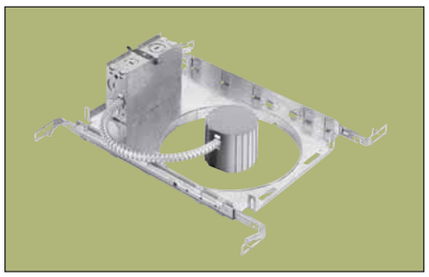
www.lithonia.com, keyword: LP6H

LITHONIA LIGHTING

8" Vertical Incandescent

LP8

Non-IC-Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1-1/2". Consult factory for thicker ceiling applications.*



Intended Use

New construction applications requiring high performance vertical reflectors using incandescent lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with trim retaining clips to secure optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

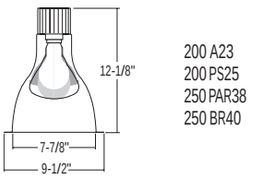
Electrical System – Durable medium-base porcelain socket with nickel-plated copper alloy screw shell and contact. Maximum 4 (2 in, 2 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided.

Listings

UL Listed to U.S. and Canadian safety standards.

Open reflector

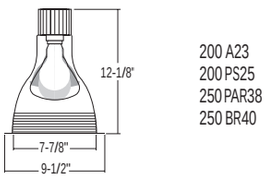
802 White
Other finishes: A/AZ/G/GZ/PR/WTZ



200 A23
200 PS25
250 PAR38
250 BR40

Baffle with specular upper reflector

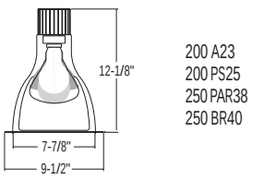
8B3 Black baffle
Other finishes: W



200 A23
200 PS25
250 PAR38
250 BR40

Open wallwash with kicker

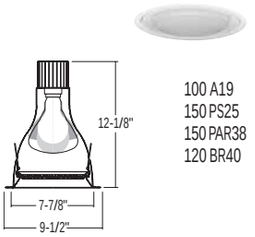
8W1 White
Other finishes: A/AZ/G/GZ/PR/WTZ



200 A23
200 PS25
250 PAR38
250 BR40

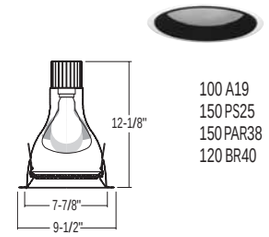
Glass lens

8LF Clear
Trim types: 1/B1



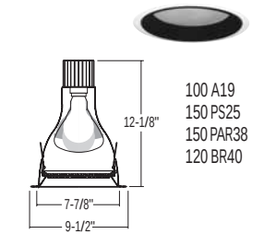
100 A19
150 PS25
150 PAR38
120 BR40

8L Fresnel
Trim types: 4/B4



100 A19
150 PS25
150 PAR38
120 BR40

8LF Tempered prismatic
Trim types: 73/B73



100 A19
150 PS25
150 PAR38
120 BR40

Ordering Information

Example: **LP8 802A**

Series

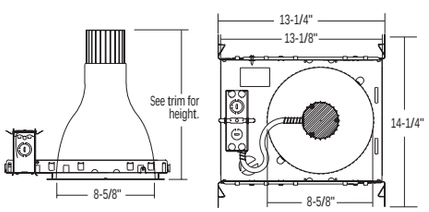
LP8

Reflector

802	White open	**8W1G**	Gold diffuse wallwash
802A	Clear diffuse open	**8W1GZ**	Gold specular wallwash
802AZ	Clear specular open	**8W1PR**	Pewter diffuse wallwash
802G	Gold diffuse open	**8W1WTZ**	Wheat specular wallwash
802GZ	Gold specular open	**8LF1**	White splay, clear lens
802PR	Pewter diffuse open	**8LFB1**	Black baffle, clear lens
802WTZ	Wheat specular open	**8L4**	White splay, fresnel lens
8B3	Black baffle	**8LB4**	Black baffle, fresnel lens
8B3W	White baffle	**8LF73**	White splay, tempered prismatic lens
8W1	White wallwash	**8LFB73**	Black baffle, tempered prismatic lens
8W1A	Clear diffuse wallwash		
8W1AZ	Clear specular wallwash		

Options

SDT	277V stepdown transformer (277V to 120V).
TRW	White flange.



STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) **LP8 802A**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 13) **LP8** (13 cartons of 1 housing)
(Qty 13) **802A** (13 cartons of 1 reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches .

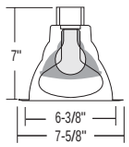
www.lithonia.com, keyword: LP8

LP6

Non-IC-Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1/2". Consult factory for thicker ceiling applications.*

Open reflector

6O8 White
Other finishes: A/AZ/G/GZ/PR/WTZ

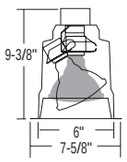


150 A21
150 PAR38
150 BR40

Adjustable cone

6AC2
Other finishes: A/G/BL



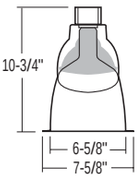


150 PAR38

Open reflector, multiplier

6M1
Other finishes: A/G/BL



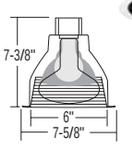


150 A21
250 PAR38
120 BR40

Baffle with specular upper reflector

6B3 Black baffle
Other finishes: W





150 A21
150 PAR38
120 BR40

Sloped baffle

6SB1 Black baffle
Other finishes: W



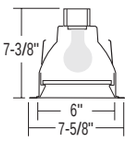


100 PAR38

Glass lens

6LD Drop opal
Trim types: 3/B3

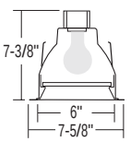




100 A19

6LF Flush white
Trim types: 3/B3

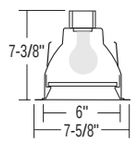




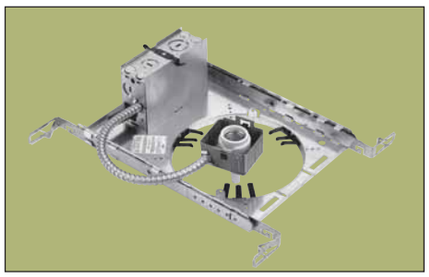
100 A19

6L Fresnel
Trim types: 4/B4





100 A19



Intended Use

New construction applications requiring high performance vertical reflectors using incandescent lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with trim retaining clips to secure optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

Electrical System – Durable medium-base porcelain socket with nickel-plated copper alloy screw shell and contact. Maximum 8 (4 in, 4 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided. Class P thermally protected ballast protects against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

Ordering Information

Example: **LP6 6O8A**

Series	Reflector			
LP6	**6O8**	White open	**6M1G**	Gold specular multiplier
	6O8A	Clear diffuse open	**6M1BL**	Black specular multiplier
	6O8AZ	Clear specular open	**6B3**	Black baffle
	6O8G	Gold diffuse open	**6B3W**	White baffle
	6O8GZ	Gold specular open	**6SB1**	Sloped black baffle
	6O8PR	Pewter diffuse open	**6SB1W**	Sloped white baffle
	6O8WTZ	Wheat specular open	**6LD3**	White splay, drop opal lens
	6AC2A	Clear specular cone	**6LDB3**	Black baffle, drop opal lens
	6AC2G	Gold specular cone	**6LF3**	White splay, flush white lens
	6AC2BL	Black specular cone	**6LFB3**	Black baffle, flush white lens
	6M1A	Clear specular multiplier	**6L4**	White splay, flat fresnel lens
			6LB4	Black baffle, flat fresnel lens

Options	
SDT	277V stepdown transformer (277V to 120V).
TRW	White flange.

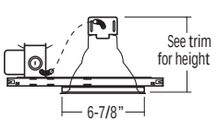
lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

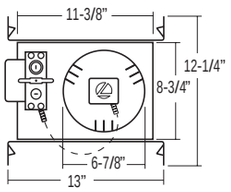
Description
LP6 J6
6O8AZ

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) **LP6 6O8A**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 12) **LP6 J6** (2 cartons of 6 housings)
(Qty 1) **LP6 U** (1 carton of 1 housing)
(Qty 13) **6O8A** (13 cartons of 1 reflector)





Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

www.lithonia.com, keyword: LP6

LITHONIA LIGHTING®

LC6 MRI

Non-IC-Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1/2". Consult factory for thicker ceiling applications.*



Intended Use

New construction applications requiring high performance vertical reflectors using incandescent lamps.

Features

Mechanical – Aluminum housing. Engineering grade thermoplastic frame and junction box with (4) built-in Romex clamps, (5) 7/8" knockouts with pryout slots. Tilt-up captive J-box doors for easy access. Pre-assembled poke-home.

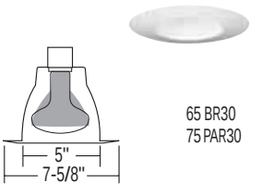
Electrical System – Durable medium-base porcelain socket with nickel-plated copper alloy screw shell and contact. Maximum 4 (2 in, 2 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided.

Listings

UL Listed to U.S. and Canadian safety standards.

Open reflector, wide flange

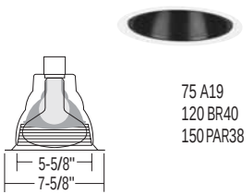
6O1 White



65 BR30
75 PAR30

Baffle, narrow flange

6B4 Black
6B4W White

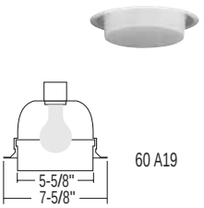


75 A19
120 BR40
150 PAR38

Polycarbonate lens (shower/closet)

Drop

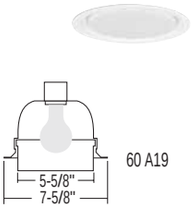
6LD1 Opal[1]
6LD2 Prismatic[1]



60 A19

Flush

6LF1 Opal[1]
6LF2 Prismatic[1]

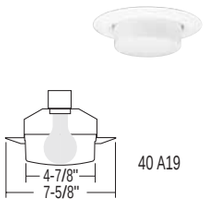


60 A19

Polycarbonate lenses (shower/closet)

Drop

7LD1 Opal



40 A19

Drop, plastic flange

7LD1 PF Opal
7LD2 PF Prismatic



40 A19

Ordering Information

Example: **LC6 MRI 6O1**

Series

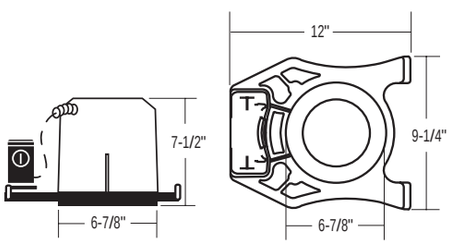
LC6 MRI

Reflector[2]

6O1	White open	**6LF1**	Flush opal plastic[1]
6B4	Black baffle	**6LF2**	Flush prismatic plastic[1]
6B4W	White baffle	**7LD1**	Drop opal metal flange
6LD1	Drop opal plastic[1]	**7LD1 PF**	Drop opal plastic flange
6LD2	Drop prismatic plastic[1]	**7LD2 PF**	Drop prismatic plastic

Options

SDT	277V stepdown transformer (277V to 120V).
TRW	White flange.



STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) **LC6 MRI 6O1**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 13) **LC6 MRI** (13 cartons of 1 housing)
(Qty 12) **6O1 M6** (2 cartons of 6 reflectors)
(Qty 1) **6O1 U** (1 carton of 1 reflector)

NOTES:
1 For plastic flange, add suffix PF to catalog number (Example: 6LD1 PF).
2 For complete reflector selection, refer to specification sheet.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

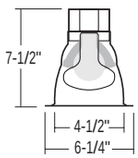
LPJ

Non-IC-Rated Full Reflectors *– All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1/2". Consult factory for thicker ceiling applications.*

Open reflector

JO1 White
Other finishes: A/G



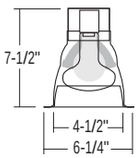


100 A19
75 PAR30
65 BR30

Open cone

JC1
Other finishes: A/G/BL



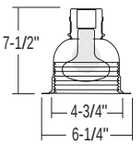


100 A19
75 PAR30
75 BR30

Premium metal baffle

JB1 White reflector/ black baffle
Other finishes: W



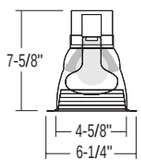


75 A19
75 PAR30
65 BR30

Baffle

JB4 White Reflector/ black baffle
Other finishes: W/C/G



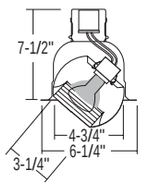


75 A19
75 PAR30
65 BR30

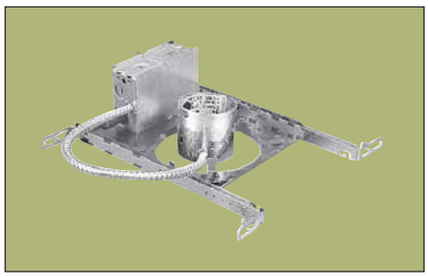
Baffle eyeball

JE1 White sphere and flange w/black baffle
Other finishes: W





50 PAR30
75 R20



Intended Use

New construction applications requiring high performance vertical reflectors using incandescent lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with trim retaining clips to secure optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

Electrical System – Durable medium-base porcelain socket with nickel-plated copper alloy screw shell and contact. Maximum 8 (4 in, 4 out) No. 12 AWG conductor. Rated for 90°C supply wire. Ground wire provided. Class P thermally protected ballast protects against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

Ordering Information

Example: **LPJ JO1**

Series

LPJ

Reflector

JO1	White open
JO1A	Clear specular open
JO1G	Gold specular open
JC1A	Clear specular cone
JC1G	Gold specular cone
JC1BL	Black specular cone
JB1	White reflector/black baffle
JB1W	White reflector/white baffle
JB4	White reflector/black baffle
JB4W	White reflector/white baffle
JB4C	White reflector/chrome baffle
JB4G	White reflector/gold baffle
JE1	White sphere and flange w/black baffle
JE1W	White sphere and flange w/white baffle

Options

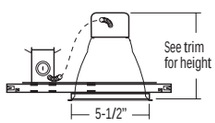
SDT	277V stepdown transformer (277V to 120V).
TRW	White flange.

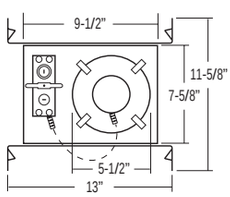
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) **LPJJO1**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

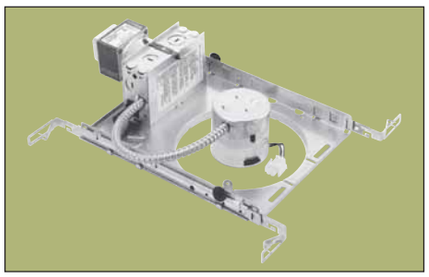
(Qty 12) **LPJJ6** (2 cartons of 6 housings)
(Qty 1) **LPJU** (1 carton of 1 housing)
(Qty 13) **JO1** (13 cartons of 1 reflector)





www.lithonia.com, keyword: LPJ

LV



Non-IC-Rated Full Reflectors *– All reflectors are damp location listed. Lamp types and maximum wattages are listed for each reflector. Maximum ceiling thickness 1/2". Consult factory for thicker ceiling applications.*

Intended Use

New construction applications requiring high performance vertical reflectors using low voltage lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with trim retaining clips to secure optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

Electrical System – Precision-wound step-down transformer with Class H insulation. For dimming control, use dimmers specifically designed for use with electromagnetic transformers. 75W MR16 maximum. Plug-in lamp connectors and snap-in socket cup. Two-pin porcelain socket with heat shield. Maximum 8 (4 in, 4 out) No. 12 AWG conductors. Rated 90°C supply wire. Ground wire provided. Thermally protected against improper contact with insulation and approved for through-branch circuit wiring.

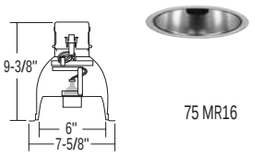
Listings

UL Listed to U.S. and Canadian safety standards.

VM Series Trims (MR16)

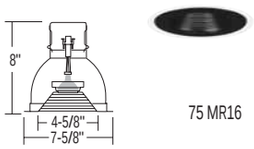
Adjustable cone

VMA2
Other finishes: A/G/BL



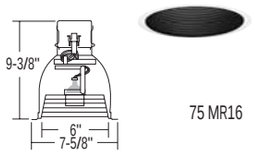
Baffle

VMB4 Black
Other finishes: W



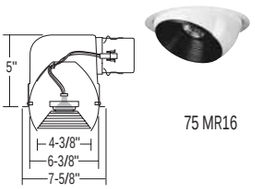
Baffle adjustable

VMA1 Black
Other finishes: W



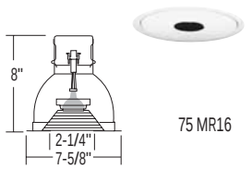
Baffle eyeball

VME4 White sphere/flange eyeball with black baffle
Other finishes: W



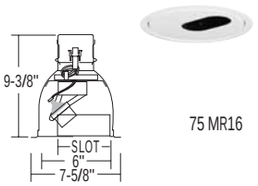
Pinhole

VMS1 White with pinhole faceplate



Slotted aperture

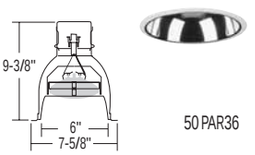
VMA5 White with slotted faceplate



VP Series Trims (PAR36)

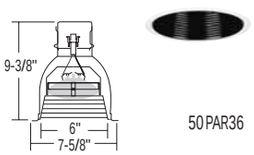
Adjustable cone

VPA2
Other finishes: A/G/BL



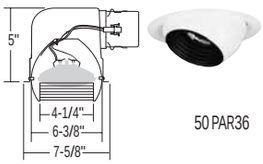
Baffle adjustable

VPA1 Black
Other finishes: W



Baffle eyeball

VPE4 White sphere and flange w/black baffle
Other finishes: W



Ordering Information

Example: **LV VMA2A 120**

Series

LV

Reflector

VM Series Trims (MR16)

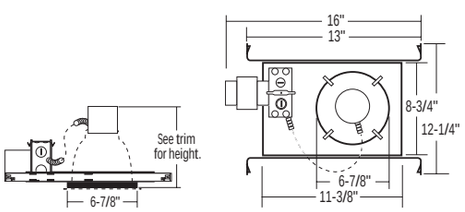
VMA2A	Clear specular adjustable cone
VMA2G	Gold specular adjustable cone
VMA2BL	Black specular adjustable cone
VMB4	Black baffle
VMB4W	White baffle
VMA1	Black baffle adjustable
VMA1W	White baffle adjustable
VME4	Black baffle eyeball
VME4W	White baffle eyeball
VMS1	White pinhole adjustable
VMA5	White slotted adjustable

VP Series Trims (PAR36)

VPA2A	Clear specular adjustable cone
VPA2G	Gold specular adjustable cone
VPA2BL	Black specular adjustable cone
VPA1	Black baffle adjustable
VPA1W	White baffle adjustable
VPE2	Black baffle eyeball
VPE2W	White baffle eyeball

Voltage

120
277
347



STANDARD PACKAGING
To order, use single master catalog number.
Example: (12) **LV VMA2A 120**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 12) **LV 120** (12 cartons of 1 housing)
(Qty 12) **VMA2A** (12 cartons of 1 reflector)

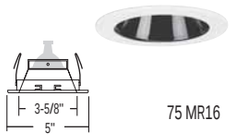
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

LP3V

Non-IC-Rated Reflectors *– All reflectors are damp location listed. Lamp types and maximum wattages are listed for each relfector. Maximum ceiling thickness 2".*

Adjustable cone

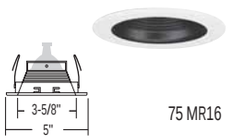
3VO1
Other finishes: AZ/GZ/BLZ



75 MR16

Adjustable with baffle

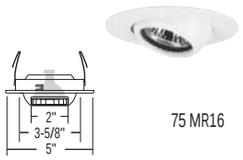
3VB1 Black
Other finishes: W



75 MR16

Standard eyeball

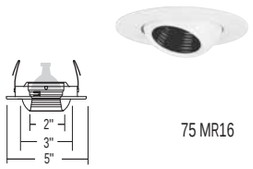
3VE1 White



75 MR16

Standard baffle eyeball

3VE2 Black
Other finishes: W



75 MR16

Eyelid wallwasher

3VW1 White



75 MR16

Directional wallwash

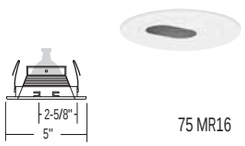
3VDW1W White



75 MR16

Slotted aperture

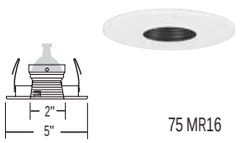
3VA5 White baffle slotted aperture



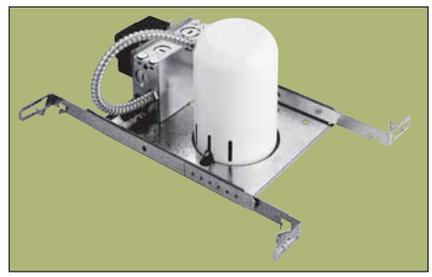
75 MR16

Pinhole

3VS1 White



75 MR16



Intended Use

New construction applications requiring high performance vertical reflectors using low voltage lamps.

Features

Mechanical – Rugged, galvanized steel frame-in with one-piece painted steel can. Retaining clips secure optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, (4) Romex knockouts, (2) 3/4" and (4) 1/2" nominal conduit knockouts with pryout slots.

Electrical System – Precision-wound step-down transformer with Class H insulation. For dimming control, use dimmers specifically designed for use with electromagnetic transformers. 75W MR16 maximum. Two-pin porcelain socket with heat shield. Maximum 8 (4 in, 4 out) No. 12 AWG conductors. Rated 90°C supply wire. Ground wire provided. Thermally protected against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

Ordering Information

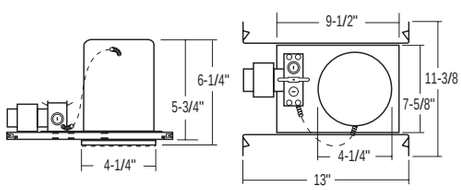
Example: **LP3V 3VO1AZ 120**

Series	Reflector		Voltage
LP3V	**3VO1AZ**	Adjustable clear specular cone	**120**
	3VO1GZ	Adjustable gold specular cone	**277**
	3VO1BLZ	Adjustable black specular cone	**347**
	3VB1	Adjustable with black baffle	
	3VB1W	Adjustable with white baffle	
	3VE1	White eyeball	
	3VE2	Black baffle eyeball	
	3VE2W	White baffle eyeball	
	3VW1	White eyelid wallwasher	
	3VDW1W	White directional wallwash	
	3VA5	White baffle slotted aperture	
	3VS1	White pinhole	

STANDARD PACKAGING
To order, use single master catalog number.
Example: (12) **LP3V 3VO1AZ 120**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 12) **LP3V 120** (12 cartons of 1 housing)
(Qty 12) **3VO1AZ** (12 cartons of 1 reflector)



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

www.lithonia.com, keyword: LP3V

Wet Location Steplights

WSL1F

Non-IC Rated *– These steplights can be used in indoor or outdoor wet locations using lamps and wattages listed.*



Louvered faceplate		Slotted faceplate		Opal faceplate	
FPL	White	**FPS**	White	**FPO**	White
FPLBL	Black	**FPSBL**	Black	**FPOBL**	Black
9DTT 13DTTE		9DTT 13DTTE		9DTT 13DTTE	



Intended Use

Rated Non-IC for new construction in indoor applications or outdoor wet locations, such as courtyards and pathways.

Features

Mechanical – Aluminum die-cast, white powder coat paint, corrosion-resistant housing. Louvered, slotted, and open faceplates available. Die-cast powder coat painted faceplates are available in white or black finish. Faceplates are shipped separately.

Electrical System – 9DTT - Encased and potted, high power factor (HPF) electromagnetic ballast standard (120V only). 13DTTE - High power factor (HPF), -20°F to 158°F, instant start electromagnetic ballast standard (120V or 277V). One electrical conduit fitting and one plug provided. Electrical conduit fitting for wet location in wood construction, masonry and poured concrete applications.

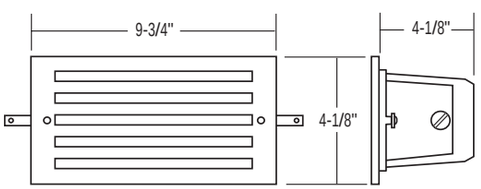
Listings

UL Listed to U.S. and Canadian safety standards.

Ordering Information

Example: **WSL1F 9DTT FPLBL 120**

Series	Wattage/lamp	Faceplates		Voltage
WSL1F	**9DTT**[1]	**FPL**	White louvered	**120**
	13DTTE[2]	**FPLBL**	Black louvered	**277**
		FPS	White slotted	
		FPSBL	Black slotted	
		FPO	White opal	
		FPOBL	Black opal	



STANDARD PACKAGING
To order, use single master catalog number.
Example: (12) **WSL1F 9DTT FPLBL 120**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 12) **WSL1F 9DTT 120** (12 cartons of 1 housing)
(Qty 12) **FPLBL** (12 cartons of 1 faceplate)

NOTES:
1 120V only.
2 Electronic ballast standard.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

Options

These options must be ordered with housing or frame-in.

Electronic ballast

GEB10 Generic electronic ballast. <10% THD (total harmonic distortion). Requires four-pin lamp.

MVOLT Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60 Hz.

HEB Electronic HID ballast. 120V or 277V, 50 or 60 HZ. THD <15%. PF>0.90.

Magnetic ballast

HPF High power factor magnetic ballast, 90% power factor.

Electronic dimming ballast

ADEZ Advance Mark 10™ electronic ballast, 120V or 277V. Requires four-pin lamp (18DTT, 26DTT, 18TRT, 26TRT, 32TRT, 42TRT or 57TRT only). Minimum dimming level 5%.

DMHL Lutron Compact SE™ electronic dimming ballast, 120V or 277V. Requires four-pin lamp (18DTT, 26DTT, 18TRT, 26TRT, 32TRT or 42TRT only.) Minimum dimming level 5%.

Stepdown transformer

SDT 277V stepdown transformer (277V to 120V). For use with incandescent fixtures (maximum 300 watts).

Fusing

GMF Single slow-blow fuse. For use with fluorescent fixtures only.

SF Single fuse (120V, 277V or 347V only).

Emergency

EL Emergency battery pack with integral test switch. Operates one four-pin lamp in emergency mode with battery back-up in case of power disruption. Not available with a magnetic ballast. Consult factory.

ELR Emergency battery pack with remote test switch. Operates one four-pin lamp in emergency mode with battery back-up in case of power disruption. Not available with a magnetic ballast.

Reloc

LRC Provides compatibility with Lithonia Reloc® System. Lithonia Reloc System can be installed less this option with connectors provided by others. Not required on electronic CFL units.

Miscellaneous

ENCL Standard medium-base socket. For use when 50, 70, 100 and 150 metal halide frame-in is used with PAR38 metal halide or ceramic metal halide lamps.

AT Sealed airtight housing to minimize air flow through frame-in. Complies with WSEC and certified per ASTM E283.

WLP 35K lamp (shipped separately).

Options Compatibility

	MVOLT	HEB	HPF	ADEZ	DMHL	SDT	LRC	EL	ELR	GMF	SF	ENCL	AT	WLP	TRW
LF8 1/TRT	■			■	■			■	■	■				■	■
LF8 2/TRT	■			■	■			■	■	■				■	■
LF8 2/DTT	■		▲	■	■		■	■	■	■				■	■
LP8F	■		▲	■	■		■	■	■	■				■	■
CCR82	■							■	■	■				■	■
LF6 1/TRT	▲			■	■			■	■	■				■	■
LF6 2/DTT	■		▲	■	■		■	■	■	■				■	■
LIF6							■			■				■	■
LI6F	▲									■			■	■	■
LP6F	■						■	■	■	■				■	■
CCR62	■													■	■
LQJ	■		■											■	■
LP8H		■					■				■	■			■
LP6H		■					■				■	■			■
LP8						■									■
LP6						■									■
LC6 MRI															■
LPJ						■									■
LV															
LP3V															
WSL1F															

■ Option available
(blank) Option not available
▲ Standard

Accessories

Accessories must be ordered separately.

Remodeler clips

ARC Used to secure frame-ins in ceiling in remodel applications. Available in master pack of 24 only.



T-bar mounting clips

LSMC Designed to lock bar hangers to T-bar. Set of 4 clips.



Bar hangers

LBH Extended bar hangers used for extreme off-center mounting in a 24" space. Set of two 22" bar hangers. For use with 4", 5" or 6" frame-ins only.



Channel bar mounting brackets

LCMB Used when commercial channel bars are desired to mount fixture. Channel bars not included. Set of two brackets. For use with 4", 5" or 6" frame-ins only.



Color filters/specialty lenses

F200 DB	Dark blue	**F200 MG**	Medium green	**F200 UV**	Ultra violet
F200 MA	Medium amber	**F200 MP**	Medium pink	**F200 SL**	Spread lens
F200 MB	Medium blue	**F200 RR**	Ruby red	**F200 EG**	Elongating lens
				F200 SFG	Softening lens



For use on 6" low voltage trims using a MR16 lamp. Not for use on 4" low voltage trims. See page 345 for complete selection.

Ceiling thickness extender

CTE Use when ceiling thickness is greater than 1-1/2". Maximum thickness 2" (5.1cm). For use with 6" reflectors only. Not compatible with VPE2, VMB4, F6-Series and 7-Series reflectors.

CTE8 Use when ceiling thickness is greater than 1-1/2". Maximum thickness 2" (5.1cm). For use with 8" reflectors only.



Sloped ceiling adapter

SCA Sloped ceiling adapter. Compatible with 8-inch and 6-inch commercial fixtures. Available in 5-degree increments, 10 degrees through 30 degrees. White only. See chart for fixture compatibility.
Ex: SCA6 15D



Oversize trim rings

CTR5 7-1/8" (19.9 cm) O.D. Use with J Series trims only.

CTR6 8-3/4" (22.2 cm) O.D. Use with 6, 7, C and F6 Series trims. Compatible with all 7-5/8" flanged trims only.



Accessories Compatibility

	ARC	LSMC	LBH	LCMB	CTE	SCA6	SCA8
LF8 1/TRT	■	■	■	■			■
LF8 2/TRT	■	■	■	■			■
LF8 2/DTT	■	■	■	■			■
LP8F	■	■	■	■			■
CCR82	■	■	■	■			■
LF6 1/TRT	■	■	■	■	■	■	
LF6 2/DTT	■	■	■	■	■	■	
LIF6		■	■		■	■	
LI6F		■	■		■	■	
LP6F	■	■	■	■	■	■	
CCR62	■	■	■	■	■	■	
LQJ	■	■	■	■			
LP8H	■	■	■	■			■
LP6H	■	■	■	■	■	■	
LP8	■	■	■	■			■
LP6	■	■	■	■	■	■	
LC6 MRI							
LPJ	■	■	■	■			
LV	■	■	■	■	■	■	
LP3V		■	■				
WSL1F							

■ Option available
(blank) Option not available



Lithonia Residential Recessed

Lithonia Lighting offers a complete line of residential recessed products to meet the varying needs of our customers. The recessed line offers products with 3", 5" and 6" apertures in incandescent, low voltage and compact fluorescent sources.

Our housings are designed to provide the easiest installation in the industry while requiring the fewest SKUs for standard applications. All our recessed trims offer a full reflector design, which maximizes lamp position and provides an exceptional overall appearance.





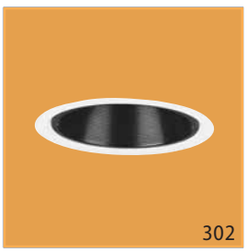
CONTENTS


298


298


299


300


302


302


304


304


305


306


308


308

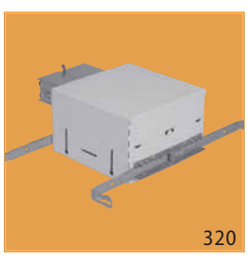

310


311


314


318


319


320

Incandescent Recessed

6" Aperture 298
5" Aperture 306
3" Aperture 308

Low Voltage Recessed

3" Aperture 310

Remodelers Recessed 313

Fluorescent Recessed

6" Aperture 314

Specialty

Damp Location Steplights 319
Lensed Squares 320

Technical Information

Options & Accessories 321
Packaging 322
Lamp Performance 323

LC6 & L7X



IC Rated Full Trims *– All trims are damp location listed. Lensed trims are wet location listed. These IC trims also can be used in Non-IC applications using lamps and maximum wattages listed below. White flange standard.*

For additional IC rated trims, see page 304.

Intended Use

Recessed housing rated IC or Non-IC for new construction applications. Approved for direct burial in insulation (IC) and through-branch circuit wiring. Approved for most wiring and ceiling types.

Features

Factory-installed captive bar hangers span 24" and feature built-in nailers and T-bar clips. Bar hanger locking screw holds fixture firmly in place.

Socket clips to trim to ensure proper and consistent lamp position.

Product ships in retail pack of six (**R6**) only.

LC6 (Premium) – Injection-molded frame with aluminum can for superior thermal performance for a wider range of trims. Romex only (not for pulling wires). Featuring poke-home wire connectors, built-in Romex clamps and ground wire.

Suitable for ceilings up to 2-¾" thick.

L7X (Standard) – Steel frame with aluminum can for superior thermal performance for a wider range of trims.

Air-tight standard. Meets current energy codes.

J-box has built in Romex clamps and ground wire.

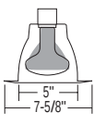
Suitable for ceiling up to 1" thick.

Listings

UL Listed to U.S. and Canadian safety standards.

Premium open trim, wide flange

601 White



65 BR30
75 PAR30

Standard open trim, narrow flange

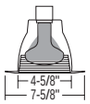
702 White[1]
702A Clear diffuse
702AZ Clear specular
702G Gold diffuse
702GZ Gold specular
702BLZ Black specular



65 BR30
75 PAR30

Premium baffle, wide flange

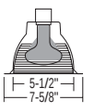
6B1 Black
6B1W White



40 A19
65 BR30
75 PAR30

Premium deep baffle, narrow flange

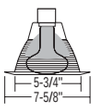
6B2 Black
6B2W White



40 A19
65 BR30/BR40
75 PAR30/PAR38

Standard baffle, narrow flange

7B2 Black
7B2W White[1]



65 BR30
75 PAR30

Premium open eyeball

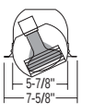
6E1 White



65 BR30
75 PAR30

Premium baffle eyeball

6E2 White/black
6E2W White/white



65 BR30
75 PAR30

Premium regressed open eyeball

6RE1 Black/white
6RE1W White/white



65 BR30
75 PAR30

Premium regressed baffle eyeball

6RE2 Black/black
6RE2W White/white



65 BR30
75 PAR30

Standard eyeball

7E1 White



65 BR30
75 PAR30

Premium eyelid wallwash

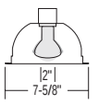
CW1 White



40 A19

Premium pinhole

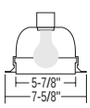
CS1 White



40 A19
50 R20
50 PAR20

Premium polycarbonate lens

CLF1 Flush opal[1]
CLF2 Flush prismatic[1]
CLD1 Drop opal[1]
CLD2 Drop prismatic[1]



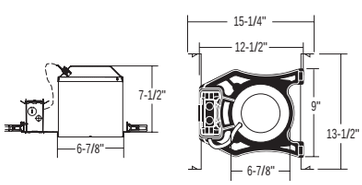
40 A19

Ordering Information

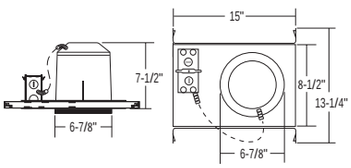
Example: **LC6**

Series	Options	
LC6	**AT**	Sealed airtight housing to minimize air flow through housing. Complies with WSEC and ASTM E283.
L7X	**PHC**	Poke-home wire connectors.

LC6



L7X



NOTES:

1 For plastic flange, add suffix PF to catalog number (Example: CLF1PF).

IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

www.lithonia.com, keywords: LC6 and L7X

Non-IC Rated Full Trims *– All trims are damp location listed. Lensed trims and WETlite™ are wet location listed. Lamp types and maximum wattages are listed for each trim. White flange standard.*

Premium open trim, narrow flange

6O2 White
6O2SA Clear diffuse
6O2A Clear specular
6O2SG Gold diffuse
6O2G Gold specular





100 A19
120 BR40
150 PAR38

Premium baffle, narrow flange

6B4 Black
6B4W White





75 A19
120 BR40
150 PAR38

Standard baffle, narrow flange

7B5 Black
7B5W White[1]

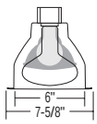




120 BR40
120 PAR38

Premium open cone w/diffuse upper trim

6C3A Clear specular
6C3G Gold specular
6C3BL Black specular





100 A19
120 BR40
150 PAR38

Premium adjustable cone

6AC1A Clear specular
6AC1G Gold specular
6AC1BL Black specular

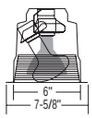




65 BR30
75 PAR30

Premium adjustable baffle

6AB1 Black
6AB1W White

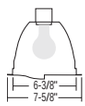




65 BR30
75 PAR30

Premium eyelid wallwash

6W1 White

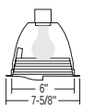




100 A19

Premium eyelid wallwash w/baffle

6W2 Black
6W2W White

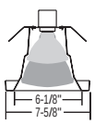




100 A19

WETlite™

6H2O White
(ships with outdoor-rated 75W PAR38 lamp)

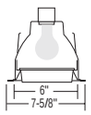




75 PAR38
75 PAR30

Glass lens

6LD3 Drop opal, white splay
6LDB3 Drop opal, black baffle
6LF3 Flush white, white splay
6LFB3 Flush white, black baffle
6L4 Fresnel, white splay
6LB4 Fresnel, black baffle

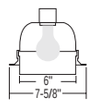




75 A19

Premium polycarbonate lens

6LD1 Drop opal[1]
6LD2 Drop prismatic[1]
6LF1 Flush opal[1]
6LF2 Flush prismatic[1]





60 A19

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
LC6 R6
L7X R6
6B1W M6

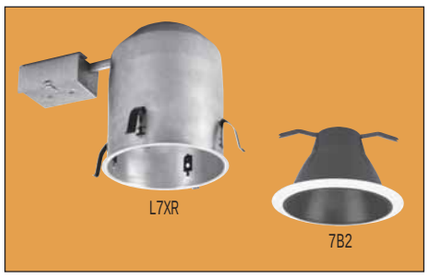
NOTES:
1 For plastic flange, add suffix PF to catalog number (Example: 6LD1PF).

IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

6" IC/Non-IC Remodel Housing

L7XR



IC Rated Full Trims *– All trims are damp location listed. Lensed trims are wet location listed. These IC trims also can be used in Non-IC applications using lamps and maximum wattages listed below. White flange standard.*

For additional IC rated trims, see page 304.

Intended Use

Recessed housing rated IC or Non-IC for remodel applications. Approved for factory-assembled wiring only. Approved for direct burial in insulation (IC).

Features

One-piece aluminum self-flanged can provides maximum structural integrity.

J-box has built-in Romex clamps, ground wire, and snap on/off door for easy wiring. Approved for all ceiling types (including air-handling plenums). Not for pulling wires.

One-piece, heavy-gauge, galvanized steel raceway arm/J-box fits easily through ceiling opening.

Suitable for ceilings up to 1-1/2" thick. Four (4) factory-installed remodel clips lock housing in place and automatically adjust for ceiling thickness.

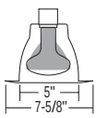
Socket clips to trim to ensure proper and consistent lamp position.

Listings

UL Listed to U.S. and Canadian safety standards.

Premium open trim, wide flange

601 White



65 BR30
75 PAR30

Standard open trim, narrow flange

702 White[1]
702A Clear diffuse
702AZ Clear specular
702G Gold diffuse
702GZ Gold specular
702BLZ Black specular



65 BR30
75 PAR30

Premium baffle, wide flange

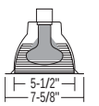
6B1 Black
6B1W White



40 A19
65 BR30
75 PAR30

Premium deep baffle, narrow flange

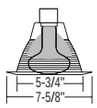
6B2 Black
6B2W White



40 A19
65 BR30/BR40
75 PAR30/PAR38

Standard baffle, narrow flange

7B2 Black
7B2W White[1]



65 BR30
75 PAR30

Premium open eyeball

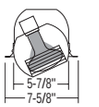
6E1 White



65 BR30
75 PAR30

Premium baffle eyeball

6E2 White/black
6E2W White/white



65 BR30
75 PAR30

Premium regressed open eyeball

6RE1 Black/white
6RE1W White/white



65 BR30
75 PAR30

Premium regressed baffle eyeball

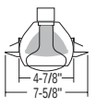
6RE2 Black/black
6RE2W White/white



65 BR30
75 PAR30

Standard eyeball

7E1 White



65 BR30
75 PAR30

Premium eyelid wallwash

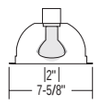
CW1 White



40 A19

Premium pinhole

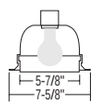
CS1 White



40 A19
50 R20
50 PAR20

Premium polycarbonate lens

CLF1 Flush opal[1]
CLF2 Flush prismatic[1]
CLD1 Drop opal[1]
CLD2 Drop prismatic[1]

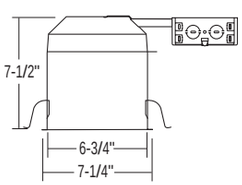


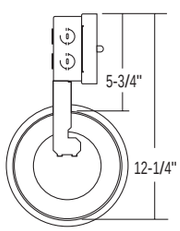
40 A19

Ordering Information

Example: **L7XR**

Series	Options	
L7XR	**AT**	Sealed airtight housing to minimize air flow through housing. Complies with WSEC and ASTM E283.
	PHC	Poke-home wire connectors.





NOTES:
1 For plastic flange, add suffix PF to catalog number (Example: CLF1PF).

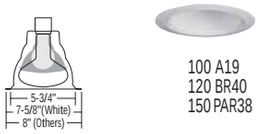
IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

Non-IC Rated Full Trims *– All trims are damp location listed. Lensed trims and WETlite™ are wet location listed. Lamp types and maximum wattages are listed for each trim. White flange standard.*

Premium open trim, narrow flange

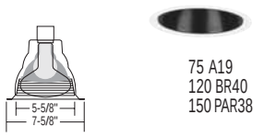
6O2 White
6O2SA Clear diffuse
6O2A Clear specular
6O2SG Gold diffuse
6O2G Gold specular



100 A19
120 BR40
150 PAR38

Premium baffle, narrow flange

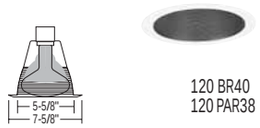
6B4 Black
6B4W White



75 A19
120 BR40
150 PAR38

Standard baffle, narrow flange

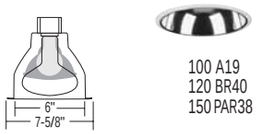
7B5 Black
7B5W White[1]



120 BR40
120 PAR38

Premium open cone w/diffuse upper trim

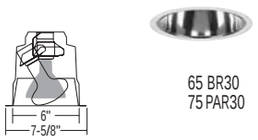
6C3A Clear specular
6C3G Gold specular
6C3BL Black specular



100 A19
120 BR40
150 PAR38

Premium adjustable cone

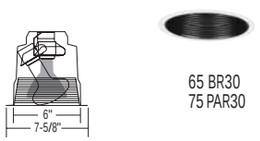
6AC1A Clear specular
6AC1G Gold specular
6AC1BL Black specular



65 BR30
75 PAR30

Premium adjustable baffle

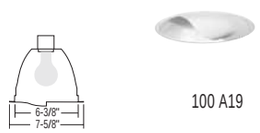
6AB1 Black
6AB1W White



65 BR30
75 PAR30

Premium eyelid wallwash

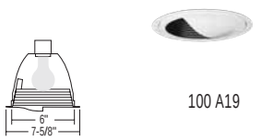
6W1 White



100 A19

Premium eyelid wallwash w/baffle

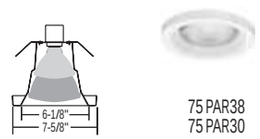
6W2 Black
6W2W White



100 A19

WETlite™

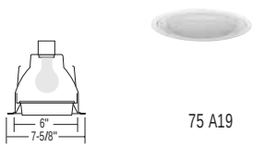
6H2O White
(ships with outdoor-rated 75W PAR38 lamp)



75 PAR38
75 PAR30

Glass lens

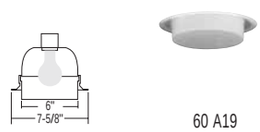
6LD3 Drop opal, white splay
6LDB3 Drop opal, black baffle
6LF3 Flush white, white splay
6LFB3 Flush white, black baffle
6L4 Fresnel, white splay
6LB4 Fresnel, black baffle



75 A19

Premium polycarbonate lens

6LD1 Drop opal[1]
6LD2 Drop prismatic[1]
6LF1 Flush opal[1]
6LF2 Flush prismatic[1]



60 A19

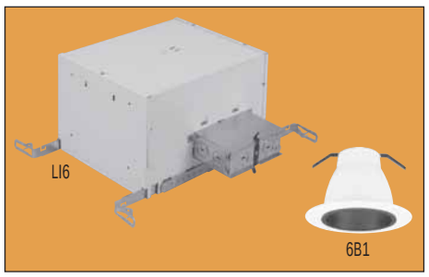
NOTES:
1 For plastic flange, add suffix PF to catalog number (Example: 6LD1PF).

IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

6" IC High Wattage/Sloped Ceiling Housing

LI6



IC Rated Full Trims *– All trims are damp location listed. Lensed trims and WETlite™ are wet location listed. These IC trims also can be used in Non-IC applications using lamps and maximum wattages listed below. White flange standard.*

Intended Use

Recessed housing rated IC for new construction applications. Housing also can be used in Non-IC applications using lamps, wattages, and trims listed on page. Approved for direct burial in insulation and through-branch circuit wiring. Approved for most wiring and ceiling types.

Features

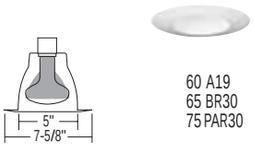
Pre-painted steel housing with galvanized steel J-box.
Factory-installed, captive bar hangers span 24" and feature built-in nailers and T-bar clips.
J-box has poke-home wire connectors and built-in Romex clamps.
Socket clips to trim to ensure proper and consistent lamp position.

Listings

UL Listed to U.S. and Canadian safety standards.

Premium open trim, wide flange

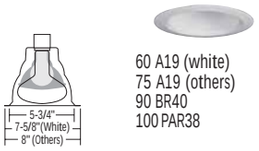
6O1 White



60 A19
65 BR30
75 PAR30

Premium open trim, narrow flange

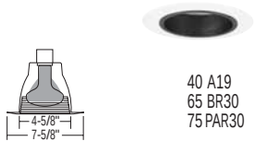
6O2 White
6O2SA Clear diffuse
6O2A Clear specular
6O2SG Gold diffuse
6O2G Gold specular



60 A19 (white)
75 A19 (others)
90 BR40
100 PAR38

Premium baffle, wide flange

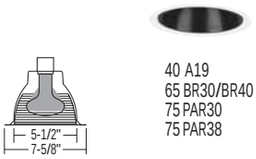
6B1 Black
6B1W White



40 A19
65 BR30
75 PAR30

Deep baffle, narrow flange

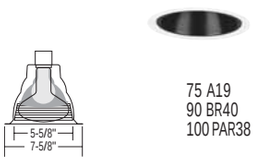
6B2 Black
6B2W White



40 A19
65 BR30/BR40
75 PAR30
75 PAR38

Premium baffle, narrow flange

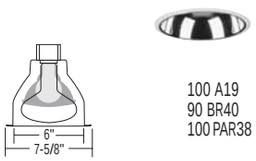
6B4 Black
6B4W White



75 A19
90 BR40
100 PAR38

Premium open cone w/diffuse upper trim

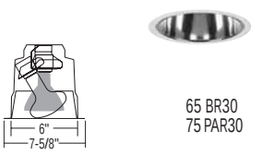
6C3A Clear specular
6C3G Gold specular
6C3BL Black specular



100 A19
90 BR40
100 PAR38

Premium adjustable cone

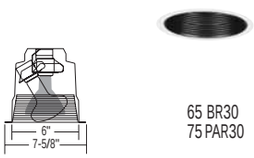
6AC1A Clear specular
6AC1G Gold specular
6AC1BL Black specular



65 BR30
75 PAR30

Premium adjustable baffle

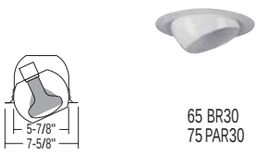
6AB1 Black
6AB1W White



65 BR30
75 PAR30

Premium open eyeball

6E1 White

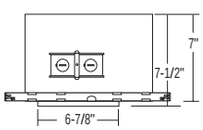


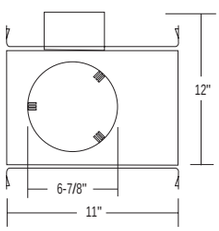
65 BR30
75 PAR30

Ordering Information

Example: **LI6**

Series	Options	
LI6	**AT**	Sealed airtight housing to minimize air flow through housing. Complies with WSEC and ASTM E283.





NOTES:
IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

IC Rated Full Trims *– All trims are damp location listed. Lensed trims and WETlite™ are wet location listed. These IC trims also can be used in Non-IC applications using lamps and maximum wattages listed below. White flange standard.*

Premium baffle eyeball

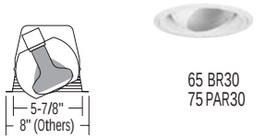
6E2 White/black
6E2W White/white



65 BR30
75 PAR30

Premium regressed open eyeball

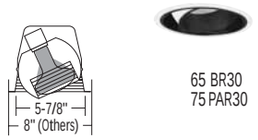
6RE1 Black/white
6RE1W White/white



65 BR30
75 PAR30

Premium regressed baffle eyeball

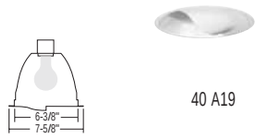
6RE2 Black/black
6RE2W White/white



65 BR30
75 PAR30

Premium eyelid wallwash

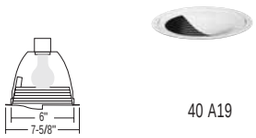
6W1 White



40 A19

Premium eyelid wallwash w/baffle

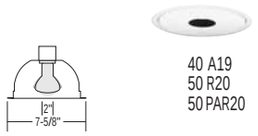
6W2 Black
6W2W White



40 A19

Premium pinhole

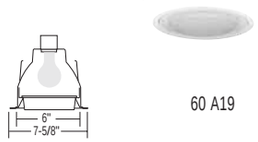
6S1 White



40 A19
50 R20
50 PAR20

Glass lens

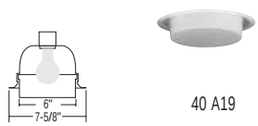
6LD3 Drop opal, white splay
6LDB3 Drop opal, black baffle
6LF3 Flush white, white splay
6LFB3 Flush white, black baffle
6L4 Fresnel, white splay
6LB4 Fresnel, black baffle



60 A19

Premium polycarbonate lens

6LD1 Drop opal[1]
6LD2 Drop prismatic[1]
6LF1 Flush opal[1]
6LF2 Flush prismatic[1]

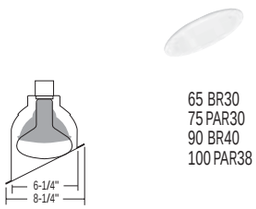


40 A19

Sloped ceiling (Directs light straight down from 2/12 (9°) to 12/12 (45°) ceiling pitch.)

Premium open sloped ceiling

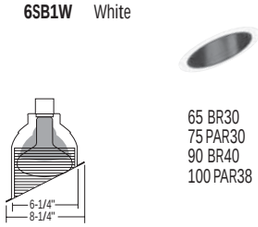
6SO1 White



65 BR30
75 PAR30
90 BR40
100 PAR38

Premium baffled sloped ceiling

6SB1 Black
6SB1W White



65 BR30
75 PAR30
90 BR40
100 PAR38

NOTES:
1 For plastic flange, add suffix PF to catalog number (Example: 6LD1PF).

IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

LCP & L7XP

IC Rated Full Trims *– All trims are damp location listed. Lensed trims are wet location listed. These trims also can be used in Non-IC applications using lamps and maximum wattages listed below. White flange standard, except as noted.*



Intended Use

Recessed housing rated IC for new construction applications. Housing also can be used in Non-IC applications using lamps, wattages, and trims listed on page. Approved for direct burial in insulation and through-branch circuit wiring. Approved for most wiring and ceiling types.

Features

Factory-installed captive bar hangers span 24" and feature built-in nailers and T-bar clips. Bar hanger locking screw holds fixture firmly in place. Socket clips to trim to ensure proper and consistent lamp position. Product ships in retail pack of six (**R6**) only.

LCP (Premium) – Injection-molded frame with aluminum can for superior thermal performance for a wider range of trims.
Romex only. Not for pulling wires. J-box features poke-home wire connectors, built-in Romex clamps and ground wire.
Suitable for ceilings up to 2-¾" thick.

L7XP (Standard) – Steel frame with aluminum can for superior thermal performance for a wider range of trims.
Air-tight standard. Meets current energy codes.
J-box features poke-home wire connectors, built-in Romex clamps and ground wire.
Suitable for ceiling up to 1" thick.

Listings

UL Listed to U.S. and Canadian safety standards.

Premium open trim, wide flange

C01 White



60 A19
65 BR30
75 PAR30

Premium open trim, narrow flange

C02 White
C02SA Clear diffuse[1]
C02A Clear specular[1]
C02GA Gold diffuse[1]
C02G Gold specular[1]



60 A19
65 BR30
75 PAR30

Standard open trim, wide flange

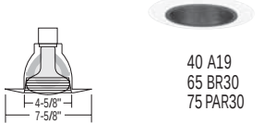
701 White



65 BR30
75 PAR30

Premium baffle, wide flange

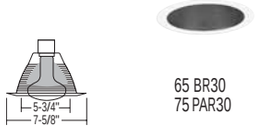
CB1 Black
CB1W White



40 A19
65 BR30
75 PAR30

Standard baffle, wide flange

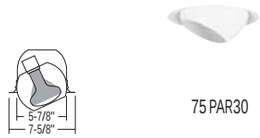
7BO Black
7BOW White



65 BR30
75 PAR30

Premium open eyeball

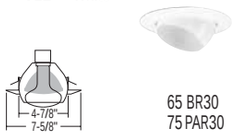
CE1 White



75 PAR30

Standard eyeball

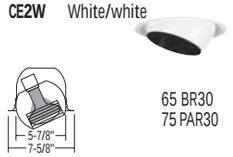
7E1 White



65 BR30
75 PAR30

Premium baffle eyeball

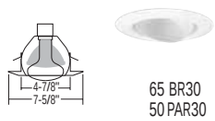
CE2 White/black
CE2W White/white



65 BR30
75 PAR30

Standard regressed eyeball

7RE1 White



65 BR30
50 PAR30

Premium eyelid wallwash

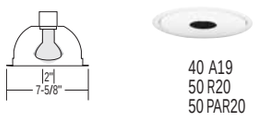
CW1 White



40 A19

Premium pinhole

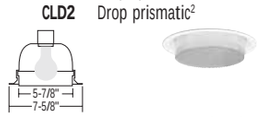
CS1 White



40 A19
50 R20
50 PAR20

Premium polycarbonate lens

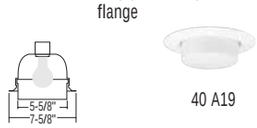
CLF1 Flush opal[2]
CLF2 Flush prismatic[2]
CLD1 Drop opal[2]
CLD2 Drop prismatic[2]



40 A19

Standard polycarbonate lens

7LD1 Drop opal
7LD1 PF Drop opal, plastic flange
7LD2 PF Drop prismatic, plastic flange



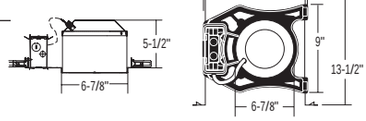
40 A19

Ordering Information

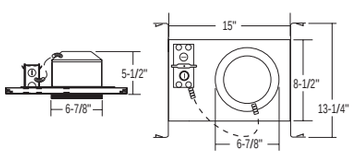
Series	Options	
LCP	**AT**	Sealed airtight housing to minimize air flow through housing. Complies with WSEC and ASTM E283.
L7XP	N/A	

Example: **LCP**

LCP



L7XP



NOTES:
1 Flange matches trim finish.
2 For plastic flange, add suffix PF to catalog number (Example: CLF1 PF).

IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
LCP R6
C01 M6

www.lithonia.com, keywords: LCP and L7XP

L7PR

IC Rated Full Trims *– All trims are damp location listed. Lensed trims are wet location listed. These IC trims also can be used in Non-IC applications using lamps and maximum wattages listed below. White flange standard, except as noted.*

Premium open trim, wide flange

C01 White



60 A19
65 BR30
75 PAR30

Premium open trim, narrow flange

C02 White
C02SA Clear diffuse[1]
C02A Clear specular[1]
C02GA Gold diffuse[1]
C02G Gold specular[1]



60 A19
65 BR30
75 PAR30

Standard open trim, wide flange

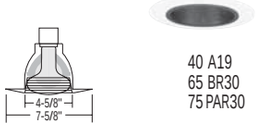
701 White



65 BR30
75 PAR30

Premium baffle, wide flange

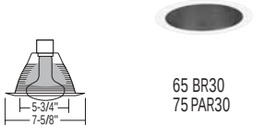
CB1 Black
CB1W White



40 A19
65 BR30
75 PAR30

Standard baffle, wide flange

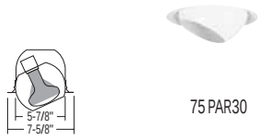
7B0 Black
7B0W White



65 BR30
75 PAR30

Premium open eyeball

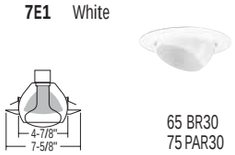
CE1 White



75 PAR30

Standard eyeball

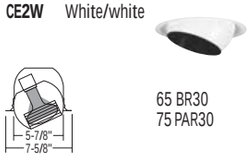
7E1 White



65 BR30
75 PAR30

Premium baffle eyeball

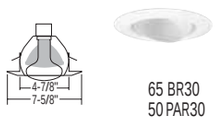
CE2 White/black
CE2W White/white



65 BR30
75 PAR30

Standard regressed eyeball

7RE1 White



65 BR30
50 PAR30

Premium eyelid wallwash

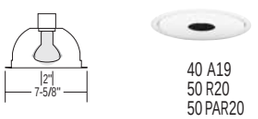
CW1 White



40 A19

Premium pinhole

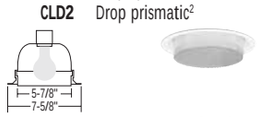
CS1 White



40 A19
50 R20
50 PAR20

Premium polycarbonate lens

CLF1 Flush opal[2]
CLF2 Flush prismatic[2]
CLD1 Drop opal[2]
CLD2 Drop prismatic[2]



40 A19

Standard polycarbonate lens

7LD1 Drop opal
7LD1 PF Drop opal, plastic flange
7LD2 PF Drop prismatic, plastic flange



40 A19



Intended Use

Recessed shallow housing rated IC for remodel applications. Housing also can be used in Non-IC applications using lamps, wattages, and trims listed on page. Approved for direct burial in insulation. Approved for most wiring and ceiling types.

Features

One-piece aluminum self-flanged can provides maximum structural integrity.

J-box has built-in Romex clamps, ground wire, and snap on/off door for easy wiring. Not for pulling wires.

One-piece, heavy-gauge, galvanized steel raceway arm/J-box fits easily through ceiling opening, existing ceiling.

Suitable for ceilings up to 1/2" thick. Four (4) factory-installed remodel clips lock housing in place and automatically adjust for ceiling thickness.

Socket clips to trim to ensure proper and consistent lamp position.

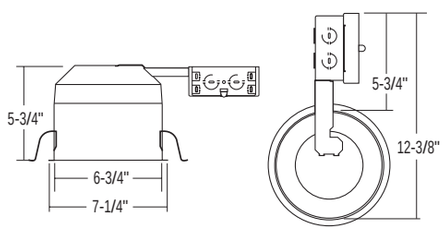
Listings

UL Listed U.S. and Canadian safety standards.

Ordering Information

Example: **L7PR**

Series	Options	
L7PR	**AT**	Sealed airtight housing to minimize air flow through housing. Complies with WSEC and ASTM E283.
	PHC	Poke-home wire connectors.



NOTES:

1 Flange matches trim finish.

2 For plastic flange, add suffix PF to catalog number (Example: CLF1 PF).

IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

5" IC Housing

L5



IC Rated Full Trims *– All trims are damp location. Lensed trims and WETlite™ are wet location listed. These IC trims also can be used in Non-IC applications using lamps and wattages listed below. White flange standard.*

Intended Use

Recessed housing rated IC for new construction applications. Housing also can be used in Non-IC applications using lamps, wattages, and trims listed on page. Approved for direct burial in insulation and through-branch circuit wiring. Approved for most wiring and ceiling types.

Features

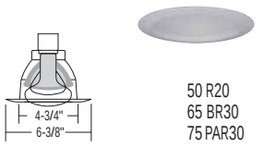
One-piece aluminum can. Galvanized steel rod frame and J-box.
Factory-installed, captive bar hangers span 24" and feature built-in nailers and T-bar clips. Snap-lock rail clip locks fixture into place.
J-box has built-in Romex clamps and a ground wire.
Suitable for ceilings up to 2-3/4" thick.
Socket clips to trim to ensure proper and consistent lamp position.

Listings

UL Listed to U.S. and Canadian safety standards.

Open trim, wide flange

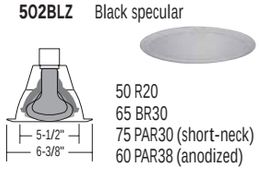
501 White



50 R20
65 BR30
75 PAR30

Open trim, narrow flange

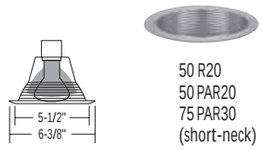
502 White
502A Clear diffuse
502AZ Clear specular
502G Gold diffuse
502GZ Gold specular
502BLZ Black specular



50 R20
65 BR30
75 PAR30 (short-neck)
60 PAR38 (anodized)

Shallow baffle

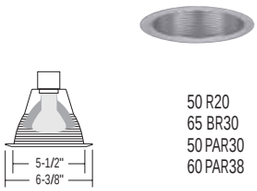
5B1 Black
5B1W White



50 R20
50 PAR20
75 PAR30
(short-neck)

Deep baffle

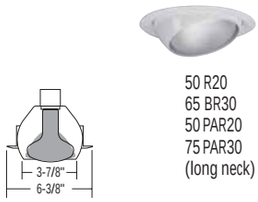
5B2 Black
5B2W White



50 R20
65 BR30
50 PAR30
60 PAR38

Eyeball

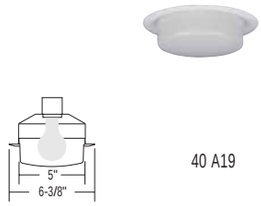
5E1 White



50 R20
65 BR30
50 PAR20
75 PAR30
(long neck)

Polycarbonate lens

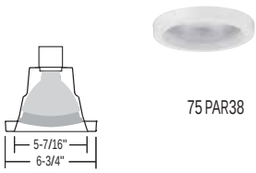
5LD1 Drop opal



40 A19

WETlite™

5H20 White
(Ships with outdoor-rated 75W PAR38 lamp)

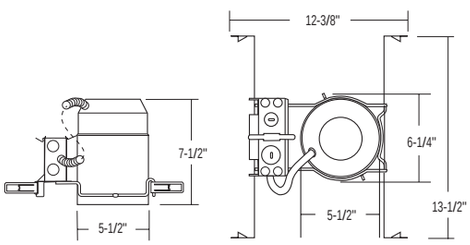


75 PAR38

Ordering Information

Example: **L5**

Series	Options	
L5	**AT**	Sealed airtight housing to minimize air flow through housing. Complies with WSEC and ASTM E283.
	PHC	Poke-home wire connectors.



NOTES:
IMPORTANT: For packaging information,, see page 322. See specification sheets for complete trim selection.

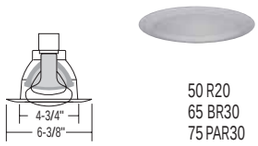
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

L5R

IC Rated Full Trims *– All trims are damp location listed. Lensed trims and WETlite™ are wet location listed. These IC trims also can be used in Non-IC applications using lamps and wattages listed below. White flange standard.*

Open trim, wide flange

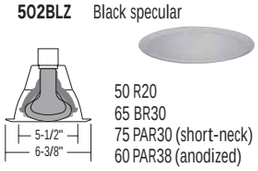
501 White



50 R20
65 BR30
75 PAR30

Open trim, narrow flange

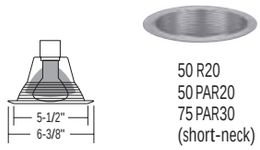
502 White
502A Clear diffuse
502AZ Clear specular
502G Gold diffuse
502GZ Gold specular
502BLZ Black specular



50 R20
65 BR30
75 PAR30 (short-neck)
60 PAR38 (anodized)

Shallow baffle

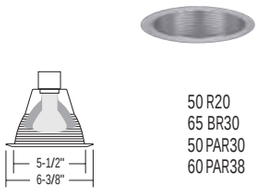
5B1 Black
5B1W White



50 R20
50 PAR20
75 PAR30
(short-neck)

Deep baffle

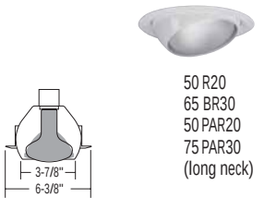
5B2 Black
5B2W White



50 R20
65 BR30
50 PAR30
60 PAR38

Eyeball

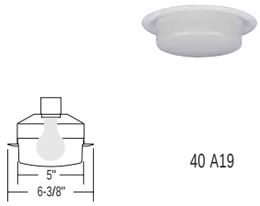
5E1 White



50 R20
65 BR30
50 PAR20
75 PAR30
(long neck)

Polycarbonate lens

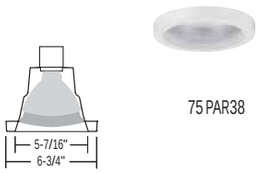
5LD1 Drop opal



40 A19

WETlite™

5H20 White
(Ships with outdoor-rated 75W PAR38 lamp)



75 PAR38



Intended Use

Recessed housing rated IC for remodel applications. Housing also can be used in Non-IC applications using lamps, wattages, and trims listed on page. Approved for direct burial in insulation. Approved for most wiring and ceiling types.

Features

One-piece aluminum self-flanged can provides maximum structural integrity.

J-box has built-in Romex clamps, ground wire and snap on/off door for easy wiring. One-piece, heavy-gauge, galvanized steel raceway arm/J-box fit easily through ceiling opening. Not for pulling wires.

Suitable for ceilings up to 1/2" thick. Four (4) factory installed remodel clips lock housing in place and automatically adjust for ceiling thickness.

Socket clips to trim to ensure proper and consistent lamp position.

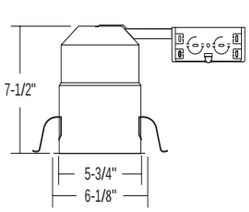
Listings

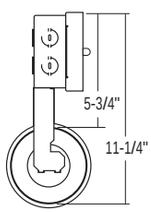
UL Listed to U.S. and Canadian safety standards.

Ordering Information

Example: **L5R**

Series	Options	
L5R	**AT**	Sealed airtight housing to minimize air flow through housing. Complies with WSEC and ASTM E283.
	PHC	Poke-home wire connectors.





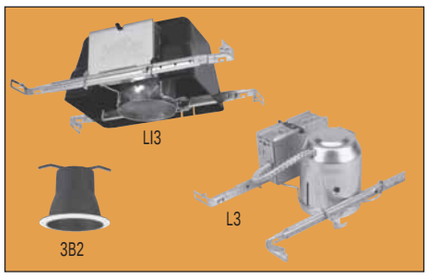
NOTES:
IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

www.lithonia.com, keyword: L5R

LI3 & L3

IC/Non-IC Rated Full Trim *– All trims are damp location listed. WETlite™ is listed for wet locations. Lamp types and maximum wattages are listed for each trim. White flange standard, except as noted.*



Intended Use

Recessed housing rated IC or Non-IC for new construction applications. Approved for direct burial in insulation (IC) and through-branch circuit wiring. Approved for most wiring and ceiling types.

Features

One-piece aluminum can. Compact thermal plastic shroud on LI3 for higher wattages in IC installations. Galvanized steel rod frame and J-box.

Factory-installed, captive bar hangers span 24" and feature built-in nailers and T-bar clips. Snap-lock rail clip locks fixture into place.

J-box has built-in Romex clamps and a ground wire.

Suitable for ceilings up to 2" thick.

Socket clips to trim to ensure proper and consistent lamp position.

Listings

UL Listed to U.S. and Canadian safety standards.

Shallow open trim

301	White
301A	Clear diffuse
301AZ	Clear specular
301G	Gold diffuse
301GZ	Gold specular
301BLZ	Black specular



IC (L3)	IC (LI3)	Non-IC (LI3)
30 R20 35 PAR20	50 R20 50 PAR20 40 PAR16	50 PAR20 75 PAR16

Deep, open trim

302	White
302A	Clear diffuse
302AZ	Clear specular
302G	Gold diffuse
302GZ	Gold specular
302BLZ	Black specular



IC (LI3)	Non-IC (L3)
40 A19 40 PAR16 30 R20 35 PAR20	50 PAR20 60 PAR16

Shallow baffle

3B1	Black
3B1W	White



IC (L3)	IC (LI3)	Non-IC (L3)
30 R20 35 PAR20	50 R20 50 PAR20 40 PAR16	50 PAR20 75 PAR16

Deep baffle

3B2	Black
3B2W	White



IC (LI3)	Non-IC (L3)
40 PAR16 30 R20 35 PAR20	50 PAR20 45 PAR16

Wallwash

3W1	White



IC (LI3)	Non-IC (L3)
30 R20 35 PAR20	50 R20 50 PAR20 40 PAR16

Eyeball

3E1	White



IC (L3)	IC (LI3)	Non-IC (L3)
35 PAR20 40 PAR16 75 PAR16	75 R20 50 PAR20	50 R20 50 PAR20

Pinhole

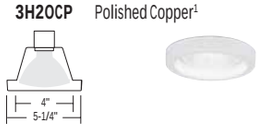
3S1	White



IC (L3, LI3)	Non-IC (L3)
35 R20 35 PAR20	50 R20 35 PAR20 45 PAR16

WETlite™

3H20	White
3H20PC	Polished Chrome[1]
3H20CP	Polished Copper[1]



IC (LI3)	IC (L3)
75 PAR30	75 PAR30

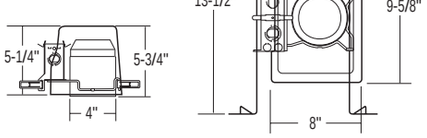
(Ships with outdoor-rated 75W PAR30 lamp)

Ordering Information

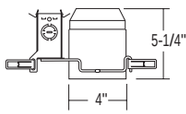
Example: **L3**

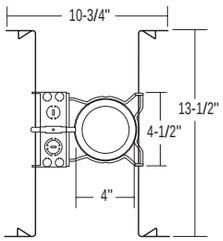
Series	Options	
LI3	**AT**	Sealed airtight housing to minimize air flow through housing. Complies with WSEC and ASTM E283.
L3	**PHC**	Poke-home wire connectors.

LI3



L3





www.lithonia.com, keywords: LI3 and L3

lightquick® XD
Express delivery products.

See page11 for details about LightQuick XD.

Description
L3 M6
3B1W M12
3E1 M6
3H20

NOTES:

1 Flange matches trim finish.

IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

L3R

IC/Non-IC Rated Full Trims *– All trims are damp location listed. WETlite™ is listed for wet locations. Lamp types and maximum wattages are listed for each trim. White flange standard.*

Shallow open trim

301	White
301A	Clear diffuse
301AZ	Clear specular
301G	Gold diffuse
301GZ	Gold specular
301BLZ	Black specular



IC	Non-IC
30 R20	50 PAR20
35 PAR20	75 PAR16

Deep, open trim

302	White
302A	Clear diffuse
302AZ	Clear specular
302G	Gold diffuse
302GZ	Gold specular
302BLZ	Black specular



Non-IC
40 A19
50 PAR20
60 PAR16

Shallow baffle

3B1	Black
3B1W	White



IC	Non-IC
30 R20	50 PAR20
35 PAR20	75 PAR16



Deep baffle

3B2	Black
3B2W	White



Non-IC
75 R20
50 PAR20
45 PAR16

Wallwash

3W1	White



Non-IC
50 R20
35 PAR20
40 PAR16

Eyeball

3E1	White



IC	Non-IC
50 R29	50 R20
35 PAR20	35 PAR20
40 PAR16	45 PAR16

Pinhole

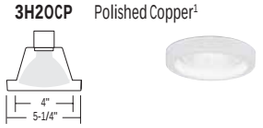
3S1	White



Non-IC
50 R20
35 PAR20
45 PAR16

WETlite™

3H2O	White
3H2OPC	Polished Chrome[1]
3H2OCP	Polished Copper[1]



IC
75 PAR30

(Ships with outdoor-rated 75W PAR30 lamp)

Intended Use

Recessed housing rated IC or Non-IC for remodel applications. Approved for direct burial in insulation (IC). Approved for most wiring and ceiling types

Features

One-piece aluminum self-flanged can provides maximum structural integrity.

J-box has built-in Romex clamps, ground wire and snap on/off door for easy wiring. Not for pulling wires.

One-piece, heavy-gauge, galvanized steel raceway arm/J-box fit easily through ceiling opening.

Suitable for ceilings up to 1/2" thick. Four (4) factory-installed remodel clips lock housing in place and automatically adjust for ceiling thickness.

Socket clips to trim to ensure proper and consistent lamp position.

Listings

UL Listed to U.S. and Canadian safety standards.

lightquick® XD
Express delivery products.

See page11 for details about LightQuick XD.

Description
L3R M6
3B1W M12
3E1 M6
3H2O

NOTES:
1 Flange matches trim finish.

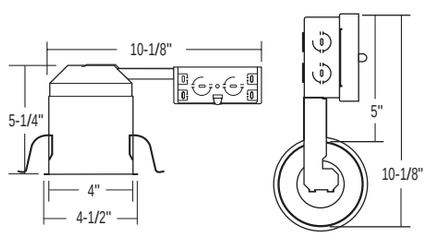
IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

Ordering Information

Example: **L3R**

Series	Options	
L3R	**AT**	Sealed airtight housing to minimize air flow through housing. Complies with WSEC and ASTM E283.
	PHC	Poke-home wire connectors.

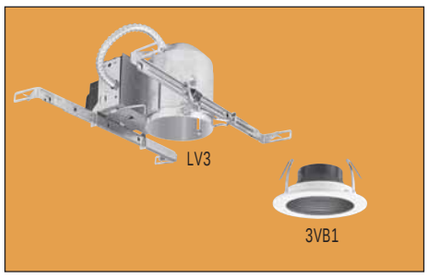


www.lithonia.com, keyword: L3R

3" Non-IC Housing

LV3

Non-IC Rated Trims *– These trims are for Non-IC applications when used with the LV3 housing. Lamp types and maximum wattages are listed for each trim. White flange standard, except as noted.*



Intended Use

Recessed housing rated Non-IC for new construction applications. Thermally protected against improper contact with insulation and approved for through-branch circuit wiring. Approved for most wiring and ceiling types.

Features

One-piece aluminum can for superior thermal performance for a wider range of trims. Galvanized steel rod frame and J-box.

Factory-installed captive bar hangers span 24" and feature built-in nailers and T-bar clips.

Suitable for ceilings up to 2" thick in new construction only.

Precision-wound stepdown transformer with class H insulation. For dimming control, use only dimmers specifically designed for use with magnetic (core and coil) transformers.

Consult factory when using fixtures on dimming systems.

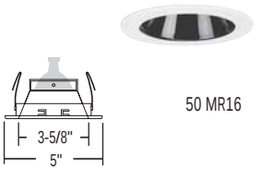
Two-pin porcelain socket attaches to lamp. Lamp clips to trim to ensure proper and consistent position.

Listings

UL Listed to U.S. and Canadian safety standards.

Adjustable open cone

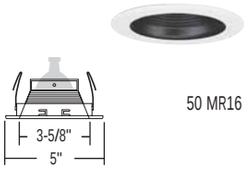
3VO1AZ Clear specular
3VO1GZ Gold specular
3VO1BLZ Black specular



50 MR16

Adjustable baffle

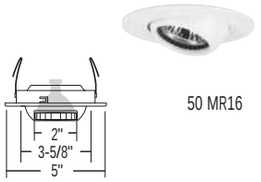
3VB1 Black
3VB1W White



50 MR16

Open eyeball

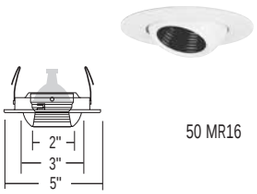
3VE1 White



50 MR16

Baffle eyeball

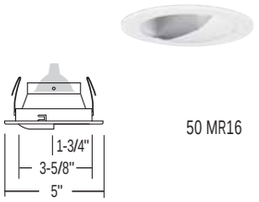
3VE2 Black
3VE2W White



50 MR16

Eyelid wallwash

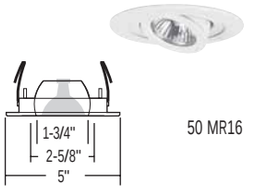
3VW1 White



50 MR16

Adjustable wallwash

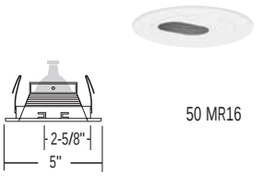
3VDW1W White



50 MR16

Adjustable slotted

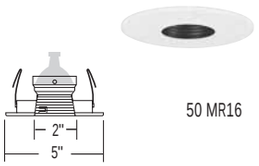
3VA5 White baffle



50 MR16

Pinhole

3VS1 Black baffle

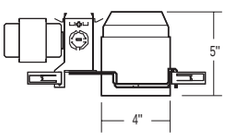


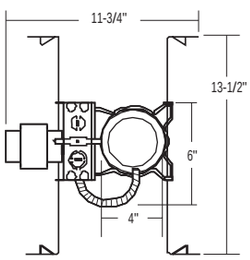
50 MR16

Ordering Information

Example: **LV3 120**

Series	Voltage	Options
LV3	**120** **277** **347**	**PHC** Poke-home wire connectors.





NOTES:
IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

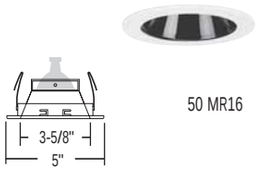
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

LIV3

IC Rated Trims *– All trims are damp location listed. Lamp types and maximum wattages listed for each trim. These IC trims also can be used in Non-IC applications using lamps and wattages listed below. White flange standard.*

Adjustable open cone

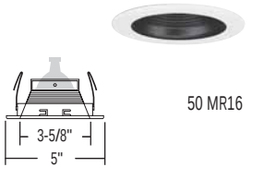
3VO1AZ Clear specular
3VO1GZ Gold specular
3VO1BLZ Black specular



50 MR16

Adjustable baffle

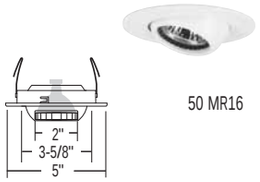
3VB1 Black
3VB1W White



50 MR16

Open eyeball

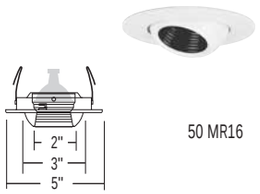
3VE1 White



50 MR16

Baffle eyeball

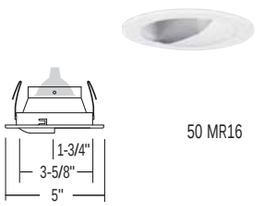
3VE2 Black
3VE2W White



50 MR16

Eyelid wallwash

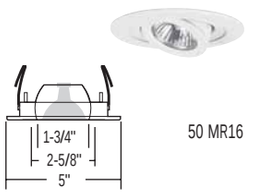
3VW1 White



50 MR16

Adjustable wallwash

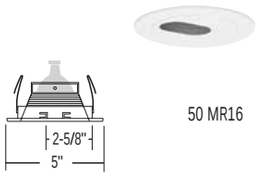
3VDW1W White



50 MR16

Adjustable slotted

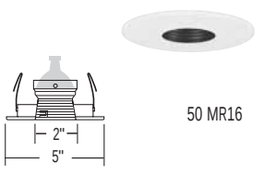
3VA5 White baffle



50 MR16

Pinhole

3VS1 Black baffle



50 MR16



Intended Use

Recessed housing rated IC for new construction applications. Approved for direct burial in insulation and through-branch circuit wiring. Approved for most wiring and ceiling types.

Features

Air-tight standard. Meets current energy codes.
Pre-painted steel inner housing and aluminum outer housing mounted to a rugged galvanized steel pan.
Captive bar hangers span 24" and feature built-in nailers and T-bar clips.
Suitable for ceilings up to 1-1/2" thick in new construction only.
Precision-wound stepdown transformer with class H insulation. For dimming control, use only dimmers specifically designed for use with magnetic (core and coil) transformers.
Consult factory when using fixtures on dimming systems.
Two-pin porcelain socket attaches to lamp. Lamp clips to trim to ensure proper and consistent position.

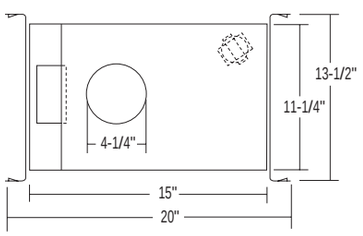
Listings

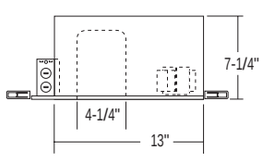
CSA Certified to U.S. and Canadian safety standards.

Ordering Information

Example: **LIV3 120**

Series	Voltage
LIV3	**120**





NOTES:
IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

3" Non-IC Remodel Housing

LV3R

Non-IC Rated Trims *– All trims are damp location listed. Lamp types and maximum wattages are listed for each trim. White flange standard.*



Intended Use

Recessed housing rated Non-IC for remodel applications. Thermally protected against improper contact with insulation. Approved for most wiring and ceiling types.

Features

One-piece aluminum can for maximum integrity and superior thermal performance.

Four (4) factory-installed clips automatically adjust for ceiling thickness up to 1/2" thick and lock housing in place with self-flange can.

Galvanized steel J-box has built-in Romex clamps and ground wire. Not suitable for pulling wires, Romex only.

Precision-wound stepdown transformer with class H insulation. For dimming control, use only dimmers specifically designed for use with magnetic (core and coil) transformers.

Consult factory when using fixtures on dimming systems.

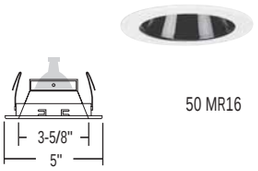
Two-pin porcelain socket attaches to lamp. Lamp clips to trim to ensure proper and consistent position.

Listings

UL Listed to U.S. and Canadian safety standards.

Adjustable open cone

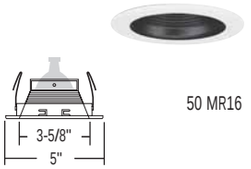
3VO1AZ Clear specular
3VO1GZ Gold specular
3VO1BLZ Black specular



50 MR16

Adjustable baffle

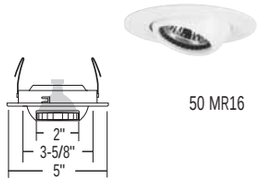
3VB1 Black
3VB1W White



50 MR16

Open eyeball

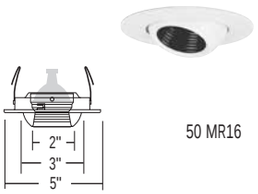
3VE1 White



50 MR16

Baffle eyeball

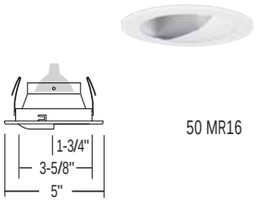
3VE2 Black
3VE2W White



50 MR16

Eyelid wallwash

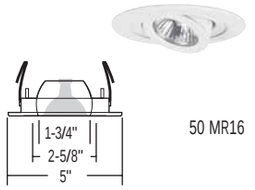
3VW1 White



50 MR16

Adjustable wallwash

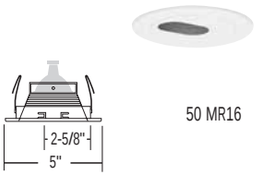
3VDW1W White



50 MR16

Adjustable slotted

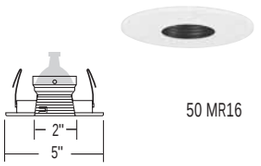
3VA5 White baffle



50 MR16

Pinhole

3VS1 Black baffle

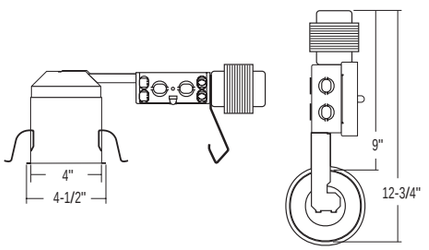


50 MR16

Ordering Information

Example: **LV3R 120**

Series	Voltage	Options
LV3R	**120** **277** **347**	**PHC** Poke-home wire connectors.



NOTES:
IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

5" Incandescent

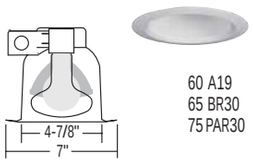
3" Incandescent



5" Incandescent *- EE1 is rated IC. All others are for Non-IC applications only. EL1 is wet location listed. All others are damp location only. White flange standard.*

Open trim

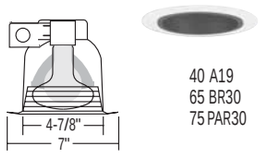
EO1 White



60 A19
65 BR30
75 PAR30

Baffle

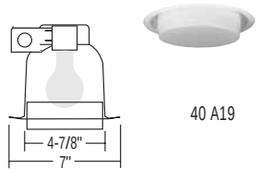
EB1 Black
EB1W White



40 A19
65 BR30
75 PAR30

Polycarbonate lens

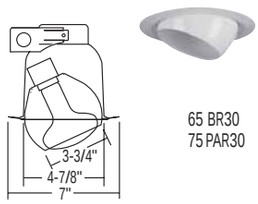
EL1 Drop opal



40 A19

Eyeball

EE1 White

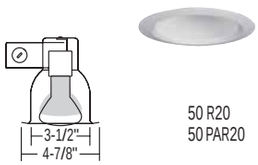


65 BR30
75 PAR30

3" Incandescent *– All models are for Non-IC applications and rated for damp locations only. White flange standard.*

Open trim

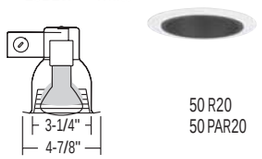
E3O1 White



50 R20
50 PAR20

Shallow baffle

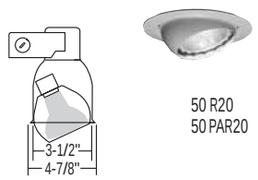
E3B1 Black
E3B1W White



50 R20
50 PAR20

Eyeball

E3E1 White



50 R20
50 PAR20

Intended Use

Economy remodelers rated Non-IC for remodel applications.

Features

Deep-drawn aluminum trim/housing eliminates need for separate can and trim.

Galvanized steel mounting ring holds trim/housing securely in ceilings from 1/8" to 1" thick.

Thermally protected against improper contact with insulation or overlamping. EE1 is IC rated; all other units are Non-IC. EL1 is wet location listed; all other units are damp location only.

Snap-on splice box provided with ground wire and pry-outs for Romex clamp (by others). Approved for end-of-run only.

Listings

UL Listed to U.S. and Canadian safety standards.

Ordering Information

Example: **EO1**

Series

5" Incandescent E Series

EO1 White open trim
EB1 Black baffle
EB1W White baffle
EL1 Drop opal lens
EE1 White eyeball

3" Incandescent E Series

E3O1 White open trim
E3B1 Black baffle
E3B1W White baffle
E3E1 White eyeball

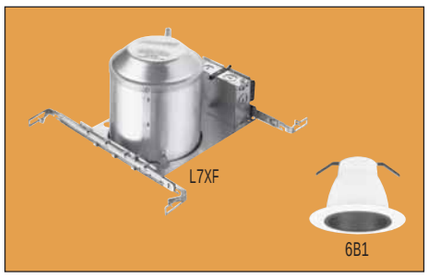
NOTES:

IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

6" IC/Non-IC Housing

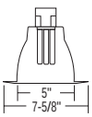
L7XF



IC/Non-IC Rated Full Trims *– All trims are damp location listed. Lensed trims are listed for wet locations. Lamp types and maximum wattages are listed for each trim. White flange standard.*

Premium open trim, wide flange

601 White

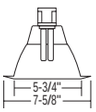




13DTT (IC)
18TRT (Non-IC)

Standard open trim, narrow flange

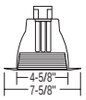
702 White[1]
702A Clear diffuse
702AZ Clear specular
702G Gold diffuse
702GZ Gold specular
702BLZ Black specular



13DTT (IC)

Premium baffle, wide flange

6B1 Black
6B1W White

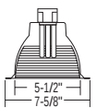




13DTT (IC)
18TRT (Non-IC)

Premium deep baffle, narrow flange

6B2 Black
6B2W White

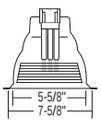




13DTT (IC)
18DTT (Non-IC)
18TRT (Non-IC)

Premium baffle, narrow flange

6B4 Black
6B4W White

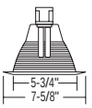




13DTT (IC)
18DTT (Non-IC)
18TRT (Non-IC)

Standard baffle, narrow flange

7B2 Black
7B2W White[1]

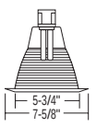




13DTT (IC)

Standard deep baffle, narrow flange

7B5 Black
7B5W White[1]

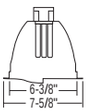




13DTT (IC)

Premium eyelid wallwash

6W1 White

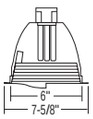




13DTT (IC)
18DTT (Non-IC)
18TRT (Non-IC)

Premium eyelid wallwash w/baffle

6W2 Black
6W2W White





13DTT (IC)
18DTT (Non-IC)
18TRT (Non-IC)

Intended Use

Recessed housing rated IC or Non-IC for new construction applications. Approved for direct burial in insulation (IC) and through-branch circuit wiring. Approved for most wiring and ceiling types.

Features

Air-tight standard. Meets current energy codes.
All electromagnetic ballasts are high-power factor (HPF) except 13W DTT, 120V.
Available with multi-volt (MVOLT) electronic ballast, 120 through 277, with end of life protection.
Steel frame with aluminum can for superior thermal performance for a wider range of trims.
Factory-installed captive bar hangers span 24" and feature built-in nailers and T-bar clips.
Two bar hanger locking screws holds fixture in position.
J-box features poke-home wire connectors, built-in Romex clamps and ground wire.
Socket bracket clips to trim to ensure proper and consistent lamp position.
Suitable for ceilings up to 1" thick.

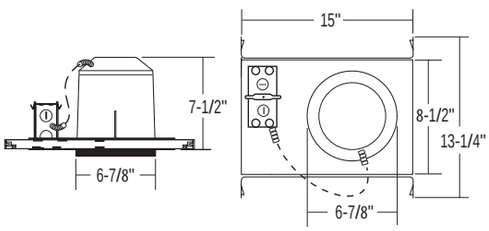
Listings

UL Listed to U.S. and Canadian safety standards.

Ordering Information

Example: **L7XF 18DTT/TRT MVOLT**

Series	Wattage/lamps	Voltage	Options
L7XF	**13DTT**	**MVOLT**	**GEB10** Generic electronic ballast.
	18DTT	**120**	**HPF** High power electromagnetic factor ballast (90% power factor).
	18DTT/TRT	**277**	
	26TRT	**347**	



NOTES:
1 For plastic flange, add suffix PF to catalog number (Example: 7B2WPF).

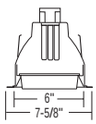
IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

IC/Non-IC Rated Full Trims *– All trims are damp location listed. Lensed trims are listed for wet locations. Lamp types and maximum wattages are listed for each trim. White flange standard.*

Premium glass lens

6LD3 Drop opal, white splay
6LDB3 Drop opal, black baffle
6LF3 Flush white, white splay
6LFB3 Flush white, black baffle
6L4 Fresnel, white splay
6LB4 Fresnel, black baffle

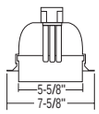




13DTT (IC)
18DTT (Non-IC)
18TRT (Non-IC)

Premium polycarbonate lens

6LD1 Drop opal[1]
6LD2 Drop prismatic[1]
6LF1 Flush opal[1]
6LF2 Flush prismatic[1]





13DTT (IC)
18DTT (Non-IC)
18TRT (Non-IC)

Standard polycarbonate lens

7LD1 Drop opal
7LD1 PF Drop opal, plastic flange
7LD2 PF Drop prismatic, plastic flange





13DTT (IC 2-pin lamp only)

NOTES:
1 For plastic flange, add suffix PF to catalog number (Example: 6LD1PF).

IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

L7XF RECF



Intended Use

Recessed housing rated IC or Non-IC for new construction applications. Approved for direct burial in insulation (IC) and through-branch wiring. Approved for most wiring and ceiling types.

Features

Steel frame with aluminum can for superior thermal performance for a wider range of trims.

Factory-installed, captive bar hangers span 24" and features built-in nailers and T-bar clips.

J-box has poke-home connectors and built-in Romex clamps. Socket clips to trim to ensure proper and consistent lamp position.

120V only electronic ballast standard (4-pin lamp) with end of life protection.

Class P thermally protected against improper contact with insulation.

Listings

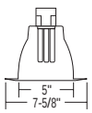
UL Listed to U.S. and Canadian safety standards.

Approved for FCC grade B residential use.

IC/Non-IC Rated Full Trims *– All trims are damp location listed. Lensed trims are listed for wet locations. Lamp types and maximum wattages are listed for each trim. White flange standard.*

Premium open trim, wide flange

601 White

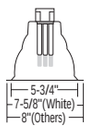




13DTT
26TRT

Premium open trim, narrow flange

602 White
602SA Clear diffuse
602A Clear specular
602SG Gold diffuse
602G Gold specular

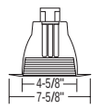




13DTT
26TRT

Premium baffle, wide flange

6B1 Black
6B1W White



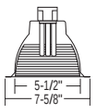


18DTT
26TRT

Premium deep baffle, narrow flange

6B2 Black
6B2W White



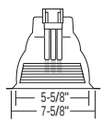


18DTT
26TRT

Premium baffle, narrow flange

6B4 Black
6B4W White



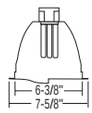


18DTT
26TRT

Premium eyelid wallwash

6W1 White



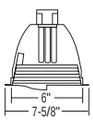


18DTT
26TRT

Premium eyelid wallwash w/baffle

6W2 Black
6W2W White



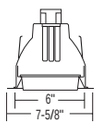


18DTT
26TRT

Premium glass lens

6LD3 Drop opal, white splay
6LDB3 Drop opal, black baffle
6LF3 Flush white, white splay
6LFB3 Flush white, black baffle
6L4 Fresnel, white splay
6LB4 Fresnel, black baffle



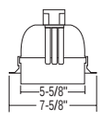


18DTT
26TRT

Premium polycarbonate lens

6LD1 Drop opal[1]
6LD2 Drop prismatic[1]
6LF1 Flush opal[1]
6LF2 Flush prismatic[1]



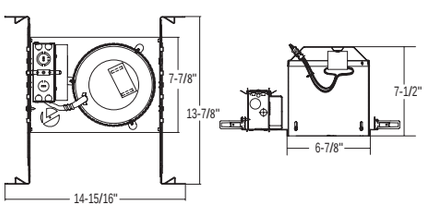


18DTT
26TRT

Ordering Information

Example: **L7XF 26TRT 120 RECF**

Series	Wattage/lamps	Voltage
L7XF	**13DTT/TRT** **18DTT/TRT** **26TRT**	**120 RECF** Residential-grade electronic ballast



NOTES:

1 For plastic flange, add suffix PF to catalog number (Example: 6LD3PF).

IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

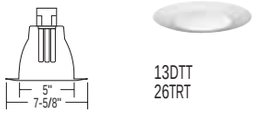
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

LI6F RECF

IC Rated Full Trims *– All trims are damp location listed. Lensed trims are wet location listed. These IC trims also can be used in Non-IC applications using lamps and maximum wattages listed below. White flange standard.*

Premium open trim, wide flange

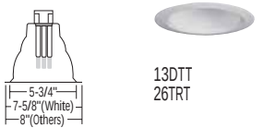
601 White



13DTT
26TRT

Premium open trim, narrow flange

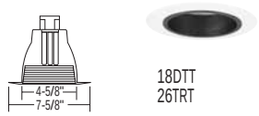
602 White
602SA Clear diffuse
602A Clear specular
602SG Gold diffuse
602G Gold specular



13DTT
26TRT

Premium baffle, wide flange

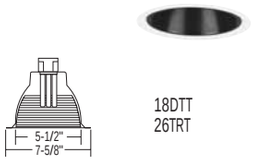
6B1 Black
6B1W White



18DTT
26TRT

Premium deep baffle, narrow flange

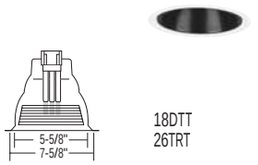
6B2 Black
6B2W White



18DTT
26TRT

Premium baffle, narrow flange

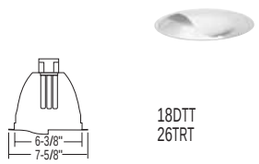
6B4 Black
6B4W White



18DTT
26TRT

Premium eyelid wallwash

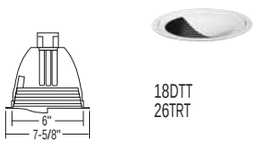
6W1 White



18DTT
26TRT

Premium eyelid wallwash w/baffle

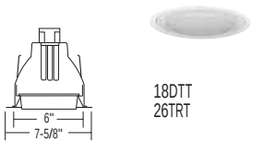
6W2 Black
6W2W White



18DTT
26TRT

Premium glass lens

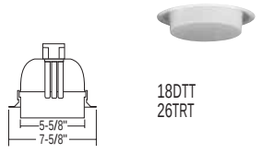
6LD3 Drop opal, white splay
6LDB3 Drop opal, black baffle
6LF3 Flush white, white splay
6LFB3 Flush white, black baffle
6L4 Fresnel, white splay
6LB4 Fresnel, black baffle



18DTT
26TRT

Premium polycarbonate lens

6LD1 Drop opal[1]
6LD2 Drop prismatic[1]
6LF1 Flush opal[1]
6LF2 Flush prismatic[1]

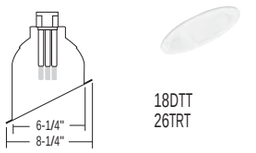


18DTT
26TRT

Sloped ceiling (Directs light straight down from 2/12 (9°) to 12/12 (45°) ceiling pitch.)

Open sloped ceiling

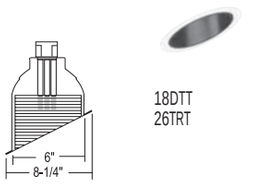
6S01 White



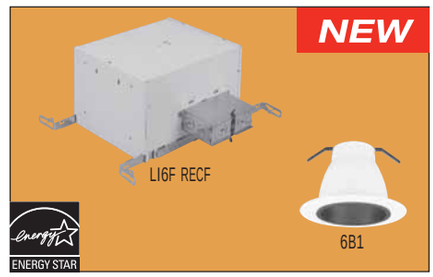
18DTT
26TRT

Baffled sloped ceiling

6SB1 Black
6SB1W White



18DTT
26TRT



Intended Use

Recessed housing rated IC for new construction applications. Housing also can be used in Non-IC applications using lamps, wattages, and trims listed on page. Approved for direct burial in insulation (IC) and through-branch wiring. Approved for most wiring and ceiling types.

Features

Pre-painted steel housing with galvanized steel J-box.

Factory-installed, captive bar hangers span 24" and features built-in nailers and T-bar clips.

J-box has poke-home connectors and built-in Romex clamps. Socket clips to trim to ensure proper and consistent lamp position.

120V only electronic ballast standard (4-pin lamp) with end of life protection. Class P thermally protected against improper contact with insulation.

Listings

UL Listed to U.S. and Canadian safety standards.

Approved for FCC grade B residential use.

Ordering Information

Example: **LI6F 26TRT 120 RECFADEZ**

Series
LI6F

Wattage/lamps
13DTT/TRT
18DTT/TRT
26TRT

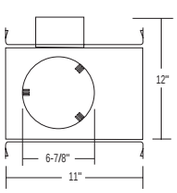
Voltage
120 RECF Residential-grade electronic ballast
120 RECFADEZ Advance Mark10™ electronic dimming ballast. Minimum dimming level 5%.

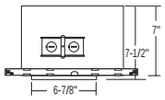
Options
AT Sealed airtight housing to minimize air flow through housing. Complies with WSEC and ASTM E283.

NOTES:
1 For plastic flange, add suffix PF to catalog number (Example: 6LD1PF).

IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.





www.lithonia.com, keyword: LI6F RECF

CKP62



IC Rated Full Trims *– All trims are damp location listed. Lensed trims are wet location listed. These IC trims also can be used in Non-IC applications using lamps and maximum wattages listed below. White flange standard.*

Intended Use

Recessed housing rated IC for new construction applications. Housing also can be used in Non-IC applications using lamps, wattages and trims listed on page. Approved for direct burial in insulation and through-branch wiring. Approved for most wiring and ceiling types.

Features

Steel frame with aluminum can for superior thermal performance for a wider range of trims. 11' inter-connection cable provided with remote unit. Master connector provided with remote unit.

Factory-installed, captive bar hangers span 24" and features built-in nailers and T-bar clips.

J-box has poke-home connectors and built-in Romex clamps.

Socket clips to trim to ensure proper and consistent lamp position.

Standard 26TRT, 120V electronic ballast (4-pin lamp) with end of life protection.

Class P thermally protected against improper contact with insulation.

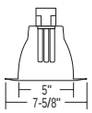
Listings

UL Listed to U.S. and Canadian safety standards.

Approved for FCC grade B residential use.

Premium open trim, wide flange

6O1 White

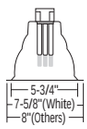




26TRT

Premium open trim, narrow flange

6O2 White
6O2SA Clear diffuse
6O2A Clear specular
6O2SG Gold diffuse
6O2G Gold specular

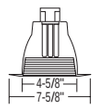




26TRT

Premium baffle, wide flange

6B1 Black
6B1W White



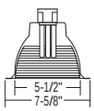


26TRT

Premium deep baffle, narrow flange

6B2 Black
6B2W White



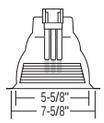


26TRT

Premium baffle, narrow flange

6B4 Black
6B4W White



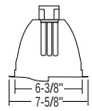


26TRT

Premium eyelid wallwash

6W1 White



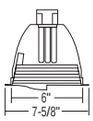


26TRT

Premium eyelid wallwash w/baffle

6W2 Black
6W2W White



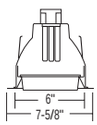


26TRT

Premium glass lens

6LD3 Drop opal, white splay
6LDB3 Drop opal, black baffle
6LF3 Flush white, white splay
6LFB3 Flush white, black baffle
6L4 Fresnel, white splay
6LB4 Fresnel, black baffle



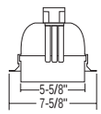


26TRT

Premium polycarbonate lens

6LD1 Drop opal[1]
6LD2 Drop prismatic[1]
6LF1 Flush opal[1]
6LF2 Flush prismatic[1]



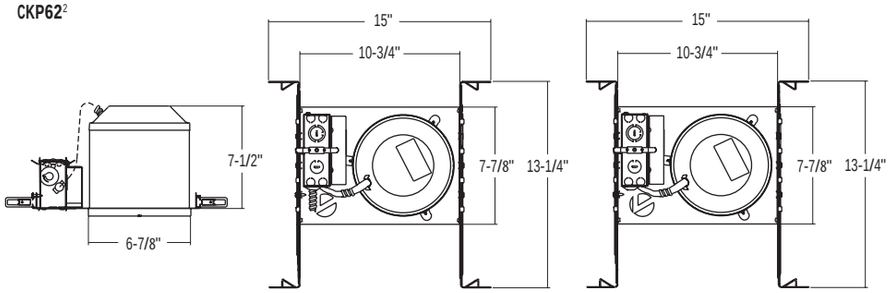


26TRT

Ordering Information

Example: **CKP62**

Series
CKP62[2]



NOTES:
1 For plastic flange, add suffix PF to catalog number (Example: 6LD1PF).
2 26TRT, 120V electronic ballast only.

IMPORTANT: For packaging information, see page 322. See specification sheets for complete trim selection.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

Steplights

Damp Location

IC/Non-IC Rated *– These steplights are damp location listed. Maximum wattage and lamps are listed.*

Faceplate	
(blank)	White
BL	Black

Incandescent
25 A19 (IC)
40 A19 (Non-IC)

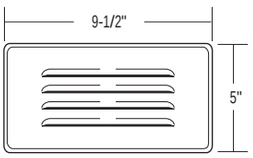
Fluorescent
13DTT (IC)

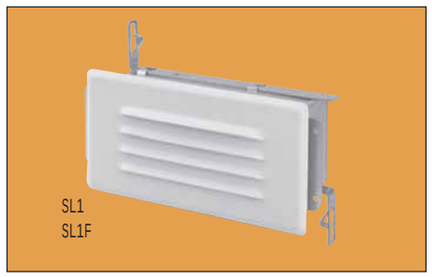


White



Black





Intended Use

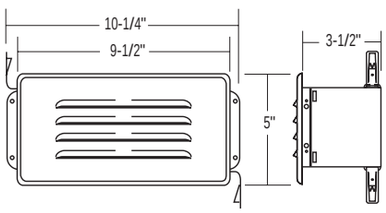
Recessed housing rated IC or Non-IC for new construction applications. For indoor use only.

Features

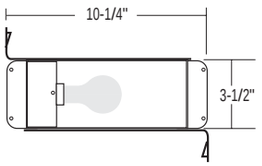
Approved for through-branch circuit wiring.
Galvanized steel housing and wiring compartment with a ground wire.
Bar hangers span 16" with recessed integral nailer tabs.
Powder-coated steel louver available in white or black finish. Butterfly springs hold louver securely in place.
Die-cut foam gasket seals steel louver against surface, preventing light leaks.
Encased-and-potted, normal power factor (NPF) electromagnetic ballast standard (Fluorescent only).

Listings

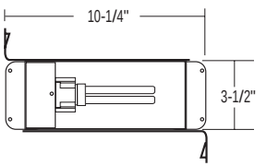
UL Listed to U.S. and Canadian safety standards.



SL1 (Incandescent)



SL1F (Fluorescent)



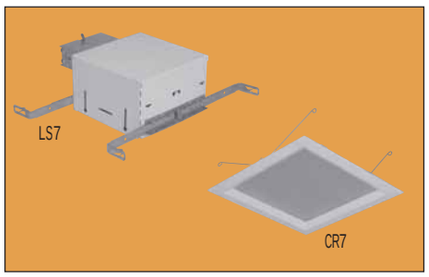
Ordering Information

Example: **SL1F 9DTT BL**

Series	Wattage/Lamps	Faceplate
Incandescent		(blank) White
SL1	N/A	**BL** Black
Fluorescent		
SL1F	**9DTT**	
	13DTT	

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches.

Lensed Squares



Non-IC Rated Trims – These trims are for Non-IC applications only. Lamp type and wattage are determined by housing. Lensed trims are wet location listed.

Intended Use

Recessed housing rated Non-IC for new construction applications. Thermally protected against improper contact with insulation and approved for through-branch circuit wiring. Approved for most wiring and ceiling types.

Features

Housing is damp location listed. When trim is installed the complete unit (housing and trim) is wet location listed.

Heavy-gauge pre-painted steel housing with galvanized steel J-box. Factory-installed, captive bar hangers span 24" and feature built-in nailers.

J-box has built-in Romex clamps and a ground wire.

Encased-and-potted, normal power factor (NPF) electromagnetic ballast standard (Fluorescent only).

Listings

UL Listed to U.S. and Canadian safety standards.

7" lensed squares

FR7 Fresnel

100 A19
2/9TT



FW7 Flat white

100 A19
2/9TT



DO7 Drop opal

100 A19
2/9TT



CR7 Corning C73

100 A19
2/9TT



9" lensed squares

FR9 Fresnel

150 A21
3/9TT
1/13TT
2/13TT



FW9 Flat white

150 A21
3/9TT
1/13TT
2/13TT



DO9 Drop opal

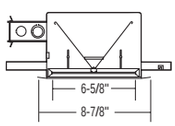
150 A21
3/9TT
1/13TT
2/13TT

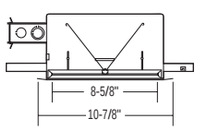


CR9 Corning C73

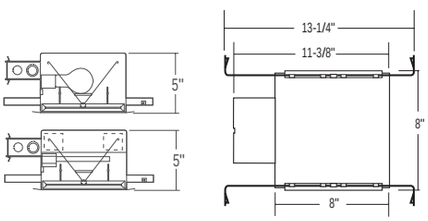
150 A21
3/9TT
1/13TT
2/13TT



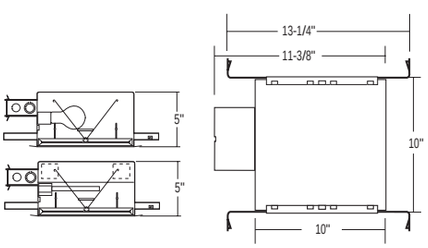




LS7, LSF7



LS9, LSF9



Ordering Information

Example: **LSF9 3/9TT 277**

Series	Wattage/lamps	Voltage	Options
Incandescent	N/A	N/A	N/A
LS7			
LS9			
Fluorescent			
LSF7	**2/9TT**	**120**	**HPF** High power factor (90% power factor for 120V, 277V and 347V).
LSF9	**3/9TT**	**277**	
	1/13TT	**347**	
	2/13TT		

Options

These options must be ordered with housing.

Electronic ballast

GEB10 Generic electronic ballast. <10% THD (total harmonic distortion). Requires four-pin lamp.

MVOLT Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60 Hz. Requires four-pin lamp.

Magnetic ballast

HPF High power factor magnetic ballast, 90% power factor.

Miscellaneous

AT Sealed airtight housing to minimize air flow through housing. Complies with WSEC and certified per ASTM E283.

PHC Factory-installed poke-home wire connectors. (12-20 AWG) Meets UL 486 standards for push-in terminals.

Options Compatibility

(These options must be ordered with housing.)

	GEB10	MVOLT	HPF	PHC	AT
LC6				▲	■
L7X				■	▲
L7XR				■	■
LI6				▲	■
LCP				▲	■
L7XP				▲	▲
L7PR				■	■
L5				■	■
L5R				■	■
LI3				■	■
L3				■	■
L3R				■	■
LV3				■	
LIV3				■	
LV3R				■	
L7XF	■	■	■	▲	▲
L7XF RECF				▲	▲
CKP62				▲	▲
LI6F RECF				▲	■
LS					
LSF			■		

■ Option available
(blank) Option not available
▲ Standard

Accessories

Accessories must be ordered separately.

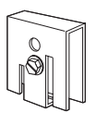
Remodeler clips

ARC Used to secure housings in ceiling in remodel applications. Available in master pack of 24 clips.



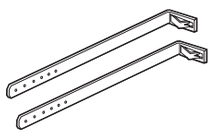
T-Bar mounting clips

LSMC Designed to lock bar hangers to T-bar. Set of 4 clips.



Bar hangers

LBH Extended bar hangers used for extreme off-center mounting in a 24" space. Set of two 22" bar hangers.



Air-tight (vapor barrier) kit

ATK Airtight gasketing seals housing to minimize air flow through housing. Complies with WSEC requirements. Available in master pack of 24 only.

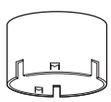
Oversize trim rings

CTR6 8-3/4" (22.2cm) O.D. 7-1/8" (18.1cm) I.D. (Use with 6, 7, C and F6 Series trims. Compatible with all 7-5/8" flanged trims only. Not compatible with CO1 or CB1.



Ceiling thickness extender

CTE Use when ceiling thickness is greater than 1-1/2". Maximum thickness 2" (5.1cm). Not compatible with VPE2, VMB4, 6SB1, 6SO1, F6 Series or 7-Series trims.



Accessories Compatibility

(These accessories must be ordered separately)

	ARC	LSMC	LBH	ATK3	ATK5	ATK6	ATKR
LC6	■	■	■			■	
L7X	■	■	■				
L7XR							■
LI6		■	■				
LCP	■	■	■			■	
L7XP	■	■	■				
L7PR							■
L5	■	■	■		■		
L5R							■
LI3		■	■	■			
L3	■	■	■	■			
L3R							■
LV3	■	■	■				
LIV3		■	■				
LV3R							
L7XF	■	■	■				
L7XF RECF	■	■	■				
CKP62	■	■	■				
LI6F RECF	■	■					
LS		■	■				
LSF		■	■				

■ Option available
(blank) Option not available

Packaging

Because Lithonia's downlighting housings and trims are packaged and shipped as separate components *(except steplights, which are shipped as complete fixtures)*, they usually are ordered as separate line items. However, housing and trim descriptions may be combined on a single line item.

ORDERED AS SEPARATE LINE ITEMS:

Line	Qty.	Catalog No.
1	15	L5
2	15	5B2
3	3	LV3
4	3	3VB1

ORDERED AS ONE LINE ITEM:

Line	Qty.	Catalog No.
1	15	L5 5B2
2	3	LV3 3VB1

Regardless of ordering method, components will be shipped in optimized packaging:

Master, resale or job pack configurations, if available, with unit packs are used to fill odd lot quantities. To over-ride packaging optimization, items may be ordered specifying the "U" packaging suffix. Specifying unit packaging or ordering quantities that are not even-numbered multiples of available master/job pack configurations may result in higher pricing.

Will Ship As

Line	Qty.	Catalog No.*	Description
1	12	L5 M6	2 master cartons containing 6 housings each
2	3	L5 U	3 unit cartons containing 1 housing each
3	12	5B2 M6	2 master cartons containing 6 trims each
4	3	5B2 U	3 unit cartons containing 1 trim each
5	3	LV3	3 unit cartons containing 1 housing
6	3	3VB1	3 unit cartons containing 1 trim each

Will Ship As

*Various suffixes are used (after the product description) to indicate packaging configurations.

M followed by a number indicates a master pack of that number of items per shipping carton. Master-packed items *are* UPC-labeled and packaged appropriately for individual resale, but not for reshipment.

R followed by a number indicates a master pack of that number of items per shipping carton. Resale-packed items *are* UPC-labeled and packaged appropriately for individual resale, but not for reshipment.

J followed by a number indicates a job pack of that number of items per shipping carton. Job packed items *are not* UPC-labeled for individual sale.

Determining the proper placement of recessed fixtures is simple when using the following steps. The guidelines in this section provide general parameters that can be applied in almost any application.

Step 1. Calculate the mounting height.
The mounting height is the distance from the fixture to the work surface. If the work surface is the floor, mounting height equals ceiling height. If the work surface is a countertop, mounting height is ceiling height minus countertop height.

Step 2. Choose the lamp.
Refer to the lamp performance data below to select the lamp that will provide the desired light level at the specified mounting height.

Step 3. Calculate appropriate fixture spacing.
The chart below shows the footcandle (fc) levels and lighted diameter at various mounting heights. The lighted diameter becomes the maximum spacing to achieve uniform light levels and shows the area illuminated for accent lighting.

		5'		8'		10'		12'	
Mounting Height		fc	Dia/ Spacing	fc	Dia/ Spacing	fc	Dia/ Spacing	fc	Dia/ Spacing
R20									
20 watts	Flood	22	3.4	9	5.5	6	6.9	4	8.3
20 watts	Flood	22	3.4	9	5.5	6	6.9	4	8.3
BR30									
65 watts	Flood	19	8.4	7	13.4	5	16.8	3	20.1
	Spot	50	2.3	20	3.7	13	4.6	9	5.5
BR40									
75 watts	Flood	18	7.8	7	12.5	5	15.6	3	18.8
100 watts	Flood	36	7.8	14	12.5	9	15.6	6	18.8
	Spot	200	1.9	78	3.1	50	3.9	35	4.7
120 watts	Flood	52	7.8	20	12.5	13	15.6	9	18.8
	Spot	280	1.9	109	3.1	70	3.9	49	4.7
PAR20 Halogen									
35 watts	Narrow flood	36	2.7	14	4.3	9	5.4	6	6.4
	Narrow spot	131	0.8	51	1.3	33	1.6	23	1.9
50 watts	Flood	56	2.7	22	4.3	14	5.4	10	6.4
	Spot	128	1.4	50	2.2	32	2.8	22	3.4
	Narrow spot	248	0.8	97	1.3	62	1.6	43	1.9
PAR30 Halogen									
50 watts	Wide flood	20	5.5	8	8.9	5	11.1	3	13.3
	Flood	50	3.6	20	5.8	13	7.3	9	8.7
	Narrow flood	76	2.7	30	4.3	19	5.4	13	6.4
	Very narrow flood	108	2.1	42	3.4	27	4.3	19	5.1
	Spot	260	1.1	102	1.7	65	2.1	45	2.5
	Narrow spot	396	0.8	155	1.3	99	1.6	69	1.9
75 watts	Flood	88	3.6	34	5.8	22	7.3	15	8.7
	Narrow flood	136	2.7	53	4.3	34	5.4	24	6.4
	Spot	420	1.1	164	1.7	105	2.1	73	2.5
	Narrow spot	620	0.8	242	1.3	155	1.6	108	1.9
PAR38 Halogen									
45 watts	Narrow flood	72	2.7	28	4.3	18	5.4	13	6.4
	Spot	180	1.3	70	2.1	45	2.6	31	3.2
60 watts	Wide flood	50	5.0	20	8.0	13	10.0	9	12.0
	Narrow flood	146	2.6	57	4.1	37	5.2	25	6.2
	Narrow spot	740	0.9	289	1.4	185	1.7	128	2.1
75 watts	Narrow flood	100	2.7	39	4.3	25	5.4	17	6.4
	Spot	480	1.1	188	1.8	120	2.3	83	2.7
	Narrow spot	736	0.7	288	1.1	184	1.4	128	1.7
90 watts	Wide flood	60	5.2	23	8.3	15	10.4	10	12.5
	Narrow flood	160	2.7	63	4.3	40	5.4	28	6.4
	Spot	460	1.3	180	2.1	115	2.6	80	3.2
	Narrow spot	900	0.8	352	1.3	225	1.6	156	1.9
100 watts	Narrow flood	220	3.2	86	5.0	55	6.3	38	7.6
	Narrow spot	1200	0.9	469	1.4	300	1.7	208	2.1
150 watts	Wide flood	100	5.2	39	8.3	25	10.4	17	12.5
	Narrow flood	300	2.7	117	4.3	75	5.4	52	6.4
	Narrow spot	1500	0.8	586	1.3	375	1.6	260	1.9
PAR38 Halogen									
35 watts	Flood	64	3.6	25	5.8	16	7.3	11	8.7
	Spot	160	1.6	63	2.5	40	3.2	28	3.8
	Narrow spot	520	0.7	203	1.1	130	1.4	90	1.7
50 watts	Wide flood	46	5.2	18	8.3	12	10.4	8	12.5
	Flood	74	3.6	29	5.8	19	7.3	13	8.7
	Narrow flood	98	2.9	38	4.6	25	5.7	17	6.9
	Very narrow flood	136	2.4	53	3.8	34	4.8	24	5.8
	Spot	408	1.2	159	2.0	102	2.5	71	2.9
75 watts	Flood	84	3.8	33	6.1	21	7.7	15	9.2
	Very narrow flood	196	2.2	77	3.5	49	4.4	34	5.3
	Spot	512	1.2	200	2.0	128	2.5	89	2.9
PAR38 Halogen									
35 watts	Very narrow spot	920	0.4	359	0.7	230	0.9	160	1.0
	Narrow spot	204	0.9	80	1.4	51	1.7	35	2.1
	Narrow flood	47	2.7	18	4.3	12	5.4	8	6.4
50 watts	Narrow spot	368	0.9	144	1.4	92	1.7	64	2.1
	Narrow flood	52	2.5x3.2	20	4.0x5.2	13	5.0x6.5	9	6.0x7.8
	Flood	24	3.4	9	5.5	6	6.9	4	8.3

NOTES: The fixture spacing criteria from Step 3 are maximums. Fixture placement should be technically correct and aesthetically pleasing. Work with the spacing criteria and a drawing of the area being illuminated to determine actual fixture placement and number of fixtures needed. Remember, these are only guidelines. Exact fixture location may be impacted by joist spacing, furniture placement and work surface locations.



Track Lighting

Lithonia Track is a full-featured line of commercial track and display lighting available in one-circuit and two-circuit configurations.

The Lithonia Track family includes line and low voltage track heads for a wide range of popular lamps and also features a full selection of accessory filters and louvers.





CONTENTS





































LTD Series

Color-Corrected Metal Halide 326
Compact Fluorescent 327

LTC Series

Incandescent Line Voltage 328
Incandescent Low Voltage 333

LTE Series

Incandescent Line Voltage 335

Track

Sections 337
Configurations 338
Layout Guide 339
Connectors and Accessories 340
Head Accessories 344
Lens (Filters) and Louvers 345

Color-Corrected Metal Halide

LTD

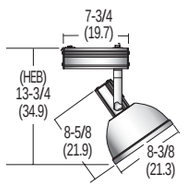
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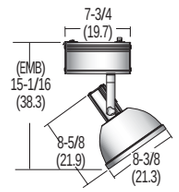
Example: **LTD REFL 50M SP HEB WH**

LTD								
Series	Head style	Lamp designation	Distribution	Size	Voltage	Ballast	Finish	Options

Premium Reflector, Color-Corrected Metal Halide



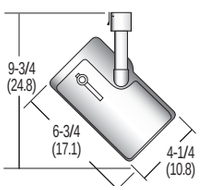




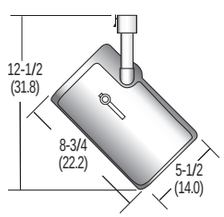
Head style	**REFL**	
Lamp designation	**50M**	
	70M	
	100M	
	150M[1]	
Distribution	**SP**	Spot
	NFL	Narrow flood
	WFL	Wide flood
Size		N/A
Voltage		N/A
Ballast	**HEB**	Electronic
	EMB	Electromagnetic
Finish	**WH**	White
	DBL	Black
	DTS	Textured silver
Options	**CM**	For direct mount to j-box[2]
	CGL	Clear tempered glass lens
	WLP	With lamp
Accessories:		Order separately
		N/A

Color-Corrected Metal Halide





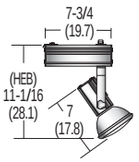
Head style	**CCH**	
Lamp designation	**39M**	
Distribution		N/A
Size	**20**	
Voltage	**120**	
Ballast	**HEB**	Electronic
	EMB	Electromagnetic
Finish	**DWHG**	Matte white, textured
	DBL	Black
Options	**LPSP**	Spot lamp
	LPFL	Flood lamp
Accessories:		Order separately
		N/A

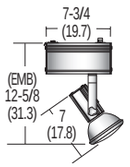


Head style	**CCH**	
Lamp designation	**39M**	
	70M	
Distribution		N/A
Size	**30**	
Voltage	**120**	
Ballast	**HEB**	Electronic
Finish	**DWHG**	Matte white, textured
	DBL	Black
Options	**LPSP**	Spot lamp
	LPFL	Flood lamp
Accessories:		Order separately
		N/A

Premium Lampholder, Color-Corrected Metal Halide







Head style	**LPHR**	
Lamp designation	**39M**	
	70M	
	100M	
	150M[1]	
Distribution		N/A
Size	**20**	
	30	
	38	
Voltage		N/A
Ballast	**HEB**	Electronic
	EMB	Electromagnetic
Finish	**WH**	White
	DBL	Black
	DTS	Textured silver
Options	**CM**	For direct mount to j-box[2]
	LPSP	Spot lamp
	LPFL	Flood lamp
	LPWFL	Wide flood lamp[3]
Accessories:		Order separately
Filter holder	**LTWFH400** (color)[4]	
	LTWFH500 (color)[4]	
	LTWFH700 (color)[4]	
Lens	**F400** (color)[4]	
	F500 (color)[4]	
	F700 (color)[4]	
Louver	**L400** (color)[4]	
	L500 (color)[4]	
	L700 (color)[4]	

Lamp/Wattage & Accessories Compatability

Lamp/Wattage					Accessories		
Lamp	39W	70W	100W	150W	400	500	700
PAR20	■				■		
PAR30	■	■				■	
PAR38		■	■	■			■

NOTES:
1 Available with EMB ballast only.
2 CM option with EMB ballast uses 120/277V dual tap ballast; HEB ballast uses 120 through 277 multi-volt ballast.
3 Available for use with size 38 only.
4 Filter holder required when ordering lenses or louvers. For accessory ordering information, see pages 344-345.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

LTD

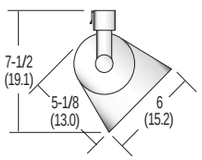
Ordering Information

Example: **LTD CFWW 1/26DTT 12AP 120 DWHG**

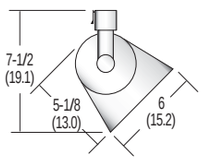
LTD							
Series	Head style	Lamp designation	Housing size	Louver style	Voltage	Finish	Options

Wallwash, Compact Fluorescent





Head style	**CFWW**	
Lamp designation	**1/26DTT**	
	1/26TRT	
	1/32TRT	
	1/42TRT	
Housing size	**12**	12" nominal length
Louver style	(blank)	Open aperture
	AP	Clear semi-diffuse, low-iridescent parabolic
	WHP	White
	BLP	Black
Voltage	**120**	
Finish	**DWHG**	Matte white, textured
	DBL	Black
	DTS	Textured silver
Options	**WLP**	35K lamp (shipped separately)
Accessories:		Order separately
		N/A



Head style	**CFWW**	
Lamp designation	**2/26DTT**	
	2/32TRT	
	2/42TRT	
Housing size	**20**	20" nominal length
Louver style	(blank)	Open aperture
	AP	Clear semi-diffuse, low-iridescent parabolic
	WHP	White
	BLP	Black
Voltage	**120**	
Finish	**DWHG**	Matte white, textured
	DBL	Black
	DTS	Textured silver
Options	**WLP**	35K lamp (shipped separately)
Accessories:		Order separately
		N/A

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

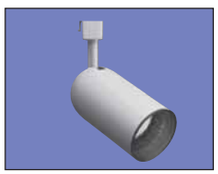
Roundback and Flatback Cylinders

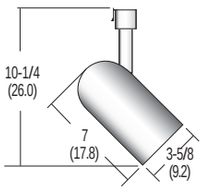
LTC

Ordering Information Example: **LTC RNDB PAR20 MB WH**

LTC				
Series	Head style	Lamp designation	Trim type	Finish

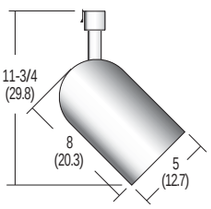
Roundback, Line Voltage





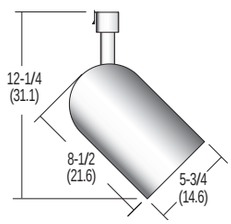
Head style	**RNDB**	
Lamp designation	**PAR20**	(50W max.)[1]
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories:		Order separately
Filter holder	**LTFH500** (color)[2]	
Lens	**F500** (color)[2]	
Louver	**L500** (color)[2]	
Barn door	**LTBD500** (color)[2]	



Head style	**RNDB**	
Lamp designation	**PAR30**	(75W max.)[3]
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories:		Order separately
Filter holder	**LTFH700** (color)[2]	
Lens	**F700** (color)[2]	
Louver	**L700** (color)[2]	
Barn door	**LTBD700** (color)[2]	

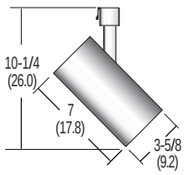


Head style	**RNDB**	
Lamp designation	**PAR38**	(Q250W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories:		Order separately
Filter holder	**LTFH800** (color)[2]	
Lens	**F800** (color)[2]	
Louver	**L800** (color)[2]	
Barn door	**LTBD800** (color)[2]	

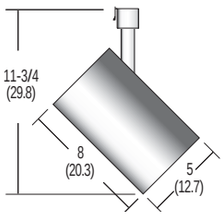
Flatback, Line Voltage





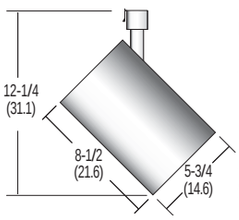
Head style	**FLTB**	
Lamp designation	**PAR20**	(50W max.)[1]
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories:		Order separately
Filter holder	**LTFH500** (color)[2]	
Lens	**F500** (color)[2]	
Louver	**L500** (color)[2]	
Barn door	**LTBD500** (color)[2]	



Head style	**FLTB**	
Lamp designation	**PAR30**	(75W max.)[3]
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories:		Order separately
Filter holder	**LTFH700** (color)[2]	
Lens	**F700** (color)[2]	
Louver	**L700** (color)[2]	
Barn door	**LTBD700** (color)[2]	



Head style	**FLTB**	
Lamp designation	**PAR38**	(Q250W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories:		Order separately
Filter holder	**LTFH800** (color)[2]	
Lens	**F800** (color)[2]	
Louver	**L800** (color)[2]	
Barn door	**LTBD800** (color)[2]	

NOTES:
1 PAR16 (60W max.) compatible.
2 Filter holder or barn door required when ordering lens or louvers. For accessory ordering information, see pages 344-345.
3 Socket extender must be used with short-neck lamps. Order TP30 SE (shipped separately).

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

LTC

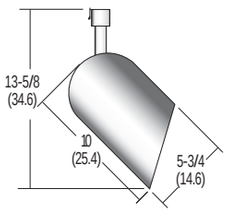
Ordering Information Example: **LTC WWRD PAR38 WH**

LTC			
Series	Head style	Lamp designation	Finish

Roundback Wallwash, Line Voltage



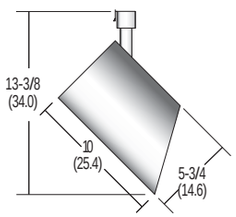
Head style	**WWRD**	
Lamp designation	**PAR38**	(Q250W max.)
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		N/A



Flatback Wallwash, Line Voltage



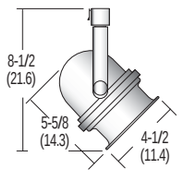
Head style	**WWFT**	
Lamp designation	**PAR38**	(Q250W max.)
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		N/A

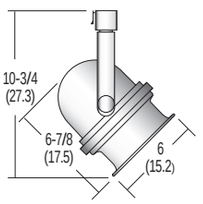


Bellspot, Line Voltage

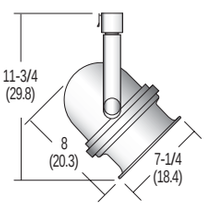


Head style	**BLSP**	
Lamp designation	**PAR20**	(50W max.)[1]
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		N/A





Head style	**BLSP**	
Lamp designation	**PAR30**	(75W max.)
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		N/A



Head style	**BLSP**	
Lamp designation	**PAR38**	(Q250W max.)
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		N/A

NOTES:

1 PAR16 (60W max.) compatible.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Gimbal Rings

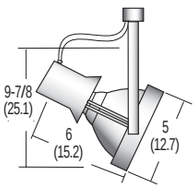
LTC

Ordering Information Example: **LTC GMBR PAR20 WH**

LTC				
Series	Head style	Lamp designation	Stem length	Finish

Gimbal Lampholder, Line Voltage

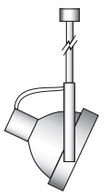




Head style	**GLPR**	(front loading gimbal ring)
Lamp designation	**PAR38**	(Q250W max.)
Stem length		N/A
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		N/A

Stem-Mounted Gimbal Rings, Line Voltage





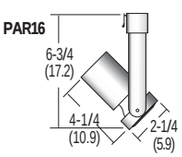
Consult factory for dimensions.

Head style	**GMBR**	
Lamp designation	**PAR16**	(60W max.)[1]
	PAR20	(50W max.)
	PAR30	(75W max.)
	PAR38	(Q250W max.)
	PAR38/3	(150W max.)
Stem length	**ST12**	12"
	ST18	18"
	ST24	24"
	ST36	36"
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		Lamp designation specific.[2]

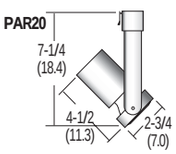
Gimbal Rings, Line Voltage



PAR16



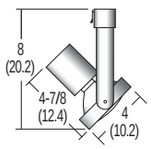
PAR20



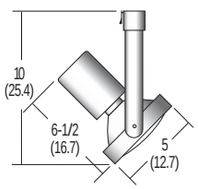
Head style	**GMBR**	
Lamp designation	**PAR16**	(60W max.)[1]
	PAR20	(50W max.)
Stem length		N/A
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
Filter holder	**LTGCS**[3]	
Lens	**F400** (color)[2]	
Louver	**L400** (color)[2]	
Barn door	**LTGBD400** (color)[2]	

Gimbal Rings, Line Voltage

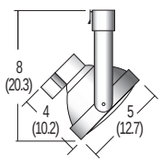




Head style	**GMBR**	
Lamp designation	**PAR30**	(75W max.)
Stem length		N/A
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
Filter holder	**LTGCS**[3]	
Lens	**F500** (color)[2]	
Louver	**L500** (color)[2]	
Barn door	**LTGBD500** (color)[2]	



Head style	**GMBR**	
Lamp designation	**PAR38**	(Q250W max.)
Stem length		N/A
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
Filter holder	**LTGCS**[3]	
Lens	**F700** (color)[2]	
Louver	**L700** (color)[2]	
Barn door	**LTGBD701** (color)[2]	



Head style	**GMBR**	
Lamp designation	**PAR38/3**	(150W max.)
Stem length		N/A
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
Filter holder	**LTGCS**[3]	
Lens	**F700** (color)[2]	
Louver	**L700** (color)[2]	
Barn door	**LTGBD701** (color)[2]	

NOTES:

1 Not compatible with Philips PAR16 lamp. Accessories not available.

2 Filter holder or barn door required when ordering lenses or louvers. For accessory ordering information, see pages 344-345.

3 Available only in black. Accommodates up to two lenses or louvers.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

LTC

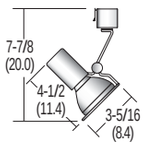
Ordering Information

Example: **LTC STPC PAR20 MB WH**

LTC				
Series	Head style	Lamp designation	Trim type	Finish

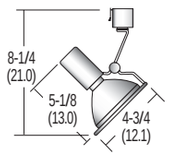
Wireform, Line Voltage





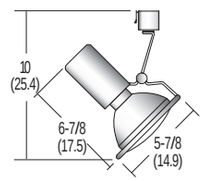
Head style	**WRFM**	
Lamp designation	**PAR20**	(50W max.)[1]
Trim type		N/A
Finish	**WH**	White
	DBL	Black
	DTS	Textured silver

Accessories:		Order separately
Filter holder	**LTWFH400** (color)[2]	
Lens	**F400** (color)[2]	
Louver	**L400** (color)[2]	
Barn door	**LTWBD400** (color)[2]	



Head style	**WRFM**	
Lamp designation	**PAR30**	(75W max.)[3]
Trim type		N/A
Finish	**WH**	White
	DBL	Black
	DTS	Textured silver

Accessories:		Order separately
Filter holder	**LTWFH500** (color)[2]	
Lens	**F500** (color)[2]	
Louver	**L500** (color)[2]	
Barn door	**LTWBD500** (color)[2]	

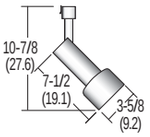


Head style	**WRFM**	
Lamp designation	**PAR38**	(Q250W max.)
Trim type		N/A
Finish	**WH**	White
	DBL	Black
	DTS	Textured silver

Accessories:		Order separately
Filter holder	**LTWFH700** (color)[2]	
Lens	**F700** (color)[2]	
Louver	**L700** (color)[2]	
Barn door	**LTWBD700** (color)[2]	

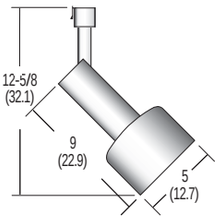
Step Cylinders, Line Voltage





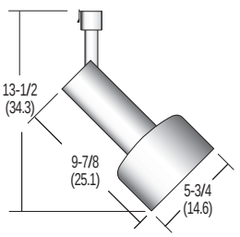
Head style	**STPC**	
Lamp designation	**PAR20**	(50W max.)[1]
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories:		Order separately
Filter holder	**LTFH500** (color)[2]	
Lens	**F500** (color)[2]	
Louver	**L500** (color)[2]	
Barn door	**LTBD500** (color)[2]	



Head style	**STPC**	
Lamp designation	**PAR30**	(75W max.)[3]
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories:		Order separately
Filter holder	**LTFH700** (color)[2]	
Lens	**F700** (color)[2]	
Louver	**L700** (color)[2]	
Barn door	**LTBD700** (color)[2]	



Head style	**STPC**	
Lamp designation	**PAR38**	(Q250W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories:		Order separately
Filter holder	**LTFH800** (color)[2]	
Lens	**F800** (color)[2]	
Louver	**L800** (color)[2]	
Barn door	**LTBD800** (color)[2]	

NOTES:

1 PAR16 (60W max.) compatible.

2 Filter holder or barn door required when ordering lenses or louvers. For accessory ordering information, see pages 344-345.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

PAR Shade and Lampholder

LTC

Ordering Information

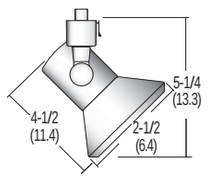
Example: **LTC PRSD PAR30 WH**

LTC			
Series	Head style	Lamp designation	Finish

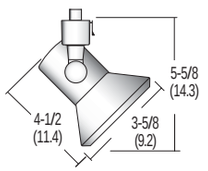
PAR Shade, Line Voltage



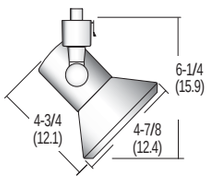
Head style	**PRSD**	
Lamp designation	**PAR16/38**[1]	
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		N/A



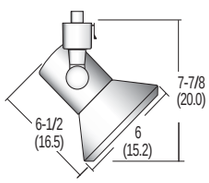
Shown with PAR16 lamp dimensions.



Head style	**PRSD**	
Lamp designation	**PAR20**	(50W max.)
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
Filter holder	**LTWFH400** (color)[2]	
Lens	**F400** (color)[2]	
Louver	**L400** (color)[2]	



Head style	**PRSD**	
Lamp designation	**PAR30**	(75W max.)[3]
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
Filter holder	**LTWFH500** (color)[2]	
Lens	**F500** (color)[2]	
Louver	**L500** (color)[2]	

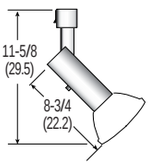


Head style	**PRSD**	
Lamp designation	**PAR38**	(150W max.)
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
Filter holder	**LTWFH700** (color)[2]	
Lens	**F700** (color)[2]	
Louver	**L700** (color)[2]	

Lampholder, Line Voltage



Head style	**LPHR**	
Lamp designation	**PAR38**[4]	
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		N/A



Shown with PAR38 lamp dimensions.

Lampholder accessories are lamp-type specific	
PAR16, PAR20	N/A
PAR30	
Lens	**F400** (color)[2]
Louver	**L400** (color)[2]
Hood	**H400** (color)[5]
PAR38	
Lens	**F600** (color)[2]
Louver	**L600** (color)[2]
Hood	**H600** (color)[5]

NOTES:

1 Maximum wattage PAR16 (60W), PAR20 (50W), PAR30 (75W) and PAR38 (150W).

2 Filter holder or hood required when ordering lenses or louvers. For accessory ordering information, see pages 344-345.

3 If using filter holder, use long-neck PAR30 lamp. Without filter holder, short-neck PAR30 lamp is recommended.

4 PAR38 lamp designation is used for all lamp types. Maximum wattage PAR16 (60W), PAR20 (50W), PAR30 (75W) and PAR38 (Q250W).

5 Hood required when ordering lenses or louvers. For accessory ordering information, see pages 344-345.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

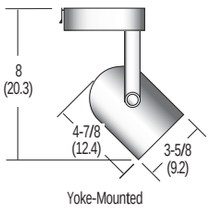
LTC

Ordering Information Example: **LTC FLTB PAR36 MB WH**

LTC				
Series	Head style	Lamp designation	Trim type	Finish

Mini Roundback, Low Voltage (Electronic Transformer)



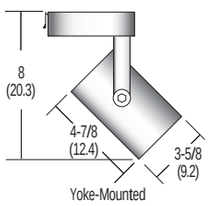


Head style	**RNDY**	
Lamp designation	**MR16**	(50W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories:		Order separately
Filter holder	**LTFH500** (color)[1]	
Lens	**F200** (color)[1,2]	
	F500 (color)[1]	
Louver	**L200** (color)[1,2]	
	L500 (color)[1]	
Barn door	**LTBD500** (color)[1]	

Mini Flatback, Low Voltage (Electronic Transformer)



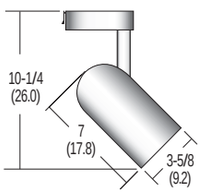


Head style	**FLTY**	
Lamp designation	**MR16**	(50W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories:		Order separately
Filter holder	**LTFH500** (color)[1]	
Lens	**F200** (color)[1]	
	F500 (color)[1]	
Louver	**F200** (color)[1]	
	L500 (color)[1]	
Barn door	**LTBD500** (color)[1]	

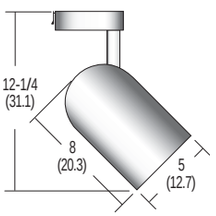
Roundback, Low Voltage (Electronic Transformer)





Head style	**RNDB**	
Lamp designation	**MR16/50**	(50W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	black

Accessories:		Order separately
Filter holder	**LTFH500** (color)[1]	
Lens	**F200** (color)[1,2]	
	F500 (color)[1]	
Louver	**L200** (color)[1,2]	
	L500 (color)[1]	
Barn door	**LTBD500** (color)[1]	

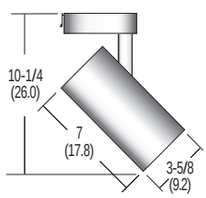


Head style	**RNDB**	
Lamp designation	**MR16/75**	(75W max.)
	PAR36	(75W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories:		Order separately
Filter holder	**LTFH700** (color)[1]	
Lens	**F200** (color)[1]	
	F700 (color)[1]	
Louver	**L200** (color)[1]	
	L700 (color)[1]	
Barn door	**LTBD700** (color)[1]	

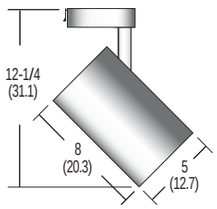
Flatback, Low Voltage (Electronic Transformer)





Head style	**FLTB**	
Lamp designation	**MR16/50**	(50W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories:		Order separately
Filter holder	**LTFH500** (color)[1]	
Lens	**F200** (color)[1]	
	F500 (color)[1]	
Louver	**L200** (color)[1]	
	L500 (color)[1]	
Barn door	**LTBD500** (color)[1]	



Head style	**FLTB**	
Lamp designation	**MR16/75**	(75W max.)
	PAR36	(75W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories:		Order separately
Filter holder	**LTFH700** (color)[1]	
Lens	**F200** (color)[1]	
	F700 (color)[1]	
Louver	**L200** (color)[1]	
	L700 (color)[1]	
Barn door	**LTBD700** (color)[1]	

NOTES:

1 Filter holder or barn door required when ordering lenses or louvers. For accessory ordering information, see pages 344-345.

2 Available only with MR16 lamp designation.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Gimbal Rings and Bellspot – Low Voltage

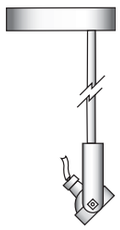
LTC

Ordering Information Example: **LTC GMBR PAR36 WH**

LTC					
Series	Head style	Lamp designation	Shielding	Stem length	Finish

Stem-Mounted Gimbal Rings, Low Voltage (Electronic Transformer)



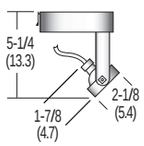


Consult factory for dimensions.

Head style	**GMBR**	
Lamp designation	**MR16**	(75W max.)
	PAR36	(75W max.)
Shielding	(blank)	Open
	BMDR	Beam director[1]
Stem length	**ST12**	12"
	ST18	18"
	ST24	24"
	ST36	36"
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
Filter holder	**LTGCS**[2]	
Lens	**F200** (color)[1,3]	
	F700 (color)[3]	
Louver	**L200** (color)[1,3]	
	L700 (color)[3]	
Barn door	**LTGBD700** (color)[3]	

Gimbal Rings, Low Voltage (Electronic Transformer)





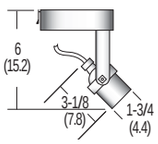
Head style	**GMBR**	
Lamp designation	**MR16**	(75W max.)
Shielding		N/A
Stem length		N/A
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
Lens	**F200** (color)[1,3]	
Louver	**L200** (color)[1,3]	
Barn door	**LTGBD200** (color)[3]	

NOTES:
1 Available only with MR16 lamp designation.
2 Available only in black. Available only with PAR36 lamp designation. Accomodates up to two lens or louvers.
3 Filter holder or barn door required when ordering lenses or louvers. For accessory ordering information, see pages 344-345.
4 Not available with BMDR.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

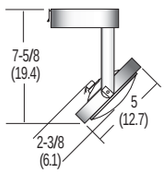
Gimbal Rings, Low Voltage (Electronic Transformer)





Head style	**GMBR**	
Lamp designation	**MR16**	(75W max.)
Shielding	**BMDR**	Beam director[1]
Stem length		N/A
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
Lens	**F200** (color)[1,3]	
Louver	**L200** (color)[1,3]	

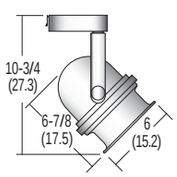




Head style	**GMBR**	
Lamp designation	**PAR36**	(75W max.)
Shielding		N/A
Stem length		N/A
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
Filter holder	**LTGCS**[2]	
Lens	**F700** (color)[3]	
Louver	**L700** (color)[3]	
Barn door	**LTGBD700** (color)[3]	

Bellspot, Low Voltage (Electronic Transformer)





Head style	**BLSP**	
Lamp designation	**MR16**	(50W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
Lens	**F200** (color)[1,3]	
Louver	**L200** (color)[1,3]	

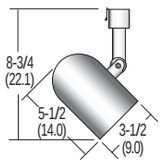
LTE

Ordering Information Example: **LTE RNDB PAR20 MB WH**

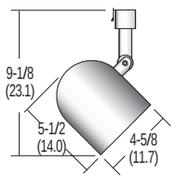
LTE				
Series	Head style	Lamp designation	Trim type	Finish

Roundback, Line Voltage

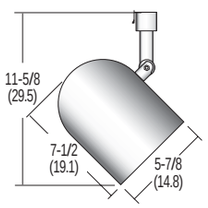




Head style	**RNDB**	
Lamp designation	**PAR20**	(50W max.)[1]
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		N/A



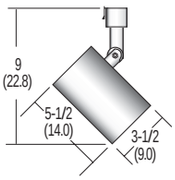
Head style	**RNDB**	
Lamp designation	**PAR30**	(75W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		N/A



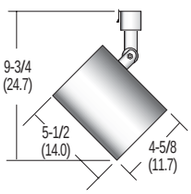
Head style	**RNDB**	
Lamp designation	**PAR38**	(150W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		N/A

Flatback, Line Voltage

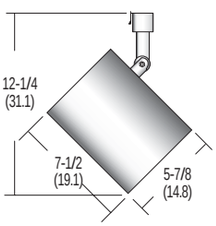




Head style	**FLTB**	
Lamp designation	**PAR20**	(50W max.)[1]
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		N/A



Head style	**FLTB**	
Lamp designation	**PAR30**	(75W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		N/A



Head style	**FLTB**	
Lamp designation	**PAR38**	(150W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black
Accessories:		Order separately
		N/A

NOTES:
1 PAR16 (60W max.) compatible.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Step Cylinders and Lampholders

LTE

Ordering Information Example: **LTE STPC PAR20 MB WH**

LTE				
Series	Head style	Lamp designation	Trim type	Finish

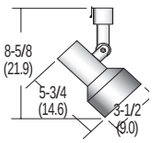
Step Cylinder, Line Voltage

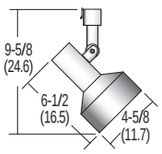


Head style	**STPC**	
Lamp designation	**PAR20**	(50W max.)[1]
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories: Order separately

N/A

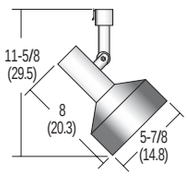




Head style	**STPC**	
Lamp designation	**PAR30**	(75W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories: Order separately

N/A



Head style	**STPC**	
Lamp designation	**PAR38**	(150W max.)
Trim type	**MB**	Black baffle
	WB	White baffle
Finish	**WH**	White
	DBL	Black

Accessories: Order separately

N/A

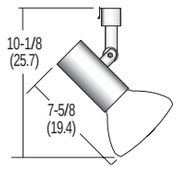
Lampholder, Line Voltage



Head style	**LPHR**	
Lamp designation	**PAR38**[2]	
Trim type		N/A
Finish	**WH**	White
	DBL	Black

Accessories: Order separately

N/A



Shown with PAR38 lamp dimensions.

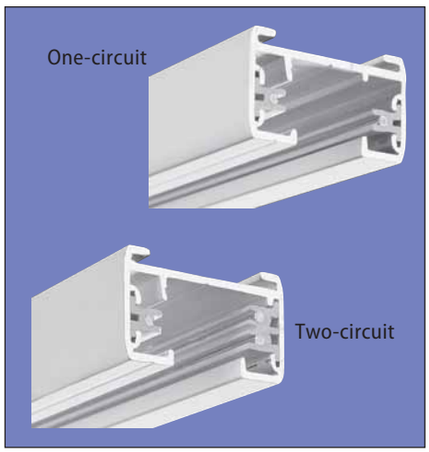
NOTES:

1 PAR16 (60W max.) compatible.

2 PAR38 lamp designation is used for all lamp types (PAR16 (60W max.), PAR20 (50W max.), PAR30 (75W max.) and PAR38 (150W max).

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Track



Intended Use

One- or two-circuit track sections for use with Lithonia Lighting track fixtures. Common applications include retail, grocery, museums or any application requiring accent illumination and the versatility of track lighting systems.

Features

Low-profile, heavy-gauge, extruded aluminum channel for maximum rigidity, available in white, black or aluminum finishes.

Track sections and connectors are designed to consider dimensional restrictions of T-bar grid ceilings.

Track sections can be surface- or pendant-mounted individually or joined to form continuous rows.

Electrical System – *One circuit:* One 20-amp circuit, #12 gauge copper conductors are co-extruded in PVC insulator. *Two circuit:* Two 20-amp circuits, #12 gauge copper conductors are co-extruded in PVC insulator. Two-circuit track shares one neutral.

Visible polarity line indicates proper electrical connection and mechanical alignment.

Live end or feed connector must be used to power track.

Listings

UL Listed to U.S. and Canadian safety standards.

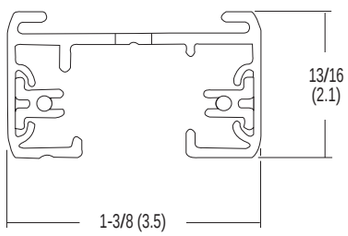
One-Circuit Track

Ordering Information

Example: **LT2 WH**[1]

Series		Finish	
LT2	2-foot section. Actual length 20" (50.8 cm)	**WH**	White
LT4	4-foot section. Actual length 44" (111.8 cm)	**DBL**	Black
LT8	8-foot section. Actual length 92" (233.7 cm)	**AL**	Natural aluminum[2]
LT12	12-foot section. Actual length 140" (355.6 cm)		

One-Circuit



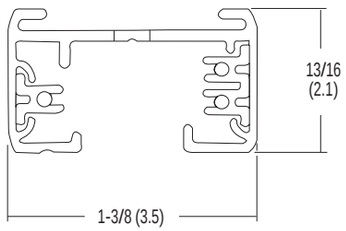
Two-Circuit Track

Ordering Information

Example: **L2T4 WH**[1]

Series		Finish	
L2T4	4-foot section. Actual length 44" (111.8 cm)	**WH**	White
L2T8	8-foot section. Actual length 92" (233.7 cm)	**DBL**	Black
L2T12	12-foot section. Actual length 140" (355.6 cm)	**AL**	Natural aluminum[2]

Two-Circuit



STANDARD PACKAGING

To order, use single master catalog number.
Example: (13) LT4 DBL

Track sections ship as unit (U) packaging.

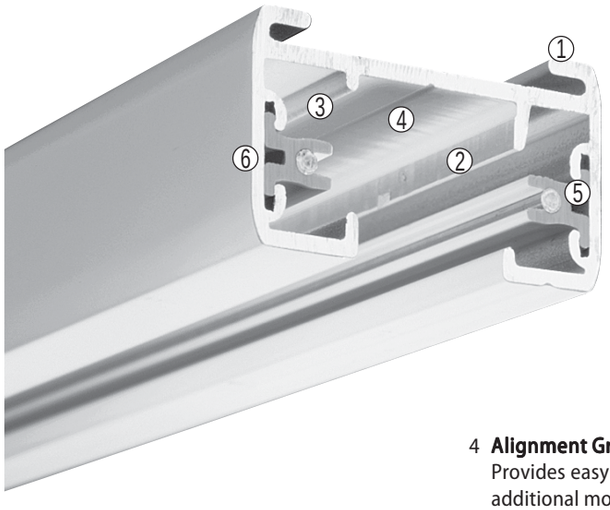
(Qty 13) LT4 DBL U (13 cartons of 1 track section)

NOTES:
1 Dead ends shipped with live ends.
2 Natural aluminum (AL) matches track head textured silver (DTS).

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Track Configurations

Lithonia Lighting Track is constructed of low-profile, heavy-gauge, extruded aluminum for maximum rigidity. Track sections and connections are designed with the dimensional restrictions of T-bar grid ceilings in mind.



1 **Suspension Hardware Rail**
Allows easy twist-and-lock hardware installation. Available for stem and grid ceiling mounting configurations.

2 **Milled Grounding Bar**
Provides maximum ground continuity between fixtures and power distribution system.

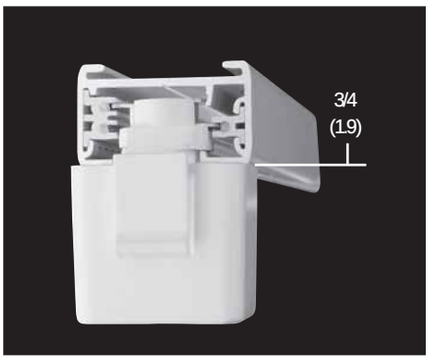
3 Circuit Key
Prevents accidental interchange of one-and two-circuit accessories.

4 **Alignment Groove**
Provides easy centering for drilling of additional mounting holes or use of self-drilling screws.

5 **Bus Retention Crimp**
The continuous design of the bus bar wireway retention crimp allows easy field cutting. Track sections can be cut without feeding bus bar wireway retention.

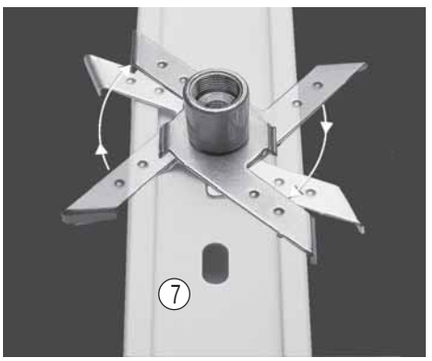
6 **Extruded Channel**
High quality, rugged, heavy-gauge extruded aluminum profile.

7 **Pre-drilled Mounting Holes**
Provide easy mounting capability.



Circuit Adaptor

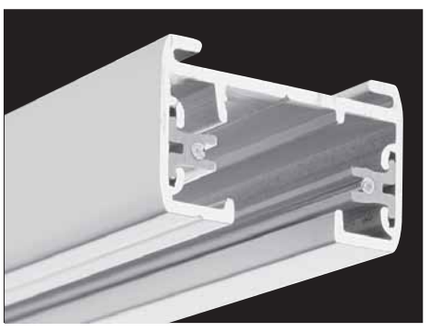
Adaptor design allows for easy circuit selection. Shipped in default one-circuit configuration.



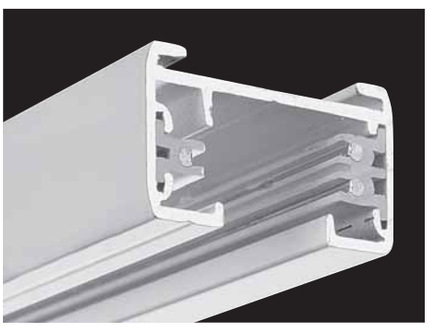
Twist and Lock Mounting Clips

Allow easy installation on T-bar and threaded rod.





One-Circuit
Lengths:
2',4',8',12'
Colors:
White (**WH**), Black (**DBL**), Natural aluminum (**AL**)[1]



Two-Circuit
Lengths:
4',8',12'
Colors:
White (**WH**), Black (**DBL**), Natural aluminum (**AL**)[1]

Ordering Information Example: **LT2 WH**

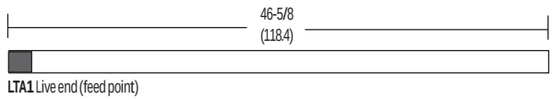
	Description	*Actual Length*
LT2 (color)	2' track section	20 (50.8)
LT4 (color)	4' track section	44 (111.8)
LT8 (color)	8' track section	92 (233.7)
LT12 (color)	12' track section	140 (355.6)

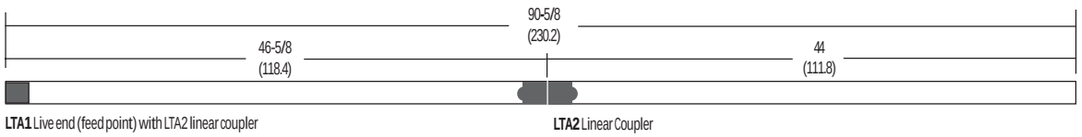
Ordering Information Example: **L2T4 WH**

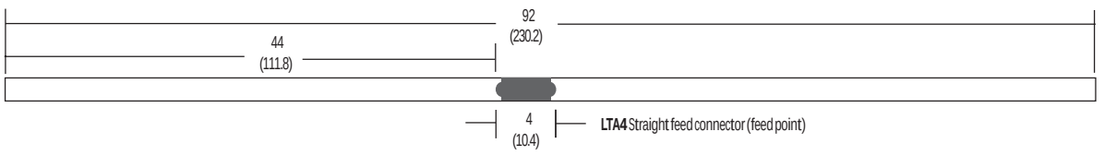
	Description	*Actual Length*
L2T4 (color)	4' track section	44 (1118)
L2T8 (color)	8' track section	92 (233.7)
L2T12 (color)	12' track section	140 (355.6)

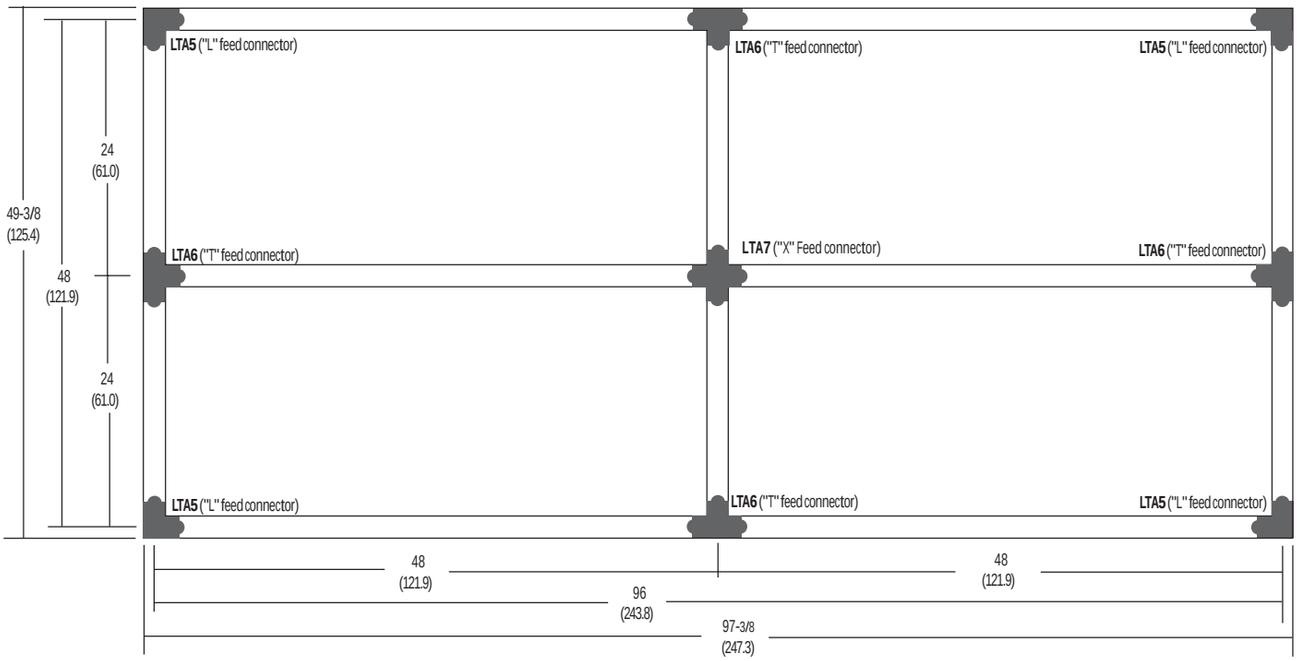
NOTES:
1 Natural aluminum (AL) matches track head textured silver (DTS).

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

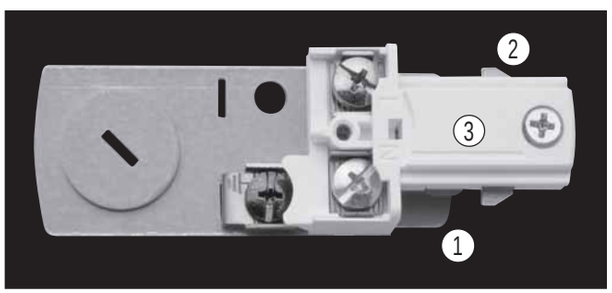








One-circuit configurations shown.



Feed Connectors

Provides a secure attachment to track hardware rail. A unique backplate feature provides additional strength by mechanically integrating track and connectors into one continuous system.

1 Heavy-gauge steel backplate for secure mechanical integration to track sticks.

2 Brass bus bar contacts.

3 Durable GE Lexan® housing material. Soft finish eliminates fingerprint images.

Track Connectors and Accessories

A complete selection of one-circuit and two-circuit track connectors, accessories and pendant and T-bar accessories is available for the Lithonia track system. Most components are available in white and black finish. All feature embossed polarity lines to indicate correct insertion position and electrical connection.

Live End Feed

Feed Connector used to start a run. Includes one dead end. Available in White (**WH**) and Black (**DBL**).

LTA1 (color) One-circuit
L2TA1 (color) Two-circuit



Linear Coupler

Joins two track sections in a straight run. Not a feed point. Does not add to length. Available in White (**WH**) and Black (**DBL**).

LTA2 (color) One-circuit
L2TA2 (color) Two-circuit



Floating Feed

Permits track to be wired anywhere along the track length. Includes two dead ends. Available in White (**WH**) and Black (**DBL**).

LTA3 (color) One-circuit
L2TA3 (color) Two-circuit



Straight Feed Connector

Joins two track sections in a straight run. Includes two dead ends. May be used as a feed. Available in White (**WH**) and Black (**DBL**).

LTA4 (color) One-circuit
L2TA4 (color) Two-circuit. Includes adjustable L feed connector cover



Adjustable L Connector*

Joins two track sections at 90° angles. Includes two dead ends. May be used as a feed. For two-circuit, use L2TA4 connector. Available in White (**WH**) and Black (**DBL**).

LTA5 (color) One-circuit
*For two-circuit, use L2TA4 connector



T Connector

Joins three track sections at 90° angles. Includes three dead ends. May be used as a feed. Available in White (**WH**) and Black (**DBL**).

LTA6 (color) One-circuit
L2TA6R (color) Two-circuit, right only
L2TA6L (color) Two-circuit, left only





X Connector

Joins four track sections at 90° angles. Includes four dead ends. May be used as a feed. Available in White (**WH**) and Black (**DBL**).

LTA7 (color) One-circuit
L2TA7 (color) Two-circuit



Flexible Connector

Joins two track sections. Permits vertical or horizontal bends up to 90°. Not a feed point. Available in White (**WH**) and Black (**DBL**).

LTA8 (color) One-circuit
L2TA8 (color) Two-circuit



Surface Conduit Feed
Permits track to be connected to conduit. (1/2" trade size conduit fitting). Includes one dead end. Available in White (**WH**) and Black (**DBL**).

LTA9 (color) One-circuit
L2TA9 (color) Two-circuit



Conduit Continuation Kit
Left and right conduit connector. Allow continuous run around obstructions. Available in White (**WH**) and Black (**DBL**).

LTA91 (color) One-circuit
L2TA91 (color) Two-circuit



Concealed Feed
Permits direct conduit wiring from above track without outlet box. Use with LTA1, LTA4, LTA5, LTA6, LTA7, L2TA1, L2TA4, L2TA6R, L2TA6L and L2TA7.

LTA11



Replacement Dead End
Terminates straight run. Replacement only. Available in White (**WH**) and Black (**DBL**).

LTA12 (color) Set of 10



Outlet Box Cover
Used at any feed connection point (LTA1, LTA4, LTA5, LTA6, LTA7, L2TA1, L2TA4, L2TA6R, L2TA6L and L2TA7). Available in White (**WH**) and Black (**DBL**).

LTA13 (color)



Track Reinforcement Plate
Slides between track lengths to provide extra strength when pendant mounting.

LTA33



Track Connectors and Accessories

Extension Wand
Mounts to track, drops head 12", 18",24" or 36".Available in White (**WH**) and Black (**DBL**). Cannot be field cut.

LTA31 xx (color) (Specify 12, 18, 24 or 36)



Stem Kit
Canopy and stem for use on hard ceilings. Requires stem feed kit (LTAP2) to be used as a feed. Available in 12",18",24",36" or 48".Available in White (**WH**) and Black (**DBL**). Can be field cut.

LTAP1 xx (color)[1] (Specify 12, 18, 24, 36 or 48)



Stem Feed Kit
For use with stem kit. Required for track to be wired through stem. One required for each live feed. Available in White (**WH**) and Black (**DBL**).

LTAP2 (color)



Track Mounting Clips
Optional track mounting method. Set of three. Available in White (**WH**) and Black (**DBL**).

LTA20 (color)



Threaded Rod Mounting Clips
Allows support of the track by 1/4" threaded rod. Set of three. Available in White (**WH**) and Black (**DBL**).

LTA30 (color)



T-Bar Stem Kit
Canopy and stem. Requires stem feed kit (LTAP2) to be used as feed. Available in 12", 18", 24", 36" and 48". Available in White (**WH**) and Black (**DBL**). Can be feild cut.

LTATP1 xx (color)[1] (Specify 12, 18, 24, 36 or 48)



T-Bar Feed Kit
Outlet box for grid ceilings. For use with LTA1, LTA4, LTA5, LTA6, LTA7, L2TA1, L2TA4, L2TA6R, L2TA6L and L2TA7. Includes outlet box, cover and mounting hardware. Available in White (**WH**) and Black (**DBL**).

LTAT1 (color)



T-Bar Mounting Clips
Offsets track from T-bar. Set of three. Available in White (**WH**) and Black (**DBL**).

LTAT20 (color) For 1" T-bar, 1/4" drop.
LTAT21 (color) For 1" T-bar, 1/2" drop.
LTAT22 (color) For 1/2" T-bar, 1/4" drop.
LTAT23 (color) For 1/2" T-bar, 1/2" drop.



T-Bar Junction Box
Replacements only.

LTAT25



T-Bar Earthquake Clips
Provides added structural support for 1" T-bar. Set of three.

LTAT32



NOTES:
1 Two stems required for 2' or 4' track. Three stems required for 8' track. Four stems required for 12' track. Can be field-cut and threaded.

Cord and Plug Feed
Permits track to be connected to grounded outlet. 12-foot, 3-wire cord. Maximum 10 amps. Includes one dead end. Consult factory for use. Available in White (**WH**) and Black (**DBL**).

LTA10 (color) One-circuit



Grounded Convenience Outlet
Provides an electrical outlet on the track. Consult factory for use. Available in White (**WH**) and Black (**DBL**).

LTA15 (color)



Switch Module
Allows independent switching of connected fixtures. Available in White (**WH**) and Black (**DBL**).

LTA17 (color)[1] One-circuit and two-circuit



Line Voltage Monopoint
Converts line voltage track fixture for direct wiring to an outlet box. For use with 120V fixture. Available in White (**WH**) and Black (**DBL**).

LTA18 (color)[1]



Low Voltage Monopoint
Converts low voltage track fixture for direct wiring to an outlet box. Designed for use with electronic low voltage fixture. Available in White (**WH**) and Black (**DBL**).

LTA21 (color)



Pendant Cord Adaptor
Allows cord-hung fixtures to be mounted to track. Maximum weight: 20 lbs. (9kg). Available in White (**WH**) and Black (**DBL**).

LTA19 (color) One-circuit and two-circuit



Pendant Chain Adaptor
Allows chain-hung or swag fixtures to be attached to track. Max. weight: 20 lbs. (9kg). Available in White (**WH**) and Black (**DBL**).

LTA16 (color) One-circuit and two-circuit



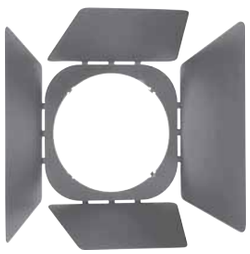
NOTES:
1 Not available for use with LTDCFWW20.

Track Head Accessories

Filter holders Example: **LTFH500 DBL**



Barn door Example: **LTBD500 DBL**



Hood Example: **H400 WH**



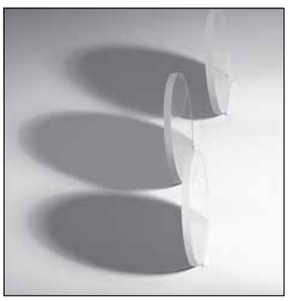
Ordering Information Example: **LTFH500 WH**

Series[1,2]		Size	Finish	
LTFH	Filter holder	**200**	**WH**	White
LTWFH	Filter holder	**400**	**DBL**	Black
LTGCS	Filter holder[3]	**500**		
LTBD	Barn door	**600**		
LTWBD	Barn door[4]	**700**		
LTGBD	Barn door	**701**		
H	Hood[5]	**800**		

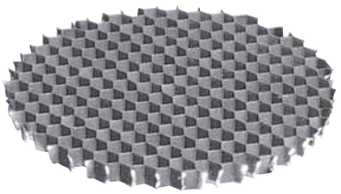
Size Availability Chart								
Series	200	400	500	600	700	701	800	N/A
LTFH			■		■		■	
LTWFH		■	■		■			
LTGCS								■
LTBD			■		■		■	
LTWBD		■	■		■			
LTGBD	■	■	■		■	■		
H		■		■				

NOTES:
1. All filter holders and barn doors will accommodate up to two lenses or louvers.
2. Refer to chart for size availability. Refer to track head submittal sheet for actual series/size compatibility.
3. Not available with sizes. Not available with finishes.
4. Will not accept lenses or louvers.
5. Hood will accommodate one lens or louver.

Lens (filters)



Honeycomb louver (L200)



Eggcrate louver (L300-800)



Ordering Information

Example: **F400 RR**

Series	Size[3]
F Lens (filter)[1]	**200**
L Louver[1,2]	**400**
	500
	600
	700
	701
	800

Lens type

Filter colors

Dichronic borosilicate lenses (safety glass)

- **RED** Red filter
- **GAMB** Golden amber filter
- **YEL** Yellow filter
- **GRN** Green filter
- **CBLUE** Cool blue filter
- **MBLUE** Medium blue filter
- **CPCH** Cool peach filter
- **MGN** Magenta filter
- **CYAN** Cyan filter
- **CL** Clear safety lens
- **UV** +99% UV blocking below 400 nm

Soda lime lenses[1]

- **RR** Ruby red filter
- **MB** Medium blue filter
- **MG** Medium green filter
- **MA** Medium amber filter
- **DB** Dark blue filter
- **MP** Medium pink filter

Beam-shaping lenses

Borosilicate lenses (safety glass)

- **PMF** Perimeter frost lens
- **LTF** Light frost lens
- **SFG** Softening lens

Soda lime lenses[1]

- **SL** Spread lens
- **EG** Elongating lens

Finish[4]

- (blank) Black
- **WH** White

Size Availability Chart							
Lamp Type	200	300	400	500	600	700	800
MR16	■						
PAR16		■		■		■	
PAR20		■	■	■		■	
PAR30				■		■	
PAR36				■			
PAR38				■		■	
PAR38/3				■	■	■	

Size dependant upon fixture type and retaining method.
See specification sheets.

NOTES:

1. Safety glass required in combination when used with MR16.
2. Not recommended for use with aluminized MR16 reflector. Not available with lens types.
3. See chart for lamp compatibility.
4. Available with louvers (L) only.



Indoor HID

Lithonia Lighting offers a wide selection of indoor HID products to address high-mount and low-mount lighting applications.

Lithonia industrial lighting withstands vibration, dirt, heat, moisture and corrosiveness while providing proper levels of efficient illumination. Lithonia commercial lighting provides a bright, cheerful and relaxed atmosphere that enhances customer and worker comfort. Lithonia recreational lighting delivers glare-free illumination so that playing surfaces and the surrounding environment are adequately illuminated for spectator and player safety.





CONTENTS


353


354


356


358


360


361


362


363


370


372


374

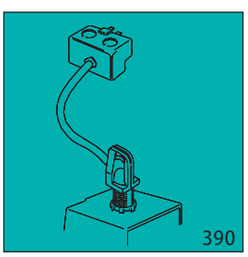

376

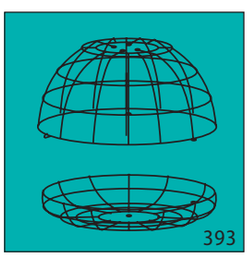

377


379


380


381


390


393

Optical Selection Guide 348

Ballast Housings 350

High Bay
Durabay® Glass 353
Acrylume® Acrylic 358
Hi-Tek® Aluminum 362

Low Bay
Acrylume® Acrylic 360
Hi-Tek® Aluminum 370
Food Processing 374
Refractor & Low Wattage 376

Recessed HID 378

Dock Lights 380

KiloWatch® HID Control System 381

Technical Info
Ballast Selection Guide 384
Protected Sockets 385

Options and Accessories
Miscellaneous 386
Cord Mounting 388
Power Hooks 390
Wireguards 392

Low Bays/High Bays

Selecting the proper optical for your application is essential to obtain desirable results and a high quality lighting installation. Making the proper choice can become complicated with the many different aspects of a space to consider and the wide selection of optics from which to choose. Determining the mounting height for an application is the first step to narrowing the selection.

HID lighting fixtures are grouped in two general categories of low bays and high bays. Low bays are for areas with mounting heights typically under 20 feet. High bays are designed for spaces with mounting heights of approximately 18 feet and higher.

Low Bays

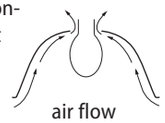


Low bays are designed with distributions to spread the light out in a space and prevent hot spots of light below the luminaire. The bottom prismatic lens bends the light to create wide distributions that improve uniformity and increase vertical illumination at lower mounting heights. Low bays perform best at mounting heights less than 20 feet and are available in various wattages up to 450 watts. The prisms reduce glare and brightness by obscuring the lamp from view and spread out the lamp image across the lens, improving visual comfort within a space. All lenses are gasketed and supported by a door ring held in place with stainless spring steel latches that ensure a tight seal to minimize dirt entry. Optional charcoal filtering provides added protection against contaminant entry by controlling and cleaning airflow into the luminaire.

High Bays



High bays have distributions for directing light downward to maximize horizontal light levels on an area or task. Mounted at heights of 18 feet to more than 40 feet, they are available with narrower distributions and wattages up to 1000 watts. Glare and brightness are not as critical as for low bays since the luminaires are mounted high above and viewed from greater distances away. These reflectors typically are open to maximize output efficiency and minimize dirt accumulation. Open-top, open-bottom reflectors stay cleaner because the heat from the lamp creates a convective airflow that continually moves dirt and dust away from the reflector.



Enclosed high bays have a flat clear lens to minimize degradation of the anodized finish in harsh environments or contain the lamp if breakage occurs from impact to the luminaire or arc tube rupture. A flat lens typically will reduce luminaire efficiency by 5-10% compared to the same reflector open. All lenses are gasketed and supported by a door ring held in place with stainless spring steel latches that ensure a tight seal to minimize dirt entry. Optional charcoal filtering provides added protection against contaminant entry by controlling and cleaning airflow into the luminaire.

Material Choice

Low bays and high bays primarily are available in aluminum, acrylic and glass. Each material differs in performance, cost and durability making them suitable for a variety of applications for different reasons.

Hi-Tek® Aluminum



- Maximized horizontal light levels
- High ambient temperature
- Impact tolerant
- Oily and corrosive environments (high bays)
- Long service life

Aluminum is an economical and easily shaped material used to produce efficient reflectors that can withstand impact and high ambient temperatures. Different finishes are applied for protection and photometric performance. An anodized finish protects against corrosion, oily environments and increases control of the reflected light to produce distinct distributions with efficient photometric performance. A highly reflective white polyester powder coat paint finish provides excellent protection against many corrosive compounds and creates a widespread distribution for low bays that helps reduce glare from the lamp. Hi-Tek reflector designs are available in both low bays and high bays that maximize downward efficiency with very little or no uplight component.

Hi-Tek low bay opticals combine aluminum reflectors with prismatic acrylic refractor lenses. Together they produce wide distributions that maximize downward efficiency, minimize glare and enhance vertical illumination. These are ideal for applications with darker ceilings or where uplight is not desired or beneficial in applications such as retail, sports facilities, manufacturing, heavy industrial and food processing. See Acrylume® acrylic section on next page for limitations of acrylic.

Hi-Tek open high bay reflectors have narrower distributions to maximize downward efficiency and horizontal light levels from high mounting heights. Applications for these reflectors include warehouses, manufacturing facilities, heavy industrial and other areas with high mounting heights or where uplight is not desired or beneficial. Enclosed versions are available with a gasketed flat tempered glass lens and door.

Acrylume® Acrylic

Prismatic acrylic reflector and refractor designs are a popular choice for many applications. Acrylume® opticals boast higher luminaire efficiencies than aluminum reflectors through an added uplight component that smoothly illuminates the ceiling surface. A brighter ceiling reduces the background contrast so the luminaires do not appear to be as bright. The added uplight also contributes to better vertical illumination, greater uniformity and a more natural daylight feeling within a space.

Acrylume® low bay optics combine acrylic reflectors with prismatic acrylic refractor lenses. This combination is superior for glare and brightness control, vertical illumination and overall uniformity. The high quality of light delivered by these optics make them well suited for retail, institutional, sports facilities, food processing and light manufacturing applications at mounting heights less than 20 feet. A flat clear bottom lens is available in tempered glass or acrylic that produce narrower distributions suitable for mounting heights above 18 feet.

Acrylume® open high bay reflectors produce distributions for mounting heights above 18 feet. The prismatic reflector has an uplight component of 15 to 20% that illuminates surfaces above the luminaire. This eliminates shadows and scalloping along walls and at tops of warehouse aisleways. Applications include retail, light manufacturing, warehousing and institutional buildings.

Acrylume® acrylic optics are UV stabilized to prevent yellowing for ten years when operating at or below the luminaire's ambient temperature rating. Acrylic is susceptible to degradation from exposure to certain chemical compounds and oils. Compatibility must be verified for applications with air borne contaminants by referencing the acrylic environmental compatibility chart on page 735. Acrylic reflectors and refractors need to be replaced once they become visibly yellow or show signs of hazing or cracking from degradation by contaminants.



- High luminaire efficiency
- Uplight and vertical illumination
- Brightness and glare control
- High uniformity

DuraBay® Borosilicate Glass

Borosilicate glass is a material with many attributes that make it an ideal solution for HID lighting. DuraBay prismatic glass can withstand operation in 65° C ambient temperatures without ever discoloring, turning yellow or deforming. Glass does not have a static charge that attracts dirt, so it remains cleaner longer with higher maintained luminaire efficiency than aluminum or acrylic. It also endures corrosive and oily environments better than any other material or finish. Original optical performance is easily restored with proper cleaning.

DuraBay high bay distributions have an uplight component of 20 to 25% that evenly illuminates the ceiling above. This reduces background contrast and perceived brightness of the luminaire creating a more visually comfortable environment. Uplight also contributes to better vertical illumination, greater uniformity and a more natural daylight feeling within a space. The prismatic design minimizes reflector side wall brightness by breaking up the reflected lamp image increasing visual comfort. Enclosed versions are available with a gasketed flat tempered glass lens door and optional charcoal filter. Applications include retail, manufacturing, warehousing, sports facilities and institutional buildings.

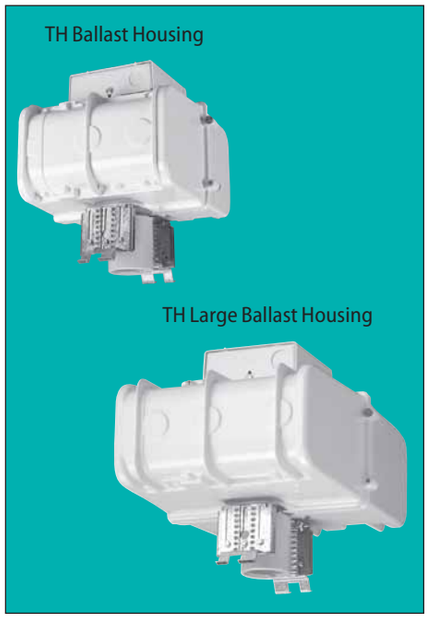
DuraBay open and enclosed glass high bays with aluminum shroud maximize downward efficiency and horizontal light levels similar to aluminum high bays, but with the benefits and performance of glass. These reflectors deliver highest maintained efficiency, superior durability in the toughest environments, and excellent glare and brightness control. Applications include heavy industrial, manufacturing, warehousing and sports facilities.



- Brightness & glare control
- Uplight and vertical illumination
- Highest maintained efficiency
- Oily and corrosive environments
- High ambient temperatures
- Longest service life

Die-Cast Aluminum Housings, Interchangeable Opticals

TH High Bay



Modular ballast housing for high bay opticals. Pre-attached adjustable legs accept a wide selection of anodized aluminum and prismatic acrylic high bay reflectors. A variety of distribution patterns at higher mounting heights can be achieved. These systems provide minimum brightness and glare, and superior energy efficiency.

Large ballast housing utilized for optional high ambient temperature rating and for 450-1000W ballasts.

Housing	Reflector	Primary function	Typical mounting height	Page
TH	A14	Vertical illumination; aisleways.	18′-35′	368
TH	A15	Horizontal illumination.	18′-25′	366
TH	A16	High efficiencies; glare control.	18′-35′	364
TH	A17, A22[1]	Optimum lamp shielding; glare control.	18′-40′+	362
TH	PA16,PA22, PA22E,PA22L	High efficiencies; vertical & horizontal illumination; uplight; glare control.	18′-35′	358
TH	PA22N,PA22SP, PA25[1]	High efficiencies uplight; glare control; more narrow distributions for higher mounting heights.	20′-40′+	358

TX Low Bay



Modular ballast housing for enclosed low bay opticals. Accepts various heavy-duty aluminum and prismatic acrylic low bay optical assemblies. Designed to provide uniform, glare-free energy-efficient lighting. Opticals are equipped with a heat-resistant, dust-inhibiting gasket at the point of attachment and a fully gasketed lens door assembly.

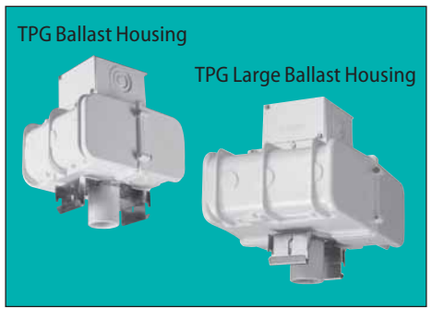
Large ballast housing utilized for optional high ambient temperature ratings and for 450W ballasts.

Housing	Optical	Primary function	Typical mounting height	Page
TX	A121, A125	Lower wattage; vertical and horizontal illumination.	8′-16′	375
TX	A162, A165	Vertical and horizontal illumination.	14′-20′	375
TX	PA22C	High efficiencies; vertical illumination with uplight; glare control.	14′-20′	361
TX	PA25D	High efficiencies; vertical and horizontal illumination; glare control.	14′-20′	361
TX	PA22GLE, PA25ALE	High efficiencies; vertical and horizontal illumination (higher mounting).	14′-25′	360
TX	A20	Lower wattage; premium glare control.	10′-16′	370
TX	A26	Vertical and horizontal illumination; premium glare control.	14′-20′	370
TX	A30	High efficiencies; vertical and horizontal illumination; glare control; low brightness.	14′-20′	371
TX	A23	High efficiencies; glare control; vertical and horizontal illumination.	14′-20′	372

NOTES:
1 Suitable for 875W and 1000W using large ballast housing.

TPG Open Glass High Bay

Provides reliable, simple installation of open glass and shrouded glass reflectors with heavy-gauge mounting brackets and sliding safety latches. Heavy-duty, die-cast splice box allows flexibility for surface, through-wire or pendant mounting. Distributions are designated in the catalog number and factory-preset. Large ballast housing utilized for optional high ambient temperature rating and for 450-1000W ballasts.



Housing	Reflector	Primary function	Mounting height	Page
TPG	PG16	Optimum efficiencies; balance of uplight and downward distribution.	16′-35′	354
TPG	PG16A	Provides downward distributions and softens lamp image.	16′-35′	355
TPG	PG21[1]	Optimum efficiencies; balance of uplight and downward distribution.	20′-40′+	354
TPG	PG21A[1]	Provides downward distributions and softens lamp image.	20′-40′+	355

TPGE Enclosed Glass High Bay

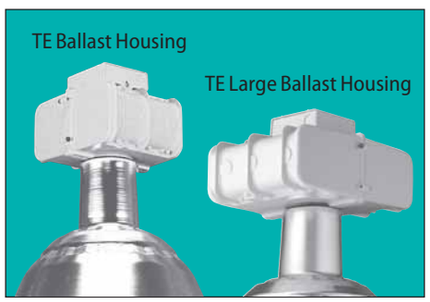
Accepts enclosed and gasketed glass optical assemblies in both the standard and shrouded versions. Opticals are equipped with a heat-resistant, dust-inhibiting gasket at the point of attachment and a fully gasketed lens ring assembly. Heavy-duty, die-cast splice box allows flexibility for surface, through-wire or pendant mounting. Distributions are designated in the catalog number and factory-preset. Large ballast housing utilized for optional high ambient temperature rating and 450-1000W ballasts.



Housing	Reflector	Primary function	Mounting height	Page
TPGE	PG16GLE	Optimum efficiencies and a balance of uplight and downward distributions while providing total enclosure of the lamp.	16′-35′	356
TPGE	PG16AGLE	Provides downward distributions and softens lamp image while providing total enclosure of the lamp.	16′-35′	357
TPGE	PG21GLE[1]	Optimum efficiencies and a balance of uplight and downward distributions while providing total enclosure of the lamp.	20′-40′+	356
TPGE	PG21AGLE[1]	Provides downward distributions and softens lamp image while providing total enclosure of the lamp.	20′-40′+	357

TE Enclosed Aluminum High Bay

Designed for E17 and E22 totally enclosed aluminum optical assemblies. Opticals are equipped with a heat-resistant, dust-inhibiting gasket at the point of attachment and a fully-gasketed lens ring assembly. Distributions are designated in the catalog number and factory-preset. Large ballast housing utilized for optional high ambient temperature rating and 450-1000W ballasts.



Housing	Reflector	Primary function	Mounting height	Page
TE	E17	Totally enclosed optics, optimum lamp shielding and glare control.	20′-40′+	363
TE	E22[1]	Totally enclosed optics, optimum lamp shielding and glare control.	25′-40′+	363

TXF Low Bay

Designed for food processing areas and wet location applications. These assemblies feature fully gasketed construction, special FDA/USDA-compliant materials and finish, stainless steel and corrosion-resistant hardware with no exposed threads and NSF certification. These systems provide glare-free, energy-efficient lighting. Large ballast housing is standard for optimal operating temperature.



Housing	Optical	Primary function	Mounting height	Page
TXF	A30F	High efficiencies; vertical & horizontal illumination; glare control; low brightness. Hose-down tested to 1200psi, IP65 rated. Wet location listed.	14′-20′	374
TXF	PA25ALEF	High efficiencies; vertical and horizontal illumination; glare control. IP65 rated. Wet location listed.	14′-25′	374

NOTES:
1 Suitable for 750W, 875W and 1000W using large ballast housing.

Steel Housings, Interchangeable Opticals

SH High Bay



Modular ballast housing for high bay opticals. Pre-attached adjustable legs accept a wide selection of anodized aluminum and prismatic acrylic high bay reflectors. A variety of distribution patterns at higher mounting heights can be achieved. These systems provide minimum brightness and superior energy efficiency. Ventilated design optimizes thermal performance of enclosed electronic ballast housing. Optional heat shield provided for high ambient temperature rating.

Housing	Reflector	Primary function	Mounting height	Page
SH	A14	Vertical illumination aisleways.	18′-35′	369
SH	A15	Horizontal illumination.	18′-25′	367
SH	A16 A16GL	High efficiencies; glare control.	18′-35′	365
SH	PA22	High efficiencies; vertical & horizontal illumination; uplight; glare control.	18′-35′	359
SH	PA22N,PA22SP	High efficiencies; vertical & horizontal illumination; uplight; glare control; narrower distribution for higher mounting heights.	20′-40′+	359

SX Low Bay



Modular ballast housing for enclosed low bay opticals. Accepts heavy-duty aluminum optical assembly. Designed to provide uniform, glare-free energy-efficient lighting. Optical are equipped with a heat-resistant, dust-inhibitive gasket at the point of attachment and a fully gasketed lens door assembly. Ventilated design optimizes thermal performance of enclosed electonic ballast housing. Optional heat shield provided for high ambient temperature rating.

Housing	Optical	Primary function	Mounting height	Page
SX	A23	High efficiencies; glare control; vertical and horizontal illumination.	14′-20′	373

SPG High Bay



Modular ballast housing for open glass high bay opticals. Provides reliable, simple installation of open glass and shrouded glass reflectors with heavy-gauge mounting brackets and sliding safety latches. Distributions are designated in the catalog number and factory-preset. Vented design optimizes thermal performance of enclosed electronic ballast housing. Optional heat shield provided for high ambient temperature rating.

Housing	Reflector	Primary function	Mounting height	Page
SPG	PG15	Optimum efficiencies; balance of uplight and downward distribution.	16′-35′	353

SPG

DuraBay™



PG15

Intended Use

For high mounting heights that require high efficiencies, horizontal and vertical illumination and premium contrast control. Ideal for retail and warehouse applications. Steel ballast housing (SPG) should be used in areas with minimal airborne contaminants.

Features

Housing – Steel housing with white polyester powder coat finish. All electrical components are positioned to assure unit will hang straight. Housing is ventilated for optimal thermal performance.

Ballast – Electronic ballast is 100% factory tested. Ballast will operate pulse start metal halide lamps only from 200-277V.

Optics – High-efficiency, high-performance, heat-resistant borosilicate glass reflector is mounted with a heavy-guage rigid wire form fitted to top of reflector. Opticals have a self-cleaning, ventilated design that carries optical contaminants out through top of reflector for maximum performance. Prismatic glass controls glare, reduces reflector-side wall brightness, and adds uplight component for greater visual comfort and improved uniformity.

Socket – Glazed porcelain, vertically oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated. Protected version with pink exclusionary socket.

Installation – One-piece galvanized hook and spring steel latch with cord and plug (SC3P) is standard. Pendant splice box (PSB) with top entry for ¾" conduit also available with other mounting options.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40°C (High Ambient HA option for 55°C).

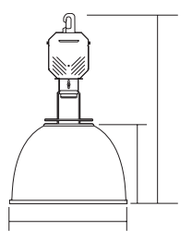
Ordering Information

Example: **SPG 400M PG15 M 277 GEB SC3P**

Series	Wattage	Optical	Distribution (select one)	Voltage	Ballast	Options/Accessories
SPG	Metal halide protected[1] **320MP** **350MP** **400MP** Metal halide **400M**	PG15	**N** Narrow **C** Concentrating **M** Medium **S** Spread **W** Widespread	**208** **240** **277** **TVOLT**[2]	*Pulse Start H.I.D. Ballast/Lamp Systems* Pulse start metal halide **GEB** Electronic ballast See pages 384-385 for details.	See pages 386-397. HID lamps are available with luminaires. Consult factory.

Lamp/fixture data								
	Standard	Weight		Spacing criteria				
Wattage	ballast	lbs.	kgs.	N	C	M	S	W
Metal halide (mog/clear)								
400	GEB	21	9.5	0.7	1.0	1.3	1.7	2.1

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.



SPG PG15
Overall height: 20-7/16 (51.95)
Reflector height: 10-9/16 (26.85)
Diameter: 15-9/16 (39.56)

NOTES:
1 See page 385 for details on protected sockets.
2 Tri-volt electronic ballast capable of operating on any line voltage between 200V and 277V at 50 or 60 Hz. Pendant splice box (PSB) mounting required.

Premium Open Glass Optical

TPG

DuraBay™



Intended Use

For high mounting heights that require high efficiencies, horizontal and vertical illumination, and premium contrast control. Optimum performance for high ambient temperatures and dirty environments. Ideal for heavy manufacturing areas, retail and warehouse aisles.

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sinked to ballast housing for cooler operation.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – High-efficiency, high-performance, heat-resistant borosilicate glass reflector mounted within heavy-gauge rigid wire form rings and rods fitted to top of reflector and bottom of reflector. Yields high vertical footcandles with low brightness and excellent contrast control. Self-cleaning, ventilated design carries optical contaminants out through top of reflector.

Socket – Glazed porcelain, vertically oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated. 5KV pulse rated for 1000S. Protected version with pink exclusionary socket.

Installation – Cast-aluminum pendant splice box threaded for ¾" conduit (standard). Other mounting options available.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 55°C (High Ambient HA option for 65°C). 875W and 1000W pulse-start -30°C to 40°C.

Ordering Information

Example: **TPG 400MP PG16 M TB SCWA QRS**

Series	Wattage	Optical	Distribution (select one)				
TPG	High pressure sodium						
	150S	**PG16**	**N**	**C**	**M**	**S**	**W**
	200S	**PG16**	–	**C**	**M**	**S**	**W**
	250S	**PG16**	–	**C**	**M**	**S**	**W**
	400S	**PG16**	–	**C**	**M**	**S**	**W**
	400S	**PG21**	–	**C21**	–	–	–
	1000S	**PG21**	–	–	**M21**	–	–
	Metal halide protected[1]						
	175MP	**PG16**	**N**	**C**	**M**	**S**	**W**
	200MP	**PG16**	**N**	**C**	**M**	**S**	**W**
	250MP	**PG16**	**N**	**C**	**M**	**S**	**W**
	320MP	**PG16**	**N**	**C**	**M**	**S**	**W**
	350MP	**PG16**	**N**	**C**	**M**	**S**	**W**
	400MP	**PG16**	**N**	**C**	**M**	**S**	**W**
	450MP	**PG16**	**N**	**C**	**M**	**S**	**W**
	200MP	**PG21**	**N21**	–	–	–	–
	350MP	**PG21**	**N21**	–	–	–	–
	400MP	**PG21**	**N21**	–	–	–	–
	450MP	**PG21**	**N21**	–	–	–	–
	875MP	**PG21**	–	**C21**	–	–	–
	1000MP	**PG21**	–	**C21**	–	–	–
	Metal halide						
	400M	**PG16**	**N**	**C**	**M**	**S**	**W**
	400M	**PG21**	**N21**	–	–	–	–
	1000M	**PG21**	–	**C21**	–	–	–

Voltage

120
208[2,3]
240[2,3,4]
277
347
480[2,3]
TB[5]
TBV[6]

N = Narrow
C = Concentrating
M = Medium
S = Spread
W = Widespread

Ballast

Metal halide and high pressure sodium
(blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA

See pages 384-385 for details.

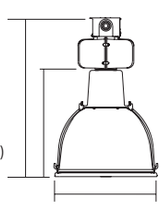
Options/Accessories

See pages 386-397. HID lamps are available with luminaires. Consult factory.

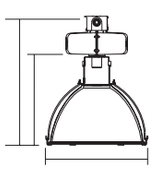
Lamp/fixture data								
	Standard	Weight		Spacing criteria				
Wattage	ballast	lbs.	kgs.	N	C	M	S	W
High pressure sodium (mog/clear)								
150 (PG16)	CWA	32	15	0.7	1.0	1.3	1.7	2.0
200 (PG16)	CWA	35	16	–	0.8	1.2	1.6	1.9
250 (PG16)	CWA	35	16	–	0.8	1.2	1.6	1.9
400 (PG16)	CWA	38	17	–	0.8	1.2	1.7	2.0
400 (PG21)	CWA	55	25	–	1.1	–	–	–
1000 (PG21)	CWA	55	25	–	–	1.5	–	–
Metal halide (mog/clear)								
400 (PG 16)	CWA	36	16	0.7	1.0	1.3	1.7	2.0
400 (PG21)	CWA	55	25	0.7	–	–	–	–
1000 (PG21)	CWA	55	25	–	0.9	–	–	–

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

TPG PG16
Overall height: 26 (66.0)
Reflector height: 15-1/2 (39.4)
Diameter: 17-1/2 (44.5)



TPG PG21
Overall height: 28 (71.1)
Reflector height: 19-1/2 (49.5)
Diameter: 22 (55.9)



NOTES:
1 See page 385 for details on protected sockets.
2 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
3 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
4 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
6 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W, 1000W metal halide and high pressure sodium (CWA only).

TPG

DuraBay™



Intended Use

For high mounting heights that require high efficiencies, horizontal illumination and premium contrast control. Optimum performance for high ambient temperature and dirty environments. Ideal for heavy manufacturing areas, retail and warehouse aisles.

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components are horizontally opposed and heat-sinked to ballast housing for cooler operation.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – High-efficiency, high-performance, heat-resistant borosilicate glass reflector with aluminum shroud to protect glass prisms from oily dirt accumulation, emphasizing downward efficiency. Self-cleaning, ventilated design carries optical contaminants out through top of reflector.

Socket – Glazed porcelain, vertically oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated. 5KV pulse rated for 1000S. Protected version with pink exclusionary socket.

Installation – Cast-aluminum pendant splice box threaded for ¾" conduit (standard). Other mounting options available.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 55°C (High Ambient HA option for 55°C). 875W and 1000W pulse-start -30°C to 40°C.

Ordering Information

Example: **TPG 400MP PG16A M TB HC3P**

Series	Wattage	Optical	Distribution (select one)				
TPG							
	High pressure sodium						
	150S	**PG16A**	**N**	**C**	**M**	**S**	**W**
	200S	**PG16A**	–	**C**	**M**	**S**	**W**
	250S	**PG16A**	–	**C**	**M**	**S**	**W**
	400S	**PG16A**	–	**C**	**M**	**S**	**W**
	400S	**PG21A**	–	**C21**	–	–	–
	1000S	**PG21A**	–	–	**M21**	–	
	Metal halide protected[1]						
	175MP	**PG16A**	–	**C**	**M**	**S**	**W**
	200MP	**PG16A**	–	**C**	**M**	**S**	**W**
	250MP	**PG16A**	–	**C**	**M**	**S**	**W**
	320MP	**PG16A**	–	**C**	**M**	**S**	**W**
	350MP	**PG16A**	–	**C**	**M**	**S**	**W**
	400MP	**PG16A**	–	**C**	**M**	**S**	**W**
	450MP	**PG16A**	–	**C**	**M**	**S**	**W**
	350MP	**PG21A**	**N21**	–	–	–	–
	400MP	**PG21A**	**N21**	–	–	–	–
	450MP	**PG21A**	**N21**	–	–	–	–
	875MP	**PG21A**	–	**C21**	–	–	–
	1000MP	**PG21A**	–	**C21**	–	–	–
	Metal halide						
	400M	**PG16A**	**N**	**C**	**M**	**S**	**W**
	400M	**PG21A**	**N21**	–	–	–	–
	1000M	**PG21A**	–	**C21**	–	–	–

N = Narrow
C = Concentrating
M = Medium
S = Spread
W = Widespread

Voltage

120
208[2,3]
240[2,3,4]
277
347
480[2,3]
TB[5]
TBV[6]

Ballast

Metal halide and high pressure sodium
(blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA

See pages 384-385 for details.

Options/Accessories

See pages 386-397. HID lamps are available with luminaires. Consult factory.

Lamp/fixture data

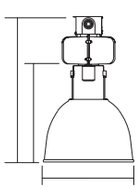
Wattage	Standard ballast	Weight lbs.	Weight kgs.	Spacing criteria N	C	M	S	W
High pressure sodium (mog/clear)								
150 (PG16A)	CWA	32	15	0.7	0.8	1.1	1.4	1.6
200 (PG16A)	CWA	35	16	–	0.8	1.3	1.7	2.0
250 (PG16A)	CWA	35	16	–	0.8	1.3	1.7	2.0
400 (PG16A)	CWA	38	17	–	1.2	1.4	1.7	2.0
400 (PG21A)	CWA	55	25	–	1.1	–	–	–
1000 (PG21A)	CWA	55	25	–	–	1.6	–	
Metal halide (mog/clear)								
400 (PG16A)	CWA	36	16	0.7	1.0	1.3	1.7	2.1
400 (PG21A)	CWA	55	25	0.8	–	–	–	–
1000 (PG21A)	CWA	55	25	–	1.2	–	–	–

NOTES:

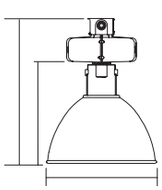
1 See page 385 for details on protected sockets.
2 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
3 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
4 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
6 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W, 1000W metal halide and high pressure sodium (CWA only).

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

TPG PG16A
Overall height: 25-3/8 (64.5)
Reflector height: 15-1/2 (39.4)
Diameter: 17-1/2 (44.5)



TPG PG21A
Overall height: 27-5/8 (70.2)
Reflector height: 19-1/2 (49.5)
Diameter: 22 (55.9)



Premium Enclosed Glass Optical

TPGE

DuraBay™



Intended Use

For high mounting heights that require high efficiencies, horizontal and vertical illumination, and premium contrast control. Optimum performance for high ambient temperatures and harsh environments. Ideal for heavy manufacturing areas, retail, warehouse aisles and gymnasiums.

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sinked to ballast housing.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – High-efficiency, high performance heat-resistant borosilicate glass reflector mounted within a heavy-gauge rigid wire form. Yields high vertical foot candles with low brightness and excellent contrast control. Cast-aluminum upper enclosure and corrosion-resistant steel flange and clear tempered glass lens are fully gasketed. Lens assembly hinged and triple latched for tight seal and easy maintenance.

Socket – Glazed porcelain, vertically oriented, mogul base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV. 5KV pulse rated for 1000S.

Installation – Cast-aluminum pendant splice box threaded for ¾" conduit (standard). Other mounting options available.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 55°C (High Ambient HA option for 65°C). 750W, 875W and 1000W pulse-start -30°C to 40°C.

Ordering Information

Example: **TPGE 400M PG16GLE M TB SCWA**

Series	Wattage	Optical	Distribution (select one)				
TPGE							
	High pressure sodium						
	150S	**PG16GLE**	–	**C**	**M**	**S**	**W**
	200S	**PG16GLE**	–	**C**	**M**	**S**	**W**
	250S	**PG16GLE**	–	**C**	**M**	**S**	**W**
	400S	**PG16GLE**	–	**C**	**M**	**S**	**W**
	400S	**PG21GLE**	–	**C21**	–	–	–
	1000S	**PG21GLE**	–	**C21**	–	–	–
	Metal halide						
	175M	**PG16GLE**	**N**	**C**	**M**	**S**	**W**
	200M	**G16GLE**	**N**	**C**	**M**	**S**	**W**
	250M	**PG16GLE**	**N**	**C**	**M**	**S**	**W**
	320M	**PG16GLE**	**N**	**C**	**M**	**S**	**W**
	350M	**PG16GLE**	**N**	**C**	**M**	**S**	**W**
	400M	**PG16GLE**	**N**	**C**	**M**	**S**	**W**
	450M	**PG16GLE**	**N**	**C**	**M**	**S**	**W**
	350M	**PG21GLE**	**N21**	–	–	–	–
	400M	**PG21GLE**	**N21**	–	–	–	–
	450M	**PG21GLE**	**N21**	–	–	–	–
	750M	**PG21GLE**	**N21**	–	–	–	–
	875M	**PG21GLE**	**N21**	–	–	–	–
	1000M	**PG21GLE**	–	**C21**	–	–	–

Voltage

120
208[1,2]
240[1,2,3]
277
347
480
TB[4]
TBV[5]

N = Narrow
C = Concentrating
M = Medium
S = Spread
W = Widespread

Ballast

Metal halide and high pressure sodium
(blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA

See pages 384-385 for details.

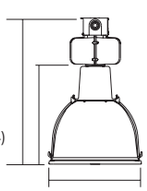
Options/Accessories

See pages 386-397. HID lamps are available with luminaires. Consult factory.

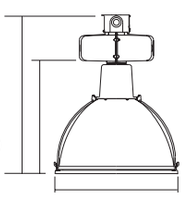
Lamp/fixture data								
	Standard	Weight	Spacing criteria				
Wattage	ballast	lbs. kgs.	N	C	M	S	W
High pressure sodium (mog/clear)							
150 (PG16GLE)	CWA	32 15	–	0.9	1.3	1.5	1.8
200 (PG16GLE)	CWA	35 16	–	0.9	1.5	1.7	2.0
250 (PG16GLE)	CWA	35 16	–	0.9	1.5	1.7	2.0
400 (PG16GLE)	CWA	38 17	–	0.8	1.3	1.7	2.2
400 (PG21GLE)	CWA	55 25	–	1.0	–	–	–
1000 (PG21GLE)	CWA	55 25	–	1.4	–	–	–
Metal halide (mog/clear)							
175 (PG16GLE)	CWA	36 16	0.6	0.8	1.3	1.6	1.9
250 (PG16GLE)	CWA	36 16	0.6	0.8	1.3	1.6	1.9
400 (PG16GLE)	CWA	38 17	0.7	0.9	1.3	1.6	1.9
400 (PG21GLE)	CWA	55 25	0.9	–	–	–	–
1000 (PG21GLE)	CWA	55 25	–	1.2	–	–	–

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

TPGE PG16GLE
Overall height: 26-1/2 (67.3)
Reflector height: 15-1/2 (39.4)
Diameter: 17-1/2 (44.5)



TPGE PG21GLE
Overall height: 28-1/2 (72.4)
Reflector height: 19-1/2 (49.5)
Diameter: 22 (55.9)



NOTES:
1 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
2 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
3 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
4 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
5 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W, 1000W metal halide and high pressure sodium (CWA only).

TPGE

DuraBay™

Intended Use

For high mounting heights that require high efficiencies, horizontal illumination and premium contrast control. Optimum performance for high ambient temperatures and harsh environments. Ideal for heavy manufacturing areas, retail and warehouse aisles.

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sinked to ballast housing for cooler operation.

Ballast – 100% factory ttested. High power factor ballast with a minimum of class H insulation.

Optics – High-efficiency, high performance heat-resistant borosilicate glass reflector mounted in heavy-gauge rigid wire form. Aluminum shroud protects glass prisms from oily dirt accumulation, emphasizing downward efficiency. Cast-aluminum upper enclosure, corrosion-resistant steel flange and clear tempered glass lens are fully gasketed to inhibit entrance of ambient contaminants. Lens assembly is hinged and triple latched for tight seal and easy maintenance.

Socket – Glazed porcelain, vertically oriented, mogul base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV. 5KV pulse rated for 1000S.

Installation – Cast-aluminum pendant splice box threaded for ¾" conduit (standard). Other mounting options available.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 55°C (High Ambient HA option for 65°C). 750W, 875W and 1000W pulse-start -30° C to 40° C.



Ordering Information

Example: **TPGE 400M PG16AGLE M 277 HOCS**

Series	Wattage	Optical	Distribution (select one)				
TPGE	High pressure sodium						
	150S	**PG16AGLE**	–	**C**	**M**	**S**	**W**
	200S	**PG16AGLE**	–	**C**	**M**	**S**	**W**
	250S	**PG16AGLE**	–	**C**	**M**	**S**	**W**
	400S	**PG16AGLE**	–	**C**	**M**	**S**	**W**
	400S	**PG21AGLE**	–	**C21**	–	–	–
	1000S	**PG21AGLE**	–	**C21**	–	–	–
	Metal halide						
	175M	**PG16AGLE**	**N**	**C**	**M**	**S**	**W**
	200M	**PG16AGLE**	**N**	**C**	**M**	**S**	**W**
	250M	**PG16AGLE**	**N**	**C**	**M**	**S**	**W**
	320M	**PG16AGLE**	**N**	**C**	**M**	**S**	**W**
	350M	**PG16AGLE**	**N**	**C**	**M**	**S**	**W**
	400M	**PG16AGLE**	**N**	**C**	**M**	**S**	**W**
	400M	**PG21AGLE**	**N21**	–	–	–	–
	750M	**PG21AGLE**	**N21**	–	–	–	–
	875M	**PG21AGLE**	**N21**	–	–	–	–
	1000M	**PG21AGLE**	–	**C21**	–	–	–

N = Narrow
C = Concentrating
M = Medium
S = Spread
W = Widespread

Voltage

120
208[1,2]
240[1,2,3]
277
347
480[1,2]
TB[4]
TBV[5]

Ballast

Metal halide and high pressure sodium
(blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA

See pages 384-385 for details.

Options/Accessories

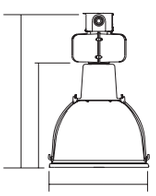
See pages 386-397. HID lamps are available with luminaires. Consult factory.

Lamp/fixture data								
	Standard	Weight		Spacing criteria				
Wattage	ballast	lbs.	kgs.	N	C	M	S	W
High pressure sodium (mog/clear)								
150 (PG16AGLE)	CWA	32	15	–	0.8	1.2	1.5	1.8
200 (PG16AGLE)	CWA	35	16	–	1.6	1.8	2.0	2.2
250 (PG16AGLE)	CWA	35	16	–	1.6	1.8	2.0	2.2
400 (PG16AGLE)	CWA	38	17	–	1.2	1.6	1.8	2.0
400 (PG21AGLE)	CWA	55	25	–	1.0	–	–	–
1000 (PG21AGLE)	CWA	55	25	–	0.8	–	–	–
Metal halide (mog/clear)								
175 (PG16AGLE)	CWA	36	16	–	1.3	1.5	1.7	2.0
250 (PG16AGLE)	CWA	36	16	–	1.3	1.5	1.7	2.0
400 (PG16AGLE)	CWA	36	16	0.8	1.2	1.4	1.6	1.9
400 (PG21AGLE)	CWA	55	25	0.8	–	–	–	–
1000 (PG21AGLE)	CWA	55	25	–	1.1	–	–	–

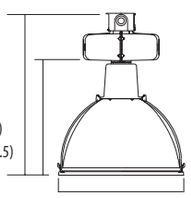
NOTES:
1 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
2 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
3 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
4 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
5 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W, 1000W metal halide and high pressure sodium (CWA only).

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

TPGE PG16AGLE
Overall height: 26-1/8 (66.4)
Reflector height: 15-1/2 (39.4)
Diameter: 17-1/2 (44.5)



TPGE PG21AGLE
Overall height: 28-1/2 (72.4)
Reflector height: 19-1/2 (49.5)
Diameter: 22 (55.9)



Open Acrylic Optical

TH PA22
TH PA25

Acrylume®



Intended Use

For high mounting heights that require higher efficiencies, general horizontal/high vertical illumination and premium contrast control. Ideal for light manufacturing areas, warehouse and retail aisles. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility Chart on page 735 for suitable uses.**

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sinked to ballast housing for cooler operation.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – UV-stabilized, high-efficiency, high-performance acrylic reflector yields high vertical footcandles while maintaining low brightness. Optical assembly is fully adjustable & accommodates a range of light distributions, while providing approximately 15–20% uplight. Open opticals are self cleaning – ventilated design carries contaminants out top of reflector. Enclosed optical utilizes clear, tempered-glass lens. Hinged and latched for easy maintenance. Coated lamps provide optimum performance.

Socket – Glazed porcelain, vertically-oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. Protected version with pink exclusionary socket. UL Listed 1500W, 600V, 4KV pulse rated.

Installation – Pendant splice box (PSB) threaded for ¾" conduit (standard). Other mounting options available. **Protect reflector from breakage. Use full wire guard (FWG) option for areas where reflectors are susceptible to impact.**

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations.

Ordering Information

Example: **TH 350MP PA22 TB SCWA FWG**

Series	Wattage	Optical
TH		High pressure sodium
	250S	**PA16**
	250S	**PA22 or PA22N**
	250S	**PA22L**[2]
	400S	**PA22 or PA22N**
	400S	**PA22L**[2]
	1000S	**PA25**
		Metal halide protected[1]
	200MP	**PA22, PA22N orPA22SP**
	250MP	**PA22, PA22N or PA22SP**
	320MP	**PA22, PA22N orPA22SP**
	350MP	**PA22, PA22N or PA22SP**
	400MP	**PA22, PA22N or PA22SP**
	450MP	**PA22, PA22N or PA22SP**
	875MP	**PA25**
	1000MP	**PA25**
		Metal halide
	175M	**PA22E**[3]
	200M	**PA22E**[3]
	250M	**PA22E**[3]
	400M	**PA22, PA22N or PA22SP**
	400M	**PA22L**[2]
	1000M	**PA25**

Voltage
120
208[4,5]
240[4,5,6]
277
347
480[4,5]
TB[7]
TBV[8]

Ballast

Metal halide and high pressure sodium

- (blank) Standard magnetic ballast
- **CWI** Constant wattage isolated
- **MRB** Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide

- **LLRPSL** Linear reactor pulse start
- **SCWA** Super constant wattage autotransformer
- **LLSCWA** Low loss SCWA
- **RLB** Regulated lag ballast (175-400W)
- **SCWI** Isolated SCWA (400W)

See pages 384-385 for details.

Options/ Accessories

See pages 386-397.
HID lamps are available with luminaires. Consult factory.

PA16 = Standard
PA22N = Narrow
PA22SP = Concentrated
PA22E = Standard
PA22L = Standard
PA25 = Standard

Lamp/fixture data				
Wattage	Standard ballast	Weight lbs.	Weight kgs.	S/mtg. height
High pressure sodium (mog/coated)				
250 (PA16)	CWA	21	10	1.2 to 1.9
400 (PA22)	CWA	35	16	1.3 to 2.0
250 (PA22N)	CWA	21	10	0.8 to 2.0
400 (PA22N)	CWA	35	16	0.8 to 2.0
1000 (PA25)	CWA	48	22	1.3 to 2.2
Metal halide (mog/coated)				
175 (PA22E)	CWA	20	9	1.3 to 2.0
250 (PA22E)	CWA	22	10	1.3 to 2.0
400 (PA22)	CWA	31	14	1.2 to 2.1
400 (PA22N)	CWA	31	14	0.8 to 2.1
400 (PA22SP)	CWA	31	14	0.8 to 2.1
1000 (PA25)	CWA	40	18	1.6 to 2.2

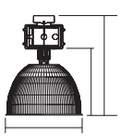
Ambient Parameters	-30°to25°C (-22°to131°F)	-30°to40°C (-22°to77°F)	-30°to55°C (-22°to104°F)
TH250SPA16, PA22/PA22N/PA22SP			■
TH175M, 250MPA22E			■
TH400M, 400SPA22/PA22N/PA22SP			■
TH400M, 400SPA22L		■	
TH1000M, 1000SPA25		■	

■ = COMPATABILITY

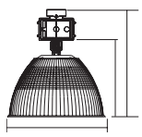
NOTES:
1. See page 385 for details on protected sockets.
2. Lensed bottom, open top. Periodic cleaning maintains performance. Does not meet UL lamp rupture containment.
3. Enclosed bottom, open top. Meets UL lamp rupture containment standards. Periodic cleaning maintains performance.
4. Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
5. Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
6. 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
7. Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
8. Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W, 1000W metal halide and high pressure sodium (CWA only).

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

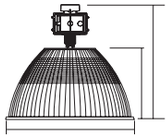
TH PA16
Reflector height:
10-3/4(27.3)
Varies with distribution.
Overall height:
20-5/8to26(52.4to66)
Diameter: 16-1/4(41.3)



TH PA22/PA22L
Reflector height:
13-1/2(34.3)
Varies with distribution.
Overall height:
20-5/8to26(52.4to66)
Diameter: 22-3/8(56.8)



TH PA25
Reflector height: 14(35.6)
Varies with distribution.
Overall height:
23to26-3/8(58.4to62)
Diameter: 25-1/2(64.8)



lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description

TH 400 PA22 TB

www.lithonia.com, keywords: TH-PA22 or TH-PA25

SH PA22

Acrylume®


PA22

Intended Use

For high mounting heights that require higher efficiencies, high horizontal/vertical illumination and premium contrast control. Ideal for light manufacturing areas, warehouse and retail aisles. Steel ballast housings should be used in areas with minimal airborne contaminants. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility Chart on page 735 for suitable uses.**

Features

Housing – Steel housing with white polyester powder coat finish. All electrical components are positioned to assure unit will hang straight. Housing is ventilated for optimal thermal performance.

Ballast – Electronic ballast is 100% factory tested. Ballast will operate pulse start lamps only from 200-277V.

Optics – UV-stabilized, high-efficiency, high-performance acrylic refractor yields high horizontal footcandles while maintaining low brightness. Optical assembly is fully adjustable, accommodates a range of light distributions while providing approximately 15–20% uplight. Self-cleaning, ventilated design carries optical contaminants out top of refractor. Coated lamps provide optimum performance.

Socket – Glazed porcelain, vertically oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated. Protected version with pink exclusionary socket.

Installation – One-piece galvanized hook and spring steel latch with cord and plug (SC3P) standard. Pendant splice box with top entry for $^{3}/_{4}$" conduit also available with other mounting options. **Protect reflector from breakage. Use full wire guard (FWG) option for areas where reflectors are susceptible to impact.**

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40°C (High Ambient HA option for 55°C).

Ordering Information

Example: **SH 400M PA22 277 GEB SC3P**

Series	Wattage	Optical	Voltage	Ballast	Options/Accessories
SH	Metal halide protected[1]	**PA22** Standard	**208**	*Pulse Start H.I.D. Ballast/Lamp Systems*	See pages 386-397. HID lamps are available with luminaires. Consult factory.
	320MP	**PA22N** Narrow	**240**	Pulse start metal halide	
	350MP	**PA22SP** Concentrated	**277**	**GEB** Electronic ballast	
	400MP		**TVOLT**[1]	See pages 384-385 for details.	
	Metal halide				
	400M				

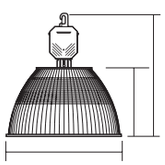
Lamp/fixture data				
	Standard	Weight		S/mtg.
Wattage	ballast	lbs.	kgs.	height
Metal halide (mog/coated)				
400 (PA22)	GEB	14	6.5	1.2 to 2.1
400 (PA22N)	GEB	14	6.5	0.8 to 2.1
400 (PA22SP)	GEB	14	6.5	0.8 to 2.1

NOTES:
1 See page 385 for details on protected sockets.
2 Tri-volt electronic ballast capable of operating on any line voltage between 200V and 277V at 50 or 60 Hz. Pendant splice box (PSB) mounting required.

Ambient Parameters	-30°to25°C (-22°to77°F)	-30°to40°C (-22°to104°F)	-30°to55°C (-22°to131°F)
SH400MPA22/PA22N/PA22SP			■

■ = COMPATABILITY

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.



Reflector height: 13-1/2 (34.3)
Diameter: 22-3/8 (56.8)
Overall height: 20-5/8 to 26 (52.4 to 66)
Varies with distribution.

Premium Enclosed Acrylic Optical

TXPA22GLE
TXPA25ALE

Acrylume®



Intended Use

For controlled environments that require vertical and high horizontal illumination. Ideal for retail areas, light manufacturing areas and aisles. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility Chart on page 735 for suitable uses.**

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sinked to ballast housing for cooler operation.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – Injection-molded, virgin acrylic reflector with clear, tempered glass lens enclosure. UV-stabilized reflector. Lens is tempered glass for 22" reflector and flat clear acrylic for 25" reflector. Hinge and lens retainer latches facilitate tool-less removal for maintenance and cleaning.

Totally enclosed, gasketed lens and reflector inhibit the entrance of ambient contaminants. Meets UL lamp rupture containment specifications. Coated lamps provide optimum performance.

Socket – Glazed porcelain, vertically oriented mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation – Pendant splice box threaded for ¾" conduit (standard). Other mounting options available. **Protect reflector from breakage. Use full wire guard (FWG) option for areas where reflectors are susceptible to impact.**

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. -30°C to 40°C ambient operations (High Ambient HA option for 55°C).

Ordering Information

Example: **TX 400M PA22GLE 277 SCWA HOCS**

Series

TX

Wattage / Optical

Wattage	Optical
High pressure sodium, 22" glass lens	
50S	**PA22GLE**
400S	**PA22GLE**
High pressure sodium, 25" acrylic lens	
250S	**PA25ALE**
400S	**PA25ALE**
Metal halide, 22" glass lens	
175M	**PA22GLE**
200M	**PA22GLE**
250M	**PA22GLE**
320M	**PA22GLE**
350M	**PA22GLE**
400M	**PA22GLE**
450M	**PA22GLE**
Metal halide, 25" acrylic lens	
200M	**PA25ALE**
250M	**PA25ALE**
320M	**PA25ALE**
350M	**PA25ALE**
400M	**PA25ALE**
450M	**PA25ALE**

Voltage

120
208[1,2]
240[1,2,3]
277
347
480[2]
TB[4]
TBV[5]

Ballast

Metal halide and high pressure sodium
(blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA

See page 384-385 for details.

Options/Accessories

See pages 386-397. HID lamps are available with luminaires. Consult factory.

Lamp/fixture data				
	Standard	Weight		S/mtg.
Wattage	ballast	lbs.	kgs.	height
High pressure sodium (mog/clear)				
250(PA22GLE)	CWA	33	15	1.6
400(PA22GLE)	CWA	36	16	1.6
250(PA25ALE)	CWA	39	18	1.1
400(PA25ALE)	CWA	39	18	1.1
Metal halide (mog/clear)				
250(PA22GLE)	CWA	30	14	1.7
400(PA22GLE)	CWA	33	15	1.7
250(PA25ALE)	CWA	35	16	1.2
400(PA25ALE)	CWA	35	16	1.2

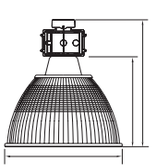
Ambient Parameters

	-30°to25°C (-22°to77°F)	-30°to40°C (-22°to104°F)	-30°to55°C (-22°to131°F)
TX250S, 250MPA22GLE		■	
TX400S, 400MPA22GLE		■	
TX250S, 250MPA25ALE			■
TX400S, 400MPA25ALE			■
TX450MPA25ALE		■	

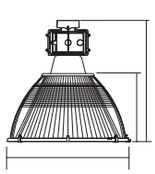
■ = COMPATABILITY

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

TX PA22GLE
Overall height: 24-1/2 (62.2)
Reflector height: 17-1/2 (44.5)
Diameter: 23-3/8 (59.4)



TX PA25ALE
Overall height: 26-3/8 (66.9)
Reflector height: 15-3/8 (38)
Diameter: 25-3/4 (65.4)



NOTES:
1 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
2 Requires CWI or MRB option in Canada for HP. Available for 70-400W only.
3 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
4 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
5 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W, 1000W metal halide and high pressure sodium (CWA only).

www.lithonia.com, keywords: TX-PA22GLE and TX-PA25ALE

TX PA22C
TX PA25D

Acrylume®



Intended Use

For controlled environments that require a balance between high vertical and horizontal illumination. Ideal for retail areas, light manufacturing areas and aisles. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility Chart on page 735 for suitable uses.**

Features

Housing: Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sinked to ballast housing for cooler operation.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – Injection-molded, virgin acrylic reflector and drop (PA25D) or conical (PA22C) lens. UV stabilized. Hinge and lens retainer latches facilitate tool-less removal for maintenance and cleaning. Totally enclosed, gasketed refractor and reflector inhibit the entrance of ambient contaminants. Meets UL lamp rupture containment specifications. Coated lamps provide optimum performance.

Socket – Glazed porcelain, vertically oriented mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation: Pendant splice box threaded for ¾" conduit (standard). Other mounting options available. **Protect reflector from breakage. Use full wire guard (FWG) option for areas where reflectors are susceptible to impact.**

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. -30°C to 40°C ambient operations. UL wet location available.

Ordering Information

Example: **TX 400M PA22C 120 SF QRS**

Series	Wattage	Optical
TX	High pressure sodium, 22" acrylic conical lens	
	250S	**PA22C**
	400S	**PA22C**
	High pressurem sodium, 25" acrylic drop lens	
	250S	**PA25D**
	400S	**PA25D**
	Metal halide, 22" acrylic conical lens	
	175M	**PA22C**
	200M	**PA22C**
	250M	**PA22C**
	320M	**PA22C**
	350M	**PA22C**
	400M	**PA22C**
	450M	**PA22C**
	Metal halide, 25" acrylic drop lens	
	175M	**PA25D**
	200M	**PA25D**
	250M	**PA25D**
	320M	**PA25D**
	350M	**PA25D**
	400M	**PA25D**
	450M	**PA25D**

Voltage

120
208[1,2]
240[1,2,3]
277
347
480[1,2]
TB[4]
TBV[5]

Ballast

Metal halide and high pressure sodium
(blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA

See page 384-385 for details.

Options/Accessories

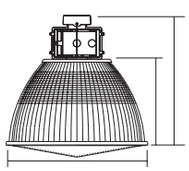
See pages 386-397. HID lamps are available with luminaires. Consult factory.

NOTES:
1 Requires CWI option in Canada for metal halide, available for 175-450W only. Not available for 250W in 480V.
2 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
3 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
4 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
5 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W, 1000W metal halide and high pressure sodium (CWA only).

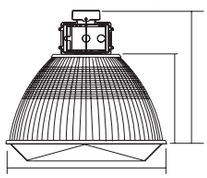
Lamp/fixture data				
Wattage	Standard ballast	Weight lbs.	Weight kgs.	S/mtg. height
High pressure sodium(mog/coated)				
250 (PA22C)	CWA	31	14	2.7
250 (PA25D)	CWA	34	15	2.4
400 (PA22C)	CWA	31	14	2.7
400 (PA25D)	CWA	34	15	2.4
Metal halide (mog/coated)				
250 (PA22C)	CWA	31	14	3.0
250 (PA25D)	CWA	31	13	2.8
350 (PA22C)	CWA	31	14	2.8
350 (PA25D)	CWA	31	13	2.5
400 (PA22C)	CWA	31	14	2.8
400 (PA25D)	CWA	30	13	2.8

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

TX PA22C
Overall height: 22-3/4 (57.8)
Refractor height: 15-3/4 (40)
Diameter: 22-3/8 (56.8)



TXPA25D
Overall height: 22-1/8 (56.2)
Refractor height: 17-1/8 (43.5)
Diameter: 25-1/2 (64.8)



Ambient Parameters	-30° to 25°C (-22° to 77°F)	-30° to 40°C (-22° to 104°F)	-30° to 55°C (-22° to 131°F)
TX250S, 250MPA22C		■	
TX250S, 250MPA25D		■	
TX400S, 400MPA22C		■	
TX400S, 400MPA25D		■	

■ = COMPATABILITY

www.lithonia.com, keywords: TX-PA22C and TX-PA25D

LITHONIA LIGHTING®

Premium Open Aluminum Optical

TH A 17
TH A 22

Hi-Tek®



Intended Use

For high mounting heights that require high efficiencies, horizontal illumination and premium glare control. Ideal for manufacturing areas and aisles.

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sinked to ballast housing for cool operation.

Ballast –100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – Premium spun aluminum, anodized reflector combines high efficiency with extended shielding angles for high performance. Exclusive fluted design minimizes arc tube voltage rise. Optical system is adjustable and accommodates the full range of industrial light distributions. Self-cleaning, ventilated design carries optical contaminants out through open top of reflector.

Socket – Glazed porcelain, vertically oriented, mogul-base socket with copper alloy nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated. 5KV pulse rated for 1000S. Protected version with pink exclusionary socket.

Installation – Pendant splice box threaded for ¾" conduit (standard). Other mounting options available.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 55°C (High Ambient HA option for 65°C). 875W and 1000W pulse-start -30°C to 40°C.

Ordering Information

Example: **TH 400M A17 277 SCWA F1**

Series

TH

Wattage / Optical

Wattage	Optical
High pressure sodium	
70S	**A17**
100S	**A17**
150S	**A17**
200S	**A17**
250S	**A17**
400S	**A17**
1000S	**A22**
Metal halide protected[1]	
175MP	**A17**
200MP	**A17**
250MP	**A17**
320MP	**A17**
350MP	**A17**
400MP	**A17**
450MP	**A17**
875MP	**A22**
1000MP	**A22**
Metal halide	
400M	**A17**
1000M	**A22**

Voltage

120
208[2,3]
240[2,3,4]
277
347
480[2,3]
TB[5]
TBV[6]

Ballast

Metal halide and high pressure sodium
(blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA
See pages 384-385 for details.

Options/Accessories

See pages 386-397. HID lamps are availabel with luminaires. Consult factory.

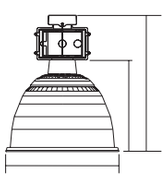
NOTES:
1 See page 385 for details on protected sockets.
2 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
3 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
4 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
6 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W, 1000 W metal halide and high pressure sodium (CWA only).

Lamp/fixture data

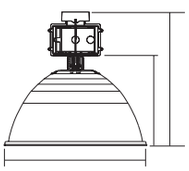
Wattage	Standard ballast	Weight lbs.	Weight kgs.	S/mtg. height
High pressure sodium (mog/clear)				
70	HX-HPF	16	8	0.9 to 1.8
100	HX-HPF	17	8	0.9 to 1.8
150	HX-HPF	17	8	0.9 to 1.8
200	CWA	19	9	0.8 to 2.0
250	CWA	21	10	0.8 to 2.0
400 (A17)	CWA	33	15	0.8 to 1.9
1000 (A22)	CWA	56	26	0.8 to 1.6
Metal halide (mog/clear)				
400 (A17)	CWA	25	11	0.8 to 1.8
1000 (A22)	CWA	45	21	1.0 to 1.9

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

TH A22
Overall height: 23-1/2 to 25 (59.7 to 63.5).
Varies with distribution.
Reflector height: 12-1/4 (31.1)
Diameter: 23-1/4 (59.1)



TH A17
Overall height: 21-1/2 to 23-1/2 (54.6 to 59.7).
Varies with distribution.
Reflector height: 12-1/8 (30.8)
Diameter: 17-7/8 (45.4)



www.lithonia.com, keywords: TH-A17 or TH-A22

TE E17
TE E22

Hi-Tek®



Intended Use

For high-mounting heights that require high efficiencies, horizontal illumination, premium glare control and total enclosure. Ideal for heavy manufacturing areas, gymnasiums and wet location applications.

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components are horizontally opposed and heat-sinked to ballast housing for cool operation.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – One-piece, totally enclosed-and-gasketed spun aluminum, anodized reflector combines high efficiency with extended shielding angle for high-performance optical control. Exclusive fluting design minimizes arc tube voltage rise. Gasketed, clear, tempered-glass lens inhibits the entrance of ambient contaminants. Hinge and lens retainer latches for tool-less access.

Socket – Glazed porcelain, vertically oriented, mogul-base socket with copper alloy nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated. 5KV pulse rated for 1000S. Protected version with pink exclusionary socket.

Installation – Pendant splice box (PSB) is threaded for ¾" conduit (standard). Other mounting options available.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 55°C (High Ambient HA option for 65°C). 875W and 1000W pulse-start -30° C to 40° C.

Ordering Information

Example: **TE 400M E17 M TB SCWA**

Series	Wattage	Optics	Distribution (select one)				
TE							
	High pressure sodium						
	70S	**E17**	**N**	**C**	**M**	**S**	**W**
	100S	**E17**	**N**	**C**	**M**	**S**	**W**
	150S	**E17**	–	**C**	**M**	**S**	**W**
	200S	**E17**	**N**	**C**	**M**	**S**	**W**
	250S	**E17**	**N**	**C**	**M**	**S**	**W**
	400S	**E17**	–	–	**M**	**S**	**W**
	400S	**E22**	**N**	**C**	–	–	–
	1000S	**E22**	**N**	**C**	–	–	–
	Metal halide						
	175M	**E17**	–	**C**	**M**	**S**	**W**
	200M	**E17**	–	**C**	**M**	**S**	**W**
	250M	**E17**	–	**C**	**M**	**S**	**W**
	320M	**E17**	–	–	**M**	**S**	**W**
	350M	**E17**	–	–	**M**	**S**	**W**
	400M	**E17**	–	–	**M**	**S**	**W**
	350M	**E22**	**N**	**C**	–	–	–
	400M	**E22**	**N**	**C**	–	–	–
	450M	**E22**	**N**	**C**	–	–	–
	750M	**E22**	**N**	**C**	–	–	–
	875M	**E22**	**N**	**C**	–	–	–
	1000M	**E22**	–	**C**	**M**	**S**	–

N = Narrow
C = Concentrated
M = Medium
S = Spread
W = Widespread

Voltage

120
208[1,2]
240[1,2,3]
277
347
480[1,2]
TB[4]
TBV[5]

Ballast

Metal halide and high pressure sodium
(blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA

See pages 384-385 for details.

Options/Accessories

See pages 386-397. HID lamps are availabel with luminaires. Consult factory.

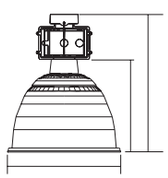
NOTES:
1 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
2 Requires MRB or CWI option in Canada for high pressure sodium. Available for 70-400W only.
3 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
4 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
5 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W and 1000W metal halide or high pressure sodium (CWA only).

Lamp/fixture data

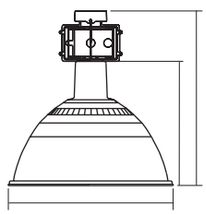
Wattage	Standard ballast	Weight lbs.	Weight kgs.	Spacing/mounting height E17N	E17C	E17M	E17S	E17W	E22N	E22C	E22M	E22S
High pressure sodium (mog/clear)												
70	HX-HPF	21	10	–	1.0	1.3	1.5	1.9	–	–	–	–
100	HX-HPF	21	10	–	1.0	1.4	1.5	1.9	–	–	–	–
150	HX-HPF	21	10	–	1.0	1.3	1.6	1.8	–	–	–	–
200	CWA	22	10	0.8	1.1	1.3	1.5	1.9	–	–	–	–
250	CWA	26	12	0.8	1.1	1.3	1.5	1.9	–	–	–	–
400	CWA	41	19	–	–	–	–	–	0.8	1.1	–	–
400	CWA	39	18	–	–	1.2	1.5	1.9	–	–	–	–
1000	CWA	65	29	–	–	–	–	–	0.8	1.0	–	–
Metal halide (mog/clear)												
175	CWA	22	10	–	1.0	1.4	1.6	2.0	–	–	–	–
250	CWA	24	11	–	1.0	1.3	1.6	1.9	–	–	–	–
400	CWA	31	14	–	–	–	–	–	0.8	1.0	–	–
400	CWA	31	14	–	–	1.4	1.6	1.9	–	–	–	–
1000	CWA	50	23	–	–	–	–	–	–	1.0	1.3	1.6

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

TEE17
Overall height: 24-3/8 (61.9)
Reflector height: 17-3/8 (44.1)
Diameter: 17-7/8 (45.4)



TEE22
Overall height: 24-3/8 (61.9)
Reflector height: 17-3/8 (44.1)
Diameter: 23 (58.4)



www.lithonia.com, keywords: TE-E17 or TE-E22

Open or Lensed Aluminum Optical

TH A16
TH A16 GL

Hi-Tek®



Intended Use

For high mounting heights that require high efficiencies and horizontal illumination. Ideal for general manufacturing areas, storage areas and warehouse aisles.

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sinked to ballast housing for cooler operation.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – High-efficiency, anodized, spun aluminum reflector with exclusive fluted design that minimizes arc-tube voltage rise for optimal lamp life. Open A16 opticals are self cleaning with a ventilated design that carries contaminants out top of reflector. Lensed A16GL optical features a gasketed clear tempered glass lens with hinge and stainless steel latches for easy tool-less access.

Socket – Glazed porcelain, vertically oriented mogul-base socket with copper alloy nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated. Protected version with pink exclusionary socket.

Installation – Pendant splice box threaded for ¾" conduit (standard). Other mounting options available.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 55°C (High Ambient HA option for 65°C). A16GL meets UL lamp rupture containment specifications.

Ordering Information

Example: **TH 400MP A16 277 HOCS**

Series	Wattage	Optical
TH		
THD[1]		
	High pressure sodium	
	70S	**A16**
	100S	**A16**
	150S	**A16**
	200S	**A16**
	250S	**A16**
	250S	**A16GL**
	400S	**A16**
	400S	**A16GL**
	Metal halide protected[2]	
	175MP	**A16**
	200MP	**A16**
	250MP	**A16**
	320MP	**A16**
	350MP	**A16**
	400MP	**A16**
	450MP	**A16**
	Metal halide	
	175M	**A16GL**
	200M	**A16GL**
	250M	**A16GL**
	320M	**A16GL**
	350M	**A16GL**
	400M	**A16**
	400M	**A16GL**
	450M	**A16GL**

Voltage	Ballast
120	Metal halide and high pressure sodium
208[3,4]	(blank) Standard magnetic ballast
240[3,4,5]	**CWI** Constant wattage isolated
277	**MRB** Magnetic regulator ballast
347	*Pulse Start H.I.D. Ballast/Lamp Systems*
480[3,4]	Pulse start metal halide
TB[6]	**LLRPSL** Linear reactor pulse start
TBV[7]	**SCWA** Super constant wattage autotransformer
	LLSCWA Low loss SCWA
	RLB Regulated lag ballast
	SCWI Isolated SCWA
	See pages 384-385 for details.



Unitized Distributor Pack

NOTES:

1 THD consists of TH housing and A16 reflector shipped in one carton. Available with tapped ballast or 480V only. Available only in 400S, 320 MP, 400MP and 400M.

2 See page 385 for details on protected sockets.

3 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.

4 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.

5 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.

6 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).

7 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W metal halide or high pressure sodium (CWA only).

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

www.lithonia.com, keywords: TH-A16 or TH-A16GL

Options/Accessories

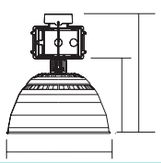
See pages 386-397. HID lamps are available with luminaires. Consult factory.

Lamp/fixture data				
Wattage	Standard ballast	Weight lbs.	Weight kgs.	S/mtg. height
High pressure sodium (mog/clear)				
70	HX-HPF	12	5	0.9 to 1.8
100	HX-HPF	13	5	0.9 to 1.8
150	HX-HPF	14	6	0.9 to 1.8
200	CWA	14	6	1.1 to 1.9
250	CWA	17	8	1.1 to 1.9
400	CWA	25	11	1.1 to 2.0
Metal halide (mog/clear)				
175	CWA	16	7	1.2 to 2.1
250	CWA	20	9	1.2 to 2.1
400	CWA	21	10	1.2 to 1.9

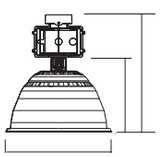
lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
TH 400M A16 TB

TH A16
Overall height: 17-1/4 to 20 (43.8 to 50.8). Varies with distribution.
Reflector height: 9-1/2 (24.1)
Diameter: 16 (40.6)



TH A16GL
Overall height: 17-1/4 to 20 (43.8 to 50.8). Varies with distribution.
Reflector height: 10-1/2 (26.7)
Diameter: 17-1/4 (43.8)



SH A16
SH A16GL

Hi-Tek®



Intended Use

For high mounting heights that require high efficiencies and horizontal illumination. Ideal for storage areas and warehouse aisles. Steel ballast housings should be used in areas with minimal airborne contaminants.

Features

Housing – Steel housing with white polyester powder coat finish. All electrical components are positioned to assure unit will hang straight. Housing is ventilated for optimal thermal performance.

Ballast – Electronic ballast is 100% factory tested and UL Listed. Ballast will operate pulse start lamps only from 200-277V.

Optics – High-efficiency, anodized, spun aluminum reflector with exclusive fluted design that minimizes arc-tube voltage rise for optimal lamp life. Open A16 optical is self-cleaning with a ventilated design that carries contaminants out top of reflector. Lensed A16GL optical features a gasketed clear tempered glass lens with hinge and stainless steel latches for easy tool-less access.

Socket – Glazed porcelain, vertically-oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated. Protected version with pink exclusionary socket.

Installation – One-piece galvanized hook and spring steel latch with cord and plug (SC3P) is standard. Pendant splice box (PSB) with top entry for ¾" conduit also available with other mounting options.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40°C (High Ambient HA option for 55°C). A16GL meets UL lamp rupture containment specifications.

Ordering Information

Example: **SH 400M A16 208 GEB SC3P**

Series

SH

Wattage / Optical

Wattage	Optical
Metal halide protected[1]	
320MP	**A16**
350MP	**A16**
400MP	**A16**
Metal halide	
320M	**A16GL**
350M	**A16GL**
400M	**A16GL**
400M	**A16**

Voltage

208
240
277
TVOLT[2]

Ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide
GEB Electronic ballast

See pages 384-385 for details.

Options/Accessories

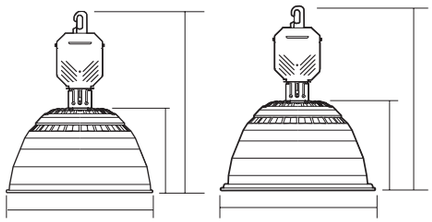
See pages 386-397. HID lamps are available with luminaires. Consult factory.

Lamp/fixture data				
	Standard	Weight		S/mtg.
Wattage	ballast	lbs.	kgs.	height
Metal halide (mog/clear)				
400	GEB	12	5.5	1.2 to 1.9

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

SH A16
Overall height: 21 to 24-1/4 (53.3 to 61.6). Varies with distribution.
Reflector height: 9-1/2 (24.1)
Diameter: 16 (40.6)

SH A16GL
Overall height: 21 to 24-1/4 (53.3 to 61.6). Varies with distribution.
Reflector height: 10-1/2 (26.7)
Diameter: 17-1/4 (43.8)



NOTES:
1 See page 385 for details on protected sockets.
2 Tri-volt electronic ballast capable of operating on any line voltage between 200V and 277V at 50 or 60 Hz (available with GEB option only). Pendant splice box (PSB) mounting required.

www.lithonia.com, keywords: SH-A16 or SH-A16GL

Open Aluminum Optical

TH A15

Hi-Tek®



A15

Intended Use

For high mounting heights that require high efficiencies and horizontal illumination. Ideal for general manufacturing areas, storage areas and warehouse aisles.

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sinked to ballast housing for cooler operation.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – High-efficiency, anodized, spun aluminum reflector with exclusive fluted design that minimizes arc-tube voltage rise for optimal lamp life. Self-cleaning ventilated design that carries contaminants out top of reflector.

Socket – Glazed porcelain, vertically-oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated. Protected version with pink exclusionary socket.

Installation – Pendant splice box threaded for ¾" conduit (standard). Other mounting options available.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 55°C (High Ambient HA option for 65°C).

Ordering Information

Example: **TH 400MP A15 TB**

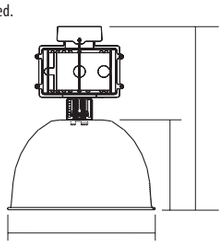
Series	Wattage	Optical	Voltage	Ballast	Options/Accessories
TH	High pressure sodium	**A15**	**120**	Metal halide and high pressure sodium	See pages 384-385. HID lamps are available with luminaires. Consult factory.
THD[1]	**70S**		**208**[3,4]	(blank) Standard magnetic ballast	
	100S		**240**[3,4,5]	**CWI** Constant wattage isolated	
	150S		**277**	**MRB** Magnetic regulator ballast	
	200S		**347**	Pulse Start H.I.D. Ballast/Lamp Systems	
	250S		**480**[3,4]	Pulse start metal halide	
	400S		**TB**[6]	**LLRPSL** Linear reactor pulse start	
	Metal halide protected[2]		**TBV**[7]	**SCWA** Super constant wattage autotransformer	
	175MP			**LLSCWA** Low loss SCWA	
	200MP			**RLB** Regulated lag ballast	
	250MP			**SCWI** Isolated SCWA	
	320MP			See pages 384-385 for details.	
	350MP				
	400MP				
	450MP				
	Metal halide				
	400M				

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
TH 400M A15 TB

Lamp/fixture data				
	Standard	Weight		S/mtg.
Wattage	ballast	lbs.	kgs.	height
High pressure sodium (mog/clear)				
250	CWA	17	8	1.5
400	CWA	25	11	1.5
Metal halide (mog/clear)				
400	CWA	21	10	1.7

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.



TH A15
Overall height:
250/400S: 19-1/2 (49.5)
400M: 21-1/4 (54.0)
Reflector height: 9 (22.9)
Diameter: 14-3/4 (37.5)



THD[1]
Unitized Distributor Pack

NOTES:
1 THD consists of TH housing and A15 reflector shipped in one carton. Available with tapped ballast or 480V only. Available only in 400S, 320 MP, 400MP and 400M.
2 See page 385 for details on protected sockets.
3 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
4 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
5 220V and 240V 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
6 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada.)
7 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W and 1000W metal halide (CWA only).

SH A15

Hi-Tek®



Intended Use

For high mounting heights that require high efficiencies and horizontal illumination. Ideal for general manufacturing areas, storage areas and warehouse aisles. Steel Ballast Housing (SH) should be used in areas with minimal airborne contaminants.

Features

Housing – Steel housing with white polyester powder coat finish. All electrical components are positioned to assure unit will hang straight. Housing is ventilated for optimal thermal performance.

Ballast – Electronic ballast is 100% factory tested and UL Listed. Ballast will operate pulse start lamps only from 200-277V.

Optics – High-efficiency, anodized, spun aluminum reflector with exclusive fluted design that minimizes arc-tube voltage rise for optimal lamp life. Self-cleaning ventilated design carries contaminants out top of reflector.

Socket – Glazed porcelain, vertically-oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated. Protected version with pink exclusionary socket.

Installation – One-piece galvanized hook and spring steel latch with cord and plug (SC3P) is standard. Pendant splice box (PSB) with top entry for ¾" conduit also available with other mounting options.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40° (High Ambient HA option for 55°C).

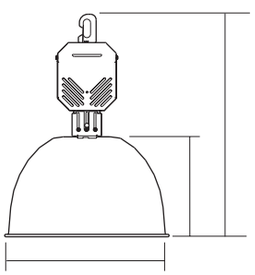
Ordering Information

Example: **SH 400M A15 TVOLT GEB PSB**

Series	Wattage	Optical	Voltage	Ballast	Options/Accessories
SH	Metal halide protected[1] **320MP** **350MP** **400MP** Metal halide **400M**	**A15**	**208** **240** **277** **TVOLT**[2]	Pulse Start H.I.D. Ballast/Lamp Systems Pulse start metal halide **GEB** Electronic ballast See pages 384-385 for details.	See pages 386-397. HID lamps are available with luminaires. Consult factory.

Lamp/fixture data				
Wattage	Standard ballast	Weight lbs.	Weight kgs.	S/mtg. height
Metal halide (mog/clear)				
400	GEB	12	5.5	1.7

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.



SH A15
Overall height:
250/400S: 19-1/2 (49.5)
400M: 21-1/4 (54.0)
Reflector height: 9 (22.9)
Diameter: 14-3/4 (37.5)

NOTES:
1 See page 385 for details on protected sockets.
2 Tri-volt electronic ballast capable of operating on any line voltage between 200V and 277V at 50 or 60 Hz. Pendant splice box (PSB) mounting required.

www.lithonia.com, keyword: SH-A15

Premium Open Aluminum Optical

TH A14

Hi-Tek®



A14

Intended Use

For high-mounting heights that require high efficiencies, horizontal illumination and vertical illumination. Ideal for manufacturing and warehouse aisles.

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components are horizontally opposed and heat-sinked to ballast housing for cooler operation.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – One-piece hydroformed, anodized aluminum reflector provides rectangular distribution for maximum luminaire spacing and vertical illumination.

Socket – Glazed porcelain, vertically oriented, mogul-base socket with copper alloy nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated. Protected version with pink exclusionary socket.

Installation – Pendant splice box is threaded for ¾" conduit (standard). Other mounting options available.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 55°C (High Ambient HA option for 65°C.)

Ordering Information

Example: **TH 320MP A14 TB SCWA KW1S**

Series

TH

Wattage

High pressure sodium

150S
200S
250S
400S

Metal halide protected[1]

175MP
200MP
250MP
320MP
350MP
400MP
450MP

Metal halide

400M

Optical

A14

Voltage

120
208[2,3]
240[2,3,4]
277
347
480[2,3]
TB[5]
TBV[6]

Ballast

Metal halide and high pressure sodium

(blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide

LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA

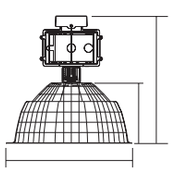
See page 384-385 for details.

Options/Accessories

See pages 386-397. HID lamps are available with luminaires. Consult factory.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

TH A14
Overall height: 17-3/4 to 19-1/2 (45.1 to 49.5).
Varies with distribution.
Reflector height: 8-1/2 (21.6)
Diameter: 17-3/4 (45.1)



NOTES:

1 See page 385 for details on protected sockets.
2 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
3 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
4 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
6 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W metal halide and high pressure sodium (CWA only).

Lamp/fixture data				
	Standard	Weight		S/mtg.
Wattage	ballast	lbs.	kgs.	height
High pressure sodium (mog/clear)				
150	HX-HPF	16	7	2.7
200	HX-HPF	16	7	2.5
250	CWA	19	9	2.5
400	CWA	27	12	2.5
Metal halide (mog/clear)				
400	CWA	23	10	2.4

SH A14

Hi-Tek®



Intended Use

For high-mounting heights that require high efficiencies, horizontal illumination and high vertical illumination. Ideal for manufacturing and warehouse aisles. Steel ballast housings should be used in areas with minimal airborne contaminants.

Features

Housing – Steel housing with white polyester powder coat finish. All electrical components are positioned to assure unit will hang straight. Housing is ventilated for optimal thermal performance.

Ballast – Electronic ballast is 100% factory tested. Ballast will operate pulse start lamps only from 200-277V.

Optics – One-piece hydroformed, anodized aluminum reflector provides rectangular distribution for maximum luminaire spacing and high illumination.

Socket – Glazed porcelain, vertically oriented, mogul-base socket with copper alloy nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated. Protected version with pink exclusionary socket.

Installation – One-piece galvanized hook and spring steel latch with cord and plug (SC3P) is standard. Pendant splice box (PSB) with top entry for ¾" conduit also available with other mounting options.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40°C (High Ambient HA option for 55°C).

Ordering Information

Example: **SH 400M A14 277 GEB**

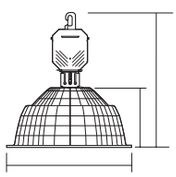
Series	Wattage	Optical	Voltage	Ballast	Options/Accessories
SH	Metal halide protected[1] **320MP** **350MP** **400MP** Metal halide **400M**	**A14**	**208** **240** **277** **TVOLT**[2]	Pulse Start H.I.D. Ballast/Lamp Systems Pulse start metal halide GEB Electronic ballast See pages 384-385 for details.	See pages 386-397. HID lamps are available with luminaires. Consult factory.

Lamp/fixture data				
	Standard	Weight		S/mtg.
Wattage	ballast	lbs.	kgs.	height
Metal halide (mog/clear)				
400	GEB	12	5.5	2.4

NOTES:
1 See page 385 for details on protected sockets.
2 Tri-volt electronic ballast capable of operating on any line voltage between 200V and 277V at 50 or 60 Hz. Pendant slice box (PSB) mounting required.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

SH A14
Overall height: 17-3/4 to 19-1/2 (45.1 to 49.5).
Varies with distribution.
Reflector height: 8-1/2 (21.6)
Diameter: 17-3/4 (45.1)



Premium Enclosed Aluminum Optical

TX A20
TX A26

Hi-Tek®



Intended Use

For areas that require good vertical illumination with excellent glare control at low mounting heights. Ideal for general open areas, retail spaces, aisles and manufacturing areas. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility Chart on page 735 for suitable uses.**

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sinked to ballast housing for cooler operation.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – Injection-molded virgin acrylic lens, fully fluted anodized aluminum reflector. Hinge and lens retainer latches facilitate tool-less removal for maintenance and cleaning. Totally enclosed, gasketed refractor and reflector inhibit the entrance of ambient contaminants. All distribution patterns are widespread.

Socket – Glazed porcelain, vertically oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse-rated.

Installation – Pendant splice box threaded for ¾" conduit (standard). Other mounting options available.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed -30°C to 40°C ambient operation and damp locations (High Ambient HA option for 55°C). UL wet location available. Meets UL lamp rupture containment specifications.

Ordering Information

Example: **TX 400M A26 277 SCWA HOCS**

Series	Wattage	Optical[1]
TX	High pressure sodium, 20" diameter	
	50S	**A20**
	70S	**A20**
	100S	**A20**
	150S	**A20**
	200S	**A20**
	250S	**A20**
	High pressure sodium, 26" diameter	
	250S	**A26**
	400S	**A26**
	Metal halide, 20" diamter	
	100M	**A20**
	150M	**A20**
	175M	**A20**
	200M	**A20**
	250M	**A20**
	Metal halide, 26" diameter	
	250M	**A26**
	320M	**A26**
	350M	**A26**
	400M	**A26**
	450M	**A26**

Voltage

120
208[2,3]
240[2,3,4]
277
347
480[3]
TB[5]
TBV[6]

Ballast

Metal halide and high pressure sodium

(blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide

LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA

See pages 384-385 for details.

Options/Accessories

See pages 386-397. HID lamps are available with luminaires. Consult factory.

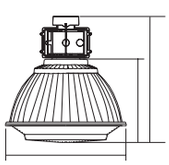
Lamp/fixture data				
	Standard	Weight		S/mtg.
Wattage	ballast	lbs.	kgs.	height
High pressure sodium (mog/clear)				
50 (TXL A20)	HX-HPF	11	5	1.9
70 (TXL A20)	HX-HPF	12	5	1.8
100 (TXL A20)	HX-HPF	14	6	1.9
150 (TXL A20)	HX-HPF	15	7	1.9
200 (TXL A20)	CWA	17	8	1.9
250 (TXL A20)	CWA	21	9	1.7
250 (TXL A26)	CWA	29	13	2.0
400 (TXL A26)	CWA	37	17	2.0
Metal halide (med (100) mog/clear)				
100 (TXL A20)	CWA	16	7	1.8
175 (TXL A20)	CWA	17	8	1.8
250 (TXL A20)	CWA	20	9	1.7
250 (TXL A26)	CWA	25	11	2.2
400 (TXL A26)	CWA	32	15	2.2

NOTES:

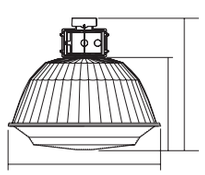
1 Replace **A** in optical nomenclature with **P** for polycarbonate lens.
2 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
3 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
4 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
6 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W metal halide and high pressure sodium (CWA only).

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

TX A20
Overall height: 21-3/8 (54.3)
Reflector height: 14-1/2 (36.2)
Diameter: 20-3/4 (52.7)



TX A26
Overall height: 24-3/8 (61.9)
Reflector height: 17-1/16 (43.3)
Diameter: 27-1/2 (69.9)



www.lithonia.com, keywords: TX-A20 and TX-A26

TX A30

Hi-Tek®

Intended Use

For areas that require high efficiencies, high horizontal and vertical illumination and good glare control at low mounting heights. Ideal for general open areas, retail spaces, aisles and manufacturing areas. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility Chart on page 735 for suitable uses.**

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sinked to ballast housing for cooler operation.

Ballast – 100% factory tested. High power factor ballast with a minmum of class H insulation.

Optics – Injection-molded virgin acrylic lens, fully fluted, anodized aluminum reflector; exclusive spun-fluted anodized reflector. Hinge and lens retainer latches facilitate tool-less removal for maintenance and cleaning. Totally enclosed, gasketed refractor and reflector inhibit the entrance of ambient contaminants. All distribution patterns are widespread.

Socket – Glazed porcelain, vertically oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse-rated.

Installation – Pendant splice box threaded for ¾" conduit (standard). Other mounting options available.

Listings

UL Listed. CSA Certified. NOM Certified. UL Listed -30°C to 40°C ambient operation and damp locations (High Ambient HA option for 55°C). UL wet location available. Meets UL lamp rupture containment specifications.



A30

Ordering Information

Example: **TX 400M A30 TB SCWA**

Series

TX

Wattage

High pressure sodium

250S
400S

Metal halide

175M
200M
250M
320M
350M
400M
450M

Optical

A30[1]

Voltage

120
208[2,3]
240[2,3,4]
277
347
480[3]
TB[5]
TBV[6]

Ballast

Metal halide and high pressure sodium

(blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide

LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA

See pages 384-385 for details.

Options/Accessories

See pages 386-397. HID lamps are available with luminaires. Consult factory.

Lamp/fixture data

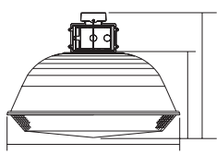
Wattage	Standard ballast	Weight lbs.	Weight kgs.	S/mtg. height
High pressure sodium (mog/clear)				
250	CWA	26	12	2.0
400	CWA	31	14	2.0
Metal halide (mog/clear)				
250	CWA	26	12	2.1
400	CWA	28	13	2.1

NOTES:

1 Replace **A** in optical nomenclature with **P** for polycarbonte lens.
2 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
3 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
4 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
6 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W metal halide and high pressure sodium (CWA only).

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

TX A30
Overall height: 22-1/4 (56.5)
Reflector height: 15-1/4 (38.7)
Diameter: 30-3/4 (78.1)



www.lithonia.com, keyword: TX-A30

LITHONIA LIGHTING®

Enclosed Aluminum Optical

TX A23

Hi-Tek®



A23

Intended Use

For areas that require vertical illumination and glare control at low mounting heights. Ideal for general open areas, retail spaces and aisles. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility Chart on page 735 for suitable uses.**

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sinked to ballast housing for cooler operation.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – Injection-molded, virgin acrylic lens and highly reflective, white polyester powder painted reflector. UV stabilized. Hinge and lens retainer latches facilitate tool-less removal for maintenance and cleaning. Inhibits entrance of outside contaminants.

Socket – Glazed porcelain, vertically oriented socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation – Pendant splice box threaded for ¾" conduit (standard). Other mounting options available.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. Meets UL lamp rupture containment specifications. UL Listed for damp locations. Ambient operation:-30° to 40°C (High Ambient HA option for 55°C). UL wet location available.

Ordering Information

Example: **TX 400M A23 TB SCWA**

Series

TX
TXD[1]

Wattage

High pressure sodium
250S
400S
Metal halide
175M
200M
250M
320M
350M
400M
450M

Optical

A23[2]

Voltage

120
208[3,4]
240[3,4,5]
277
347
480[3,4]
TB[6]
TBV[7]

Ballast

Metal halide and high pressure sodium
(blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA

See pages 384-385 for details.

Options/Accessories

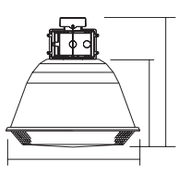
See pages 386-397. HID lamps are available with luminaires. Consult factory.



TXD[1]

Lamp/fixture data				
	Standard	Weight		S/mtg.
Wattage	ballast	lbs.	kgs.	height
High pressure sodium (mog/clear)				
250	CWA	23	10	1.6
400	CWA	29	13	1.6
Metal halide (mog/clear)				
250	CWA	21	10	1.7
400	CWA	25	11	1.7

TX A23
Overall height: 22-1/4 (56.5)
Reflector height: 15-1/4 (38.7)
Diameter: 23 (58.4)



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
TX 250M A23 TB
TX 400M A23 TB

NOTES:

1 TXD consists of TX housing and A23 optical assembly shipped in one carton. Available with tapped ballast or 480V only. Available only in 250M, 320M and 400M.
2 Replace **A** in optical nomenclature with **P** for polycarbonte lens.
3 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
4 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
5 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
6 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
7 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W metal halide and high pressure sodium (CWA only).

SX A23

Hi-Tek®



A23

Intended Use

For areas that require vertical illumination and glare control at low mounting heights. Ideal for general open areas, retail spaces and aisles. Steel ballast housing should be used in areas with minimal airborne contaminants. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatability Chart on page 735 for suitable uses.**

Features

Housing – Steel housing with white polyester powder coat finish. All electrical components are positioned to assure unit will hang straight. Housing is ventilated for optimal thermal performance.

Ballast – Electronic ballast is 100% factory tested. Ballast will operate pulse start lamps only from 200-277V.

Optics – Injection-molded, virgin acrylic lens and highly reflective, white polyester powder painted reflector. UV stabilized. Hinge and lens retainer latches facilitate tool-less removal for maintenance and cleaning. Inhibits entrance of outside contaminants.

Socket – Glazed porcelain, vertically oriented socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation – One-piece galvanized hook and spring steel latch with cord and plug (SC3P) is standard. Pendant splice box (PSB) with top entry for $^{3}/_{4}$" conduit also available with mounting options.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. Meets UL lamp rupture containment specifications. UL Listed for damp locations. Ambient operations: -30°C to 40°C (High Ambient HA option for 55°C).

Ordering Information

Example: **SX 400M A23 TVOLT GEB PSB**

Series	Wattage	Optical	Voltage	Ballast	Options/Accessories
SX	Metal halide **320M** **350M** **400M**	**A23**[1]	**208** **240** **277** **TVOLT**[2]	Pulse Start H.I.D. Ballast/Lamp Systems Pulse start metal halide GEB Electronic ballast See pages 384-385 for details.	See pages 386-397. HID lamps are available with luminaires. Consult factory.

Lamp/fixture data				
	Standard	Weight		S/mtg.
Wattage	ballast	lbs.	kgs.	height
Metal halide (mog/clear)				
400	GEB	12	5.5	1.7

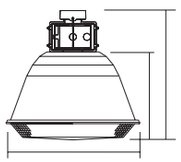
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

NOTES:

1 Replace **A** in optical nomenclature with **P** for polycarbonte lens. HID lamps are available with luminaires. Consult factory.

2 Tri-volt electronic ballast capable of operating on any line voltage between 200V and 277V at 50 or 60 Hz (available with GEB option only). Pendant splice box (PSB) mounting required.

SXA23
Overall height: 23-1/2 (59.7)
Reflector height: 15-1/4 (38.7)
Diameter: 23 (58.4)



www.lithonia.com, keyword: SX-A23

Premium Enclosed NSF Certified Optical

TXF A30F
TXF PA25ALEF

Acrylume® and Hi-Tek®



Intended Use

For general area illumination of food processing and hose-down areas requiring high efficiencies, horizontal illumination, premium glare control, ease of cleanability, compliance to FDA/USDA requirements and/or NSF splash-zone certification. For more NSF information, see page 733. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility Chart on page 735 for suitable uses.**

Features

Housing – Fully gasketed, heavy-duty, die-cast copper free (<0.4%) aluminum ballast housing. Finish meets FDA CFR 21 175.300 for resinous and polymeric coatings. Electrostatically applied white polyester powder paint. Electical components heat-sinked and horizontally opposed. External hardware is stainless steel or corrosion-resistant with no exposed threads.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – PA25ALEF: Enclosed and gasketed, injection-molded, UV stabilized, virgin acrylic reflector and flat lens. A30F: anodized aluminum and UV-stabilized virgin acrylic lens. Gasketed reflector and lens inhibit entrance of contaminants.

Installation – Pendant splice box threaded for ¾" conduit (standard). Other mounting options available.

Socket – Glazed porcelain, vertically oriented, mogul-base socket with copper alloy nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for -30°C to 55° C ambient operation and wet locations. NSF International certified splash-zone and meets FDA/USDA guidlines. Meets UL lamp rupture containment specifications. **A30F is IP65 rated against ingress of water and contaminants and is suitable for high-pressure hose-downs up to 1200 psi.**

Ordering Information

Example: **TXF 400M A30F TB LLSCWA**

Series
TXF

Wattage
High pressure sodium
250S
400S
Metal halide
175M
200M
250M
320M
350M
400M
450M

Optical
PA25ALEF
A30F

Voltage
120
208[1,2]
240[1,2,4]
277
347
480[2]
TB[3]
TBV[5]

Ballast
Metal halide and high pressure sodium
(blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA

See pages 384-385 for details.

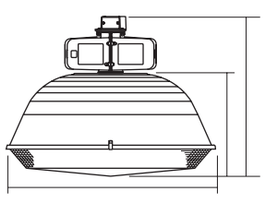
Options/Accessories

See pges 386-397. HID lamps are available with luminaires. Consult factory.

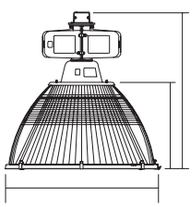
Lamp/fixture data				
Wattage	Standard ballast	Weight lbs.	Weight kgs.	S/mtg. height
High pressure sodium (mog/clear)				
250 (TXF PA25ALEF)	CWA	39	18	1.1
250 (TXF A30F)	CWA	26	12	2.0
400 (TXF PA25ALEF)	CWA	39	18	1.1
400 (TXF A30F)	CWA	31	14	2.0
Metal Halide (mog/clear)				
250 (TXF PA25ALEF)	CWA	35	16	1.2
250 (TXF A30F)	CWA	26	12	2.1
400 (TXF PA25ALEF)	CWA	35	16	1.2
400 (TXF A30F)	CWA	28	13	2.1

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

TXF A30F
Overall height: 22-1/4 (56.5)
Reflector height: 15-1/4 (38.7)
Diameter: 30-3/4 (78.1)



TXF PA25ALEF
Overall height: 26-3/8 (66.9)
Reflector height: 15-3/8 (38)
Diameter: 25-3/4 (65.4)



NOTES:
1 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
2 Requires CWI or MRB option in Canada for high pressure sodium. available for 70-400W only.
3 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
4 220V and 240V 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
5 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400 W, 1000W metal halide and high pressure sodium (CWA only).

www.lithonia.com, keywords: TXF-PA25ALEF and TXF-A30F

TX A121/A125
TX A162/A165

Hi-Tek®



Intended Use

For areas that require high vertical illumination and wide spacings. Ideal for aisles, service areas and parking garages. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility Chart on page 735 for suitable uses.**

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sinked to ballast housing for cooler operation.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – *12″ diameter (A125, A121):* Anodized aluminum reflector with one-piece injection-molded acrylic or polycarbonate refractor and bottom enclosure. *16″ diameter (A165, A162):* High efficiency, optical-quality, white polyester powder finish with one-piece injection-molded acrylic or polycarbonate refractor and bottom enclosure. Consult factory. Type I and II: Asymetrical long and narrow distribution. Type V: Symetrical circular distribution. OB optics are open bottom.

Socket – Glazed porcelain, vertically oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation – Pendant splice box threaded for ¾″ conduit (standard). Other mounting options available.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations and -30°C to 40°C ambient operation (High Ambient HA option for 55°C). UL wet location available, closed bottom only. Meets UL lamp rupture containment specifications (except OB open bottom optics).

Ordering Information

Example: **TX 150S A125 277 HC3P**

Series

TX

Wattage / Optical[3] (select one)

Wattage	Optical[3]	
High pressure sodium, 12″ diameter	Type V	Type I
70S	**A12**	**A121**
100S	**A125**	**A121**
150S	**A125**	**A121**
200S[2]	**A1250B**	**A1210B**
250S[2]	**A1250B**	**A1210B**
Metal halide, 12″ diameter	Type V	Type I
100M	**A125**	**A121**
High pressure sodium, 16″ diameter	Type V	Type II
200S	**A165**	**A162**
250S	**A165**	**A162**
400S[2]	**A1650B**	**A1620B**
Metal halide protected, 16″ diameter[1]	Type V	Type II
320MP[2]	**A1650B**	**A1620B**
350MP[2]	**A1650B**	**A1620B**
400MP[2]	**A1650B**	**A1620B**
450MP[2]	**A1650B**	**A1620B**
Metal halide, 16″ diameter	Type V	Type II
100M	**A165**	**A162**
150M	**A165**	**A162**
175M	**A165**	**A162**
200M	**A165**	**A162**
250M	**A165**	**A162**
400M[2]	**A1650B**	**A1620B**

Voltage

120
208[4,5]
240[4,5,6]
277
347
480[4,5]
TB[7]
TBV[8]

Ballast

Metal halide and high pressure sodium

(blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide

LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA

See pages 384-385 for details.

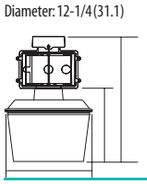
Options/Accessories

See pages 386-397. HID lamps are available with luminaires. Consult factory.

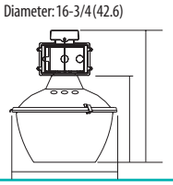
Lamp/fixture data				
Wattage	Standard ballast	Weight lbs.	Weight kgs.	S/mtg. height
High pressure sodium (mog/clear), 12″, Type V				
70	HX-HPF	15	7	1.8
100	HX-HPF	17	8	1.8
150	HX-HPF	17	8	1.8
200	CWA	20	9	2.7
250	CWA	23	10	2.6
High pressure sodium (mog/clear), 16″, Type V				
200	CWA	22	10	1.9
250	CWA	25	11	2.6
400	CWA	36	16	1.8
Metal halide (med/clear), 12", Type V				
100	CWA	15	7	1.8
Metal halide (med (100) mog/clear), 16", Type V				
100	CWA	20	10	1.3
175	CWA	21	10	1.3
250	CWA	23	10	1.3
400	CWA	30	14	1.8

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

TX A125/A121
Overall height: 17 (43.2)
Reflector height: 10 (25.4)
Diameter: 12-1/4 (31.1)



TX A165/A162
Overall height: 19-5/8 (49.8)
Reflector height: 13-5/8 (34.6)
Diameter: 16-3/4 (42.6)



NOTES:
1 See page 385 for details on protected sockets.
2 Open bottom only.
3 Change A in nomenclature to **P**. Example: **P125**. All except open-bottom fixtures meet UL lamp rupture containment specifications.
4 Requires CWI option in Canada for metal halide. Available for 175-400W only. Not available for 250W in 480V.
5 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
6 220V and 240V 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
7 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
8 Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W, 1000W metal halide and high pressure sodium (CWA only).

www.lithonia.com, keywords: TX-A121, TX-A125, TX-A162 and TX-A165

Enclosed Prismatic Acrylic Optical

TGL
TGR



Intended Use

For areas that require optimum vertical illumination with glare control at low mounting heights. Ideal for parking garages, greenhouses, garden centers and low-profile industrial aisles. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility Chart on page 735 for suitable uses.**

Features

Housing – Rugged, heavy, die-cast aluminum housing. Standard finish is natural aluminum polyester powder finish.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Induction lighting: High Frequency Generator/ Ballast - Supplies high-frequency current to the lamp to initiate and maintain a gas discharge for a rated 100,000 hours of life.

Optics – One-piece, injection-molded, 100% virgin acrylic refractor. TGL Type V (A165), Type II (A162), TGR Type V (A125), and Type 1 (A121) distributions are available. Polycarbonate refractor available.

Socket – Glazed porcelain, vertically oriented mogul-base socket with copper alloy, nickel-plated screw shell and center contact. Medium-base (100M only): UL Listed 660W, 600V, 4KV pulse rated.

Discharge Vessel/Lamp – Glass bulb that contains a mixture of low-pressure mercury vapor and inert buffer gas. The wall of the lamp is coated with a fluorescent powder that produces light.

Listings

TGL: UL Listed to US and Canadian safety standards. NOM Certified. TGR: UL Listed and CSA Certified. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40°C (250M); -40°C to 25°C (85IL). UL wet location optional.

Ordering Information

Example: **TGL 175M A165 TB PM**

Series	Wattage	Optical[2] Type V	Optical[2] Type II
High pressure sodium			
TGL	**70S**	**A165**	**A162**
	100S	**A165**	**A162**
	150S	**A165**	**A162**
TGR	**70S**	**A125**	**A121**
	100S	**A125**	**A121**
	150S	**A125**	**A121**
Metal halide			
TGL	**100M**	**A165**	**A162**
	175M	**A165**	**A162**
	200M	**A165**	**A162**
	250M[1]	**A165**	**A162**
TGR	**100M**	**A125**	**A121**
	175M	**A125**	**A121**
Induction			
TGL	**85IL**	**A165**	**A162**
	55IL	**A165**	**A162**

Voltage

120
208[3,4]
240[4,5]
277
347
480[4]
TB[6]

Ballast

Metal halide and high pressure sodium
(blank) Standard magnetic ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer

See pages 384-385 for details.

Options/Accessories

See pages 386-397. HID lamps are available with luminaires. Consult factory.

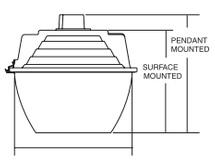
NOTES:
1 Not available with SCWA.
2 Polycarbonate lens: Replace **A** in optical nomenclature with **P** for polycarbonte lens.
3 Requires CWI option in Canada. Only available in 250M.
4 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-150W.
5 220V and 240V, 50Hz and 60Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
6 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).

Lamp/fixture data				
Wattage	Standard ballast	Weight lbs.	Weight kgs.	S/mtg. height
TGL Type V				
High pressure sodium (mog/clear)				
70	HX-HPF	21	9	2.3
100	HX-HPF	23	10	2.3
150	HX-HPF	23	10	2.3
Metal halide [med(100)/mog(175–250)/clear]				
100	CWA	20	9	1.2
175	CWA	23	10	1.7
250	CWA	26	12	1.7
TGR Type V				
High pressure sodium (mog/clear)				
70	HX-HPF	11	5	1.8
100	HX-HPF	13	6	1.7
150	HX-HPF	14	6	1.8
Metal halide [med(100)/mog(175)/clear]				
100	CWA	13	6	1.7
175	CWA	14	6	1.8

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

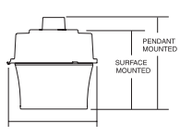
TGL
Overall height: 13-3/8 (34)
Diameter: 16-3/4 (42.5)

TGL PM
Overall height: 15-1/2 (39.4)
Diameter: 16-3/4 (42.5)



TGR
Overall height: 11-1/4 (28.6)
Diameter: 12-1/2 (31.8)

TGR PM
Overall height: 13-3/8 (34)
Diameter: 12-1/2 (31.8)



Ambient Parameters	-40°C to 25°C (-22° to 77°F)	-30° to 40°C (-22° to 104°F)	-30° to 55°C (-22° to 131°F)
TGR		■	
TGL 100-175M			■
TGL 250M		■	
TGL 70-150S			■
TGL 55-85IL	■		

■ = COMPATABILITY

TG

Intended Use

For areas that require low mounting heights. Used in applications including parking garages, stairwells, entrances or aisles.

Features

Housing – Rugged, heavy-duty aluminum housing. Standard finish is dark bronze polyester powder finish.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

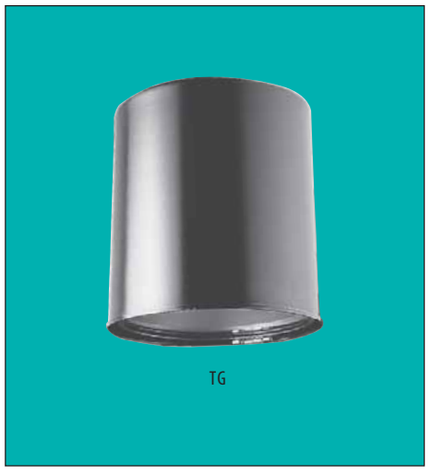
Optics – One-piece, spun-aluminum, anodized reflector provides widespread distribution. High-impact, shock-resistant, tempered glass lens is fully gasketed to seal out contaminants.

Socket – Glazed porcelain, vertically oriented socket with copper alloy, nickel-plated screw shell and center contact. Medium-base: UL Listed 660W, 600V, 4KV pulse rated; mogul-base: UL Listed 1500W, 600V, 4KV pulse rated.

Installation – Quick-mount attachment plate mounts to 4" square or octagonal J-box. Plate is hinged to fixture housing during installation. Fixture is then twist-locked into place and secured in a tamperproof installation. Internal trigger mechanism releases fixture from J-box. **Factory-installed pendant mount option (PSB) available.**

Listings

UL Listed. CSA Certified. NOM Certified. UL Listed for damp locations.



TG

Ordering Information

Example: **TG 175M E13 TB PSB**

Series

TG

Wattage

High pressure sodium, wide distribution

70S
100S
150S
200S

Metal halide

100M[1]
175M
200M
250M

Optical

E13

Voltage

208[1]
240[1,2]
277
347
480[1]
TB[3]

Ballast

Metal halide and high pressure sodium

(blank) Standard magnetic ballast
CWI Constant wattage isolated

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide

LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA

See pages 384-385 for details.

Options/Accessories

See pages 386-397. HID lamps are available with luminaires. Consult factory.

Ambient Parameters	-30° to 25°C (-22° to 77°F)	-30° to 40°C (-22° to 104°F)	-30° to 55°C (-22° to 131°F)
TG 175M			■
TG 250M		■	
TG 70-150S			■
TG 200S		■	

■ = COMPATABILITY

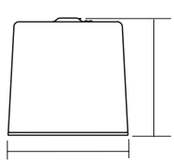
Lamp/fixture data				
Wattage	Standard ballast	Weight lbs.	Weight kgs.	S/mtg. height
High pressure sodium (mog/clear)				
70	HX-HPF	13	6	1.8
100	HX-HPF	15	7	2.2
150	HX-HPF	16	7	2.5
200	CWA	19	9	1.7
Metal halide (med/mog(175–250)/clear)				
100	CWA	15	7	2.2
175	CWA	17	8	2.2
250	CWA	19	9	2.2

NOTES:

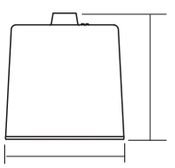
1 Not available in Canada.
2 220V and 240V 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
3 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

TG
Overall height: 13-5/8 (34.6)
Diameter: 13-1/2 (34.3)



TG (PSB)
Overall height: 15 (38.1)
Diameter: 13-1/2 (34.3)



www.lithonia.com, keyword: TG

LITHONIA LIGHTING

2′ x 2′ Recessed Squares

GPV

Parabolic Louvers



Intended Use

Use in recessed hard ceiling and T-bar applications that require optimum horizontal illumination with superior brightness control and lamp shielding. Ideal for open office, retail and commercial areas.

Features

Optics – Specular clear parabolic 16-cell or 9-cell, 4″ deep aluminum louvers float in the middle of a black reveal with tempered glass overlay. Louver door attached with T-hinges and spring loaded latches for positive retention. Coated lamps provide optimum performance.

Housing – 20-gauge steel housing with high reflectance, white polyester paint.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation. Thermally activated insulation detector included.

Socket – Mogul-based porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation – 2' nominal aperture. Power door contains all electrical components. Pre-wired 7', 16-guage leads and 90° connector, no flex. Power door swings down for easy access or can be removed for servicing. Overlapping flange kit (GF-KIT) available for non-T-Bar applications.

Listings

UL Listed. CSA Certified. UL Listed for recessed mounting and damp locations.

Ordering Information

Example: **GPV 400M 9AGL 120**

Series
GPV Vertical lamp

Wattage[1]
Metal halide
175M
200M[2]
250M
320M[2]
350M[2]
400M

Specular louver
16 cells
16AGL Specular clear with glass overlay
9 cells
9AGL Specular clear with glass overlay

STANDARD PACKAGING
To order, use single master catalog number. Example:
(21) **GPV 175M 9AGL 120**
Housings and door assemblies ship separately in unit cartons.
Example above ships as:
(Qty 21) **GPV 175M GL 120 HSG** (21 cartons of 1 housing)
(Qty 21) **GP 9A U** (21 cartons of 1 door assembly)

Voltage
120
208
240
277
347
TB[3]

Ballast
Metal halide and high pressure sodium
(blank) Standard magnetic ballast
CWI Constant wattage isolated
Pulse Start H.I.D. Ballast/Lamp Systems
Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
SCWI Isolated SCWA
See pages 384-385 for details.

Options/Accessories
See page 379. HID lamps are available with luminaires. Consult factory.

NOTES:
1 Mogul-base lamps required. Coated lamps recommended.
2 Available only when ordered with pulse start ballast.
3 Multi-tap ballast. US: 120V, 208V, 240V, 277V; Canada: 120V, 277V, 347V.

Round Reflector

GS



Intended Use

Use in recessed hard ceiling and T-bar applications that require downlight illumination with brightness control. Ideal for recreation facilities, retail and other commercial areas.

Features

Housing – Square steel pan finished in polyester matte white powder paint.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation. Thermally activated insulation detector included.

Optics – One-piece, semi-specular, spun aluminum reflector. Exclusive design with extended shielding provides wide distribution with minimal brightness. White painted steel door assembly with clear tempered glass lens, retention hinge and latch. Coated lamps provide optimum performance.

Socket – Glazed porcelain, vertically oriented, mogul-base socket with copper alloy nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation – Electrical components factory assembled to the pan and ready to lay in a 2'x2' grid ceiling. Pre-wired 7', 16-gauge leads and 90° connector, no flex.

Listings

UL Listed. CSA Certified. UL Listed for recessed mounting and damp locations.

Ordering Information

Example: **GS 175M 120**

Series
GS Vertical lamp, flat pan, round reflector

Wattage[1]
Metal halide
175M
200M[2]
250M
320M[2]
350M[2]
400M

Voltage
120
208
240
277
347
TB[3]

Ballast
Metal halide and high pressure sodium
(blank) Standard magnetic ballast
CWI Constant Wattage Isolated
Pulse Start H.I.D. Ballast/Lamp Systems
Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
SCWI Isolated SCWA
See pages 384-385 for details.

Options/accessories
See page 379. HID lamps are available with luminaires. Consult factory.

NOTES:
1 Mogul-base lamps required. Coated lamps recommended.
2 Available only when ordered with pulse start ballast.
3 Multi-tap ballast. US: 120V, 208V, 240V, 277V; Canada: 120V, 277V, 347V.

G2V
G3V

Prismatic Lenses



Intended Use

Use in hard ceiling and T-bar applications with low mounting heights that require optimum horizontal illumination with brightness control. Ideal for office, retail and commercial areas. Prismatic tempered glass lens with polycarbonate underlay suitable for gymnasiums and racquetball courts.

Features

Optics – Anodized aluminum top reflector. Door assemblies available with choice of prismatic tempered glass, prismatic acrylic and tempered prismatic glass with polycarbonate underlay. Door attaches to housing with T-hinges and two opposing cam latches for positive retention. G3V series rough service door assembly secured by additional four screws.

Housing – 20-gauge steel housing with high reflectance, white polyester paint.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation. Thermally activated insulation detector included.

Socket – Mogul-based porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation – 2x2 lay-in housing design with power door containing all electrical components. Pre-wired 7', 16-guage leads and 90° connector, no flex. G2V power door swings down for easy access or can be removed for servicing. G3V uses four Philips flathead retaining screws for positive retention. Overlapping flange kit available (GFKIT) for non-T-Bar applications.

Listings

UL Listed. CSA Certified. UL Listed for recessed mounting and damp locations.

Ordering Information

Example: **G2V 400M FS T73 120**

Series

G2V
G3V

Wattage[1]

Metal halide

175M
200M[2]
250M
320M[2]
350M[2]
400M

Door frame

RW Regressed white aluminum
FW Flush white aluminum
FS Flush white steel[3]

	Door frames	
	G2V	G3V
RW	Option	Option
FW	Option	*Standard*
FS	*Standard*	N/A

Shielding

T73 Tempered prismatic glass lens
84YGL Holophane #8224Y acrylic lens with tempered glass overlay
A12GL Prismatic acrylic lens with tempered glass overlay
T73/PCL Tempered prismatic glass lens with polycarbonate underlay[4]

Voltage

120
208
240
277
347
TB[5]

Ballast

Metal halide and high pressure sodium
(blank) Standard magnetic ballast
CWI Constant wattage isolated

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
SCWI Isolated SCWA

See pages 384-385 for details.

Options/Accessories

See below. HID lamps are available with luminaires. Consult factory.

NOTES:
1 Mogul-base lamps required. Coated lamps recommended.
2 Available only when ordered with pulse start ballast.
3 Available with G2V luminaires only.
4 Available with G3V luminaires only.
5 Multi-tap ballast. US: 120V, 208V, 240V, 277V; Canada: 120V, 277V, 347V.

G Series Options

Series	Description	Ships		G2V	G3V	GPV	GS
		Attached	Separately				
TRW	White flange trim, baked-on satin enamel finish	X		STD	STD		
QFC	Quick-Flex®	X		X	X	X	X
SF	Single fuse,120/277/347V only, N/A multi-tap ballast	X		X	X	X	X
DF	Double fuse, 280/240/480V only, N/A multi-tap ballast	X		X	X	X	X
QRS	Quartz restrike system (D.C. base)	X		X	X	X	X
QRSTD	Quartz restrike system with time delay	X		X	X	X	X
EC	Emergency circuit (D.C. base)	X		X	X	X	X
TA	Top access	X		X	X	X	
PWS1436	Prewire with 14-gauge THHN leads, 6' flex	X		X	X	X	X
SCWA	Super CWA pulse start ballast	X		X	X	X	X
LLRPSL	Linear reactor pulse start ballast	X		X	X	X	X
KW1	KiloWatch® 120V control relay, 50% wattage reduction	X		X	X	X	X
KW4	KiloWatch® 277V control relay, 50% wattage reduction	X		X	X	X	X
KW150	KiloWatch® 120V control relay, 50% light (lumen) reduction	X		X	X	X	X
KW450	KiloWatch® 277V control relay, 50% light (lumen) reduction	X		X	X		X
TCPF	Plaster frame		X	1	1		
HTC	Earthquake clips		X	2	2	2	2
WG12	Wireguard (for grid ceiling)		X	2	2	2	2
GPFKIT	Flange kit		X			X	
GFKIT	Flange kit		X	X	X		

NOTES:
1 Available flange trim units G2V and G3V only.
2 Available T-bar ceiling units only.

DSA
FSSA

Intended Use

Ideal for illuminating the interior of tractor trailers during initial inspection, loading or unloading.

Features

Construction – Arms and struts constructed of heavy-duty 1-½" cross-section, 14-gauge square steel tubing. Reinforcement mounting brackets provide maximum support of arm and head for long service without sagging or bending. Hinged ends reinforced internally with aluminum inserts. Corrosion-resistant hardware. Nuts are locking and exposed threads are plastic capped. Arm and strut ends feature injection-molded end caps.

Finish – Safety-yellow polyester powder paint is standard on arm, strut and metal lamp head. Polycarbonate lamp heads colored safety yellow.

Electrical System: 120V only. Provided with three-prong plug and 8' cord. Lamp head includes on/off switch and porcelain medium-base socket with copper alloy screw shell and center contact. Electrical cord lengths secured via grommets. high pressure sodium models feature reactor type ballasts.

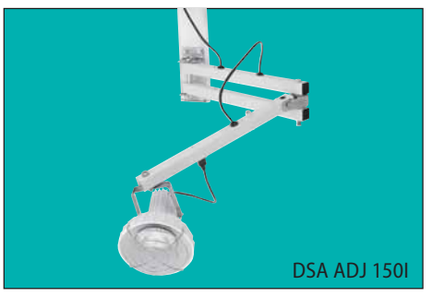
Optical System - Lamp head for 150W incandescent is polycarbonate and metal for 300W incandescent. Both include metal wireguard standard. Polycarbonate 50W high pressure sodium lamp head with reflective coating, integral ballast and flush polycarbonate guard. Optional SED acrylic lens suitable for use in food service dock areas.

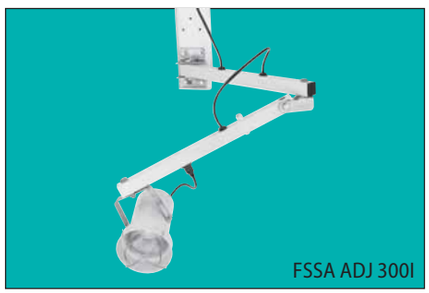
Installation – Arm and strut-mounting bracket included. Arm assembly attaches to wall mounting bracket with single bolt. Lamp head attaches with a single bolt to arm and is powered by a NEMA plug and receptacle assembly in arm. Heavy-duty wall bracket (HDWB) recommended for fan/light combinations.

Listings

Listings – UL Listed to U.S. and Canadian safety standards.


DSA 150I


DSA ADJ 150I


FSSA ADJ 300I

Ordering Information

Example: **DSA40 ADJ 50S LPI**

Series		Length	
DSA	Double-strut arm	**24**	24"
		40	40"
		60	60"
		90	90"
		114	114"
FSSA	Folding single-strut arm	**40**	40"
		60	60"

Knuckle	
ADJ	Adjustable knuckle joint[1]

Lamp	
150I	150W incandescent polycarbonate lamp head with wireguard
300I	300W incandescent metal lamp head with wireguard
50S	50W high pressure sodium polycarbonate lamp head with polycarbonate guard[2]

Options	
SED	Special environment diffuser (acrylic lens)[3]
FAN	3-speed fan[4]
LPI	Lamp included[5]

NOTES:

1 Required for FSSA. Optional for DSA. Not available with DSA24, DSA114.
2 Vacuum metalized polycarbonate lamp head. 90" maximum length.
3 Available for 50S high pressure sodium only.
4 Heavy-duty wall bracket (HDWB) recommended. For fan and DSA arm without lamp head, leave "Lamp" field blank.
5 Standard in 50S models. Not available for incandescent.

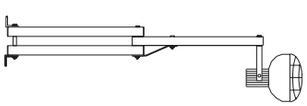
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.


150W incandescent

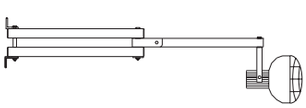

300W incandescent


50W high pressure sodium

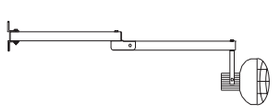
DSA
Lamp head height: 7-7/8 to 8-3/4 (20.0 to 22.2)
Arm length: 26 to 95-1/4 (66.0 to 23.5)



DSA ADJ
Lamp head height: 7-7/8 to 8-3/4 (20.0 to 22.2)
Arm length: 40 to 96-1/4 (101.6 to 244.5)



FSSA ADJ
Lamp head height: 7-7/8 to 8-3/4 (20.0 to 22.2)
Arm length: 47-3/4 to 96-1/4 (121.3 to 244.5)



Accessories (Order separately)

DLMAG KIT	Portable magnetic mounting kit for lamp heads. Includes magnet, 6' cord adaptor and hardware.
FAN	3-speed fan.[4]
HDWB	Heavy-duty wall bracket.
MLH	300W incandescent metal lamp head with wireguard.
PLHI	150W incandescent polycarbonate lamp head with wireguard.
PLHS	50W high pressure sodium polycarbonate lamp head with polycarbonate guard.[2]
MLHWG6	Replacement wireguard for 300W incandescent metal lamp head.
PLHWG8	Replacement wireguard for 150W incandescent polycarbonate lamp head.
PLHPG	Replacement polycarbonate guard for 50W high-pressure sodium polycarbonate lamp head.
SED	Special environment diffuser (acrylic lens).[3]

KiloWatch® II

Intended Use

The KiloWatch® II Integral Sensor System provides individual luminaire dual-level lighting control for maximum energy savings and flexibility. Each luminaire contains an integral sensor that mounts directly to the reflector. Application opportunities include warehouses or select storage areas within manufacturing facilities.

Features

Integral passive infrared motion sensor mounts to the reflector and connects to the ballast housing with flexible metal conduit to control one luminaire based on occupancy. Sensor detects moving temperature differentials against background radiation. When motion is detected, luminaire is switched to high mode for 1.25 to 20 minutes (field adjustable) after motion no longer is detected. Sensor includes timing circuit for automatic high mode start up of lamp for 20 minutes. A self-timing, 100-hour high-mode burn function is field-activated for initial operation of a new lamp.

Sensor is designed for use in indoor applications with 15′ to 45′ mounting heights. Sensor provides 360° of coverage within the luminaire's lighting distribution. Standard operating temperature range from 14°F to 131°F (-10°C to 55°C). Low temperature option (LT) range from -40°F to 131°F (-40°C to 55°C).

KiloWatch II options listed below only are available with CWA/SCWA ballast configurations. The desired option must be designated in the luminaire catalog number Options field.

TH/TX Series

KW1S – Reduces wattage by 50%. (Light output reduces by 70-80%.) Luminaire supplied with motion sensor control and sensor mounting bracket.

KW1S LT – Reduces wattage by 50%. (Light output reduces by 70-80%.) Luminaire supplied with motion sensor control for low temperature and sensor mounting bracket.

SH/SX/SPG Series

ISM - Reduces wattage by 50%. (Light output reduces by 70-80%.) Luminaires supplied with motion sensor control and sensor mounting bracket. For GEB electronic ballast only.

Listings

UL Listed to U.S. and Canadian safety standards. Not for use with dual wattage rated lamps. Lamp manufacturer requires 100 hours high-mode burn-in of new lamps prior to low-mode operation and 15 to 20 minutes of high-mode operation thereafter upon start-up.



Example: **TH 400M PA22 120 KW1S**

Ordering Information

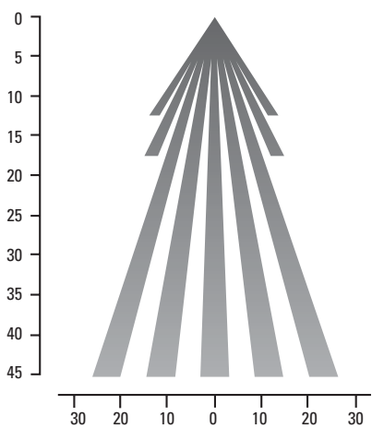
Series	Wattage		Optical		Voltage	Ballast	Options			Accessories		
TE	High pressure sodium	Metal halide	E17	A125	120	(blank) CWA	KW1S[2]	TOB	LCPP	DCY	HKMG	SCK48
TH	150S	175M	E22	A165	208	Pulse Start H.I.D. Ballast/Lamp Systems	KW1S LT[2]	T73	LC3P	DHX	LC3P	SCK108
TX	250S	200M	A15	PA16	240	Pulse start metal halide	SF	CR	HC3P	DSQ	LGG	SMB18
	400S	250M	A16	PA22	277	SCWA Super constant wattage autotransformer	DF	CRT	HOCS	FWG	LPF	SMB24
	1000S	320M	A17	PA22C	347		QRS	TEF	HOCU	GFWG	LPM	TMB30
	Metal halide protected[1]	350M	A22	PA22SP	480	See pages 384-385 for details.	QRSTD	TR	LOCS	HC3P	LPMG	TMB48
	175MP	400M	A14	PA25ALE			EC	SCWA	LOCU	HKF	PPH	WG
	200MP	450M	A26	PA25D			GL	RC3NP	CF	HKM	TPH	WGG
	250MP	1000M	A30	PA22GLE							SCK	
	320MP		A23	PA22N								
	350MP		A20									
	400MP											
	450MP											
	1000MP											

NOTES:
1 See page 385 for details on protected sockets.
2 50% power.

Series	Wattage	Optical	Voltage	Ballast	Options/Accessories	
SH	Metal halide protected[1]	A15	208	Pulse start metal halide	ISM[2]	OCS
SX	320MP	A16	240	GEB Electronic ballast	SF	HA
SPG	350MP	A16GL	277		DF	PSB
	400MP	A23	TVOLT		EL	SC3P
	Metal halide	PA22			QRSTD	WG
	320M	PA22N			See pages 386-397 for details.	
	350M	PA22SP				
		PG15				

NOTES:
1 See page 385 for details on protected sockets.
2 50% power.

SENSOR COVERAGE CHART



www.lithonia.com, keyword: KW

KiloWatch®



Intended Use

KiloWatch® dual-level HID luminaire option provides capability to switch ballast between high mode and low mode operation. Choose from 100% to 50% power operation or 100% to 50% lumen output operation. Luminaires must be combined with motion sensors, photocells and/or control transformers for complete system. Ideal for energy reduction or light level control in warehouses, storage areas, parking garages, shipping docks and gymnasiums.

Features – Components

KWTD – Time delay control. Solid-state, digital timing circuit automatically provides high mode start-up of each lamp for 15 minutes, guaranteeing lamp stabilization. For 120V AC manually switched or 120V AC photocell (KWPC) applications.

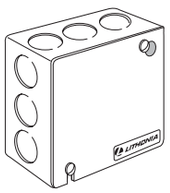
KWTXTD – Time delay control voltage transformer. Provides 120V AC control circuit power for 208/240/277/347/480V AC applications controlled by photocells or manual switching*. Includes solid-state, digital timing circuit for automatic high mode start-up of each lamp for 15 minutes, guaranteeing lamp stabilization. One KWTXTD required for each on/off control zone of up to 30 fixtures.

KWTX – Control voltage transformer. Provides 120V AC control circuit power for 208/240/347/480V AC applications in conjunction with KWIR motion sensors. High mode start-up of each lamp for 20 minutes performed by KWIR sensors. One KWTX required for each on/off control zone of up to 30 fixtures.

KWIR – Passive infrared motion sensor. Switches 120V or 277V control relays in each lighting fixture based on occupancy. Sensor detects moving temperature differentials against background

Manual Controls

shipped separately

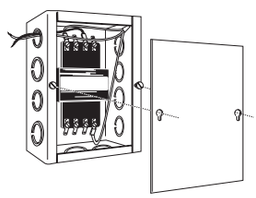


System for 120V AC *(one component)*

KWTD Time delay control, manually switched. Automatic timer keeps fixtures in high mode for 15 minutes after start-up. [1]

Must add **KW1** or **KW150** to fixture description – 120V control.

NOTES:
1 Manual control switches and wall boxes by others.



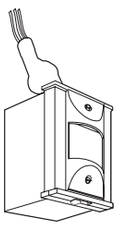
System for 208/240/277/347/480V AC *(one component)*

KWTXTD Control voltage transformer with time delay. Steps supply voltage down for 120V control. Automatic timer keeps fixture in high mode for 15 minutes after start-up.[1]

Must add **KW1** or **KW150** to fixture description – 120V control.

Motion Sensor Controls

shipped separately

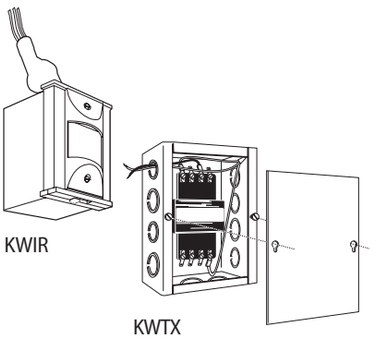


System for 120/277V AC *(one component)*

KWIR Motion sensor[2,3]
KWIR LT Motion sensor, low temperature (-30°)[2,3]
KWIR WA Motion sensor, wide angle[2,3]

Must add **KW1** or **KW150** to fixture description – 120V control.
Must add **KW4** or **KW450** to fixture description – 277V control.

NOTES:
2 Consult factory when using with Reloc® wiring.
3 Sensors have automatic timer to keep fixture in high mode for 20 minutes after start-up.



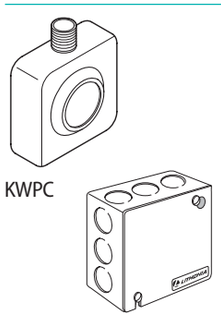
System for 208/240/347/480V AC *(two components)*

KWIR Motion sensor[2,3]
KWIR LT Motion sensor, low temperature[2,3]
KWIR WA Motion sensor, wide angle[2,3]
KWTX Control voltage transformer; steps supply voltage down for 120V control

Must add **KW1** or **KW150** to fixture description – 120V control.

Photocell Controls

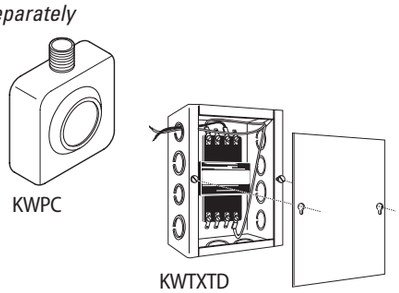
shipped separately



System for 120 AC *(two components)*

KWPC Photocell
KWTD Time delay control; automatic timer keeps fixture in high mode for 15 minutes after start-up

Must add **KW1** or **KW150** to fixture description – 120V control.



System for 208/240/277/347/480V AC *(two components)*

KWPC Photocell
KWTXTD Control voltage transformer with time delay steps supply voltage down for 120V control; automatic timer keeps fixture in high mode for 15 minutes after start-up

Must add **KW1** or **KW150** to fixture description – 120V control.

radiation. When motion is detected, lighting system is switched to high mode for one to 20 minutes (field adjustable) after motion no longer is detected. Sensor includes timing circuit for automatic high mode start-up for 20 minutes. Sensor is factory-preset at optimum performance angle (43°) and can be field-adjusted. Sensor is designed for use in indoor applications with 15′ to 35′ mounting heights where a long and narrow coverage pattern is desired (14°F to 160°F).

KWIR WA – Same as KWIR sensor with wide angle lens designed for use in indoor applications with 7′ to 8′ mounting heights where a short, wide coverage pattern is desired (14°F to 160°F).

KWIR LT– Passive Infrared Motion sensor. Same as KWIR sensor designed for low temperature operation (-40°F to 160°F).

KWPC –Photo-diode sensors. Sensors switch luminaires to low output based on predetermined ambient illumination levels (field adjustable).

Features – Luminaires

KiloWatch options listed below only are available with CWA/SCWA ballast configurations. The desired option must be designated in the fixture catalog number option field.

KW1 – Reduces wattage by 50% (light output reduces by 70-80%). Luminaire supplied with 120V AC control components for use with all manually switched*, KWPC photocell (120/208/240/277/347/480V) or KWIR sensor (120/208/240/347/480V) controlled systems.

KW150 – Reduces light output by 50% (power reduces by 30-40%). Luminaire supplied with 120V AC control components for use with all manually switched*, KWPC photocell (120/208/240/277/347/480V), or KWIR motion sensor (120/208/240/347/480V) controlled systems.

KW4 – Reduces wattage by 50% (light output reduces by 70-80%). Luminaire supplied with 277V AC control components. For use with KWIR motion sensor controlled systems.

KW450 – Reduces light output by 50% (power reduces by 30-40%). Luminaire supplied with 277V AC control components for use with KWIR motion sensor-controlled systems.

Consult factory when using Reloc® with KiloWatch®.

Lamp manufacturers require 100 hours high mode burn-in of new lamps prior to low mode operation and 15 to 20 minutes of high mode operation thereafter upon start-up.

Not for use with dual wattage rated lamps.

* Manual switches and wall boxes by others.

Consult factory for field start-up service.

Ordering Information

Example: TH 400M A16 277 SCWA KW4

Series	Wattage	Optical		Voltage	Ballast	Options		Accessories	
TE	High pressure sodium	E17	PA16	120	(blank) CWA	KW1[3]	T73	DCY	LPM
TH	150S	E22	PA22	208	Pulse Start H.I.D. Ballast/Lamp Systems	KW150[4]	CR	DHX	LPMG
TPG	250S	A15	PA22C	240	Pulse start metal halide	KW4[5]	CRT	DSQ	PPHKR
TPGE	400S	A16	PA22SP	277	SCWA Super constant wattage autotransformer	KW450[6]	TEF	FWG	TPHKR
TX	1000S	A17	PA25ALE	347		SF	TR	GFWG	SCK
TGL	Metal halide protected[1]	A22	PA25D	480		DF	LCKPP	HC3KP	SCK48
TGR	175MP	A14	PA22GLE			QRS	LC3KP	HKF	SCK108
	200MP	A15	PA22N			QRSTD	HC3KP	HKM	SMB18
	250MP	A26	PG16			EC	HOCU[7]	HKMG	SMB24
	320MP	A30	PG16A			GL	LOCU[7]	LC3KP	TMB30
	350MP	A23	PG16GLE			TOB	CF	LGG	TMB48
	400MP	A20	PG16AGLE					LPF	WG
	450MP	A30F	PG21						WGG
	1000MP[2]	A125	PG21A						
	Metal halide	A165	PG21GLE						
	175M	A1250B	PG21AGLE						
	200M	A1650B							
	250M								
	320M								
	350M								
	400M								
	450M								
	1000M[2]								

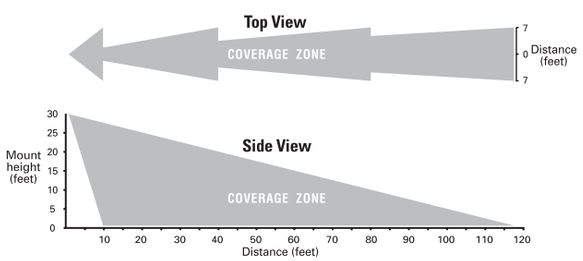
NOTES:
1 See page 385 for details on projected sockets.
2 Not available on 1000W metal halide.
3 120V control relay, 50% wattage.
4 120V control relay, 50% light output.
5 277V control relay for 277V sensor applications only, 50% wattage.
6 277V control relay for 277V sensor applications only, 50% light output.
7 Consult factory when using Reloc® with KiloWatch®.

Ordering Information Example: KWIR

Controls	
Control transformers	Sensors
KWTX	KWIR
KWTXTD	KWIR WA
	KWIR LT
	KWPC

KWIR Motion Detector Coverage
The sensor coverage shown is under ideal conditions. Consult specification sheets for specific information.

The KWIR-WA mounted at 8′ has coverage zone of 120° and distance at 40′.



www.lithonia.com, keyword: KW

Indoor HID Ballast Selection Guide

Metal Halide and High Pressure Sodium Ballasts

The characteristics of high pressure sodium, metal halide and mercury vapor high intensity discharge lamps require a ballast for controlling voltage and current to operate the lamp at its proper wattage. Lamps that are not operated within the optimal performance range will not produce proper light output or experience full life. There are several ballast types to choose that will provide proper control, but offer differing lamp wattage regulation, voltage dip tolerance, watts loss and cost.

CWA – Constant Wattage Autotransformer Ballast

- Operates metal halide and high pressure sodium lamps
- 175W, 250W, 400W, 1000W metal halide and 100W, 200W, 250W, 400W, 1000W high pressure sodium lamps
- Input line voltage 120V, 208V, 240V, 277V, 347V, 480V
- Voltage dip tolerance; 30%
- Moderate watts loss
- Two coils with mid-size core
- Regulation ± 10% line voltage /±10% lamp wattage
- Crest factor 1.7 to 1.8
- Metal halide ballasts rated to operate mercury lamps; 175W, 250W, 400W, 1000W only
- Ideal for manufacturing and assembly type areas, general industrial, recreational and retail

CWI – Constant Wattage Isolated Ballast

- Operates 250W, 400W, 1000W metal halide and 150W, 200W, 250W, 400W high pressure sodium lamps
- Isolated 2-coil system meets Canadian electrical code requirements for 208V and 240V applications in Canada
- Input line voltage 120V, 208V, 240V, 480V
- Voltage dip tolerance; 30%
- Moderate watts loss
- Regulation ± 10% line voltage /±10% lamp wattage
- Crest factor 1.7 to 1.8
- Adds increased safety during lamp replacement

MRB - Magnetic Regulator Ballast

- Operates 70-400W high pressure sodium lamps
- Isolated 3-coil system meets Canadian electrical code requirements for 208V and 240V applications
- Input line voltage 120V, 240V, 277V, 480V
- Voltage dip tolerance; 50%
- High watts loss
- Excellent regulation ±10% line voltage /±3% lamp wattage
- Crest factor 1.5
- Ideal for heavy industrial application or areas with voltage dips and spikes

HX – High Reactance

- Operates 70W, 100W, 150W metal halide and 50W, 70W, 100W, 150W high pressure sodium
- Input line voltage 120V, 277V, 347V
- Low watts loss
- Regulation ± 5% line voltage /±12% lamp wattage
- Crest factor 1.5
- HPF high power factor 90%+ (standard)
- NPF normal power factor 50%+ (available)
- Starting current higher than operating

Pulse Start Metal Halide Ballasts

Pulse start metal halide lamps provide higher lumens per watt and up to 15% better mean lumens than standard probe start lamps with an additional 15% gain in combination with electronic ballasts. These lamps have different operating characteristics that require different ballast designs with an igniter to generate a starting pulse of 2,000 to 3,000 volts. Pulse start lamps will start quicker and reach full brightness sooner during cold and hot starts.

SCWA – Super Constant Wattage Autotransformer
SCWI – SCWA Isolated Ballast

- Operates 150W, 175W, 200W, 250W, 320W, 350W, 400W, 450W, 750W, 875W, 1000W pulse start metal halide lamps
- Input line voltage 120V, 208V, 240V, 277V, 347V, 480V
- SCWI isolated 2-coil system meets Canadian electrical code requirements 400W only – 120V, 208V, 240V only
- Voltage dip tolerance; 45%
- Moderate watts loss
- Regulation ± 10% line voltage /±10% lamp wattage
- Crest factor 1.6
- Ideal for manufacturing and assembly type areas, general industrial, recreational and retail

LLRPSL – Low Loss Reactor Pulse Start Ballast

- Operates 150W, 200W, 320W, 350W, 400W and 450W pulse start metal halide lamps
- Input line voltage 277V only
- Voltage dip tolerance; 25%
- Low watts loss – energy saving ballast
- Single coil with smallest core design
- Regulation ± 5% line voltage /±12% lamp wattage
- Crest factor 1.4 to 1.5
- Starting current higher than operating
- Energy saver in areas where line dip tolerance is not critical; well suited for retail, light manufacturing, assembly type areas, institutional and recreational

RLB – Regulated Lag Ballast

- Operates 175W, 250W, 400W, 450W pulse start metal halide lamps (450W for 277V only)
- Input line voltage 120V, 208V, 240V, 277V, 347V, 480V
- Voltage dip tolerance; 50%
- High watts loss
- Excellent regulation ±10% line voltage /±3-7% lamp wattage
- Crest factor 1.5
- Ideal for heavy industrial application or areas with voltage dips and spikes

GEB - Electronic Pulse Start Ballast

- Operates 320W, 350W, 400W pulse start metal halide lamps
- Auto-sensing input line voltage 200V to 277V 50/60Hz
- Voltage dip tolerance; 56%, automatically reduce lamp power 50% for dip below 180V
- Low watts loss – energy-saving ballast
- 0-10VDC dimming control 50% to 100% lamp power
- Total harmonic distortion 15% maximum
- Excellent regulation ±10% line voltage /±0.5% lamp wattage
- Ideal for clean manufacturing and assembly type areas, institutional, recreational and retail

Quieter Operation

Conventional core and coil ballasts have an inherent hum from magnetic elements generated by the ballast circuit. The level of noise created by the luminaire depends on the ballast design, load characteristics, component mounting in the housing, luminaire mounting and acoustical characteristics of the application area. Encapsulating the ballast reduces the noise level created by the ballast for areas where sound levels are critical.

The GEB electronic pulse start ballast also provides a solution to eliminate ballast noise. The electronic ballast uses electronic circuitry to operate the lamps and does not have a core and coil to create the hum of conventional ballasts. The electronic ballast operates the lamp at a frequency that is beyond the audible range for silent operation .

ENC – Encapsulated Ballast

- Provides quieter operation; not available in all fixtures
- Class A sound rating up through 175W
- Class B for 250W and 400W

GEB – Electronic Pulse Start Ballast

- Provides silent operation
- High frequency operation beyond audible range
- See GEB (page 384) for other operating characteristics

❒ = Standard ■ = Option available

Ballast selection table

Series	SH	SPG	SX	TE	TH	THD	TPG	TPGE	TX	TXD	TXF	TG	TGL	TGR	G	GPV	GS
CWA[1]				❒	❒	❒	❒	❒	❒	❒	❒	❒	❒	■	❒	❒	❒
HX[1]					■				■			■	■	❒			
CWI				■	■		■	■	■		■	■	■		■	■	■
MRB				■	■		■	■	■		■						
LLRPSL				■	■		■	■	■		■	■	■		■	■	■
SCWA				■	■	■[2]	■	■	■	■[2]	■	■	■		■	■	■
RLB				■	■		■	■	■		■						
GEB	■	■	■														
ENC				■	■		■	■	■		■	■	■	■	■	■	■

NOTES:

1 CWA is standard for 175W and above, and HX is standard for 150W and below for metal halide and high pressure sodium.

2 Not available on 250W.

Protected Sockets

Mogul Lamp Socket and Metal Halide Mogul Lamp Base Differences

The 2005 National Electric Code NFPA Code 70 Article 410.73 (F)(5) mandates indoor metal halide luminaires with open rated optics to have a means that will permit the luminaire to operate only with an ANSI Type O lamp. This article requires a protected lamp and socket for installations of open rated metal halide luminaires. The differences between the lamp base and socket types are explained below.

ANSI Type E – Type E metal halide lamps are enclosed rated and only suitable for enclosed luminaires that have a glass lens or plastic lens rated for arc tube containment. These lamps have a standard mogul base design with a broad contact point as shown. Typical for 175-1500W metal halide lamps.

ANSI Type S – Type S metal halide lamps are rated suitable for use in enclosed luminaires or in open luminaires if certain lamp manufacturer operating conditions are followed. These lamps have a standard mogul base design with a broad contact point as shown. The Type S lamp rating is currently applied to metal halide lamps 350W or greater and will be available after January 1, 2005 for replacement of existing lamps.

ANSI Type O – Type O metal halide lamps are open rated protected lamps for use in open or enclosed luminaires. These lamps have "EX" style exclusionary bases designed specifically for operation with pink protected sockets. The mogul bases of these lamps have a narrow contact point designed for protected lamp sockets. Type O lamps most commonly have a cylindrical quartz barrier around the arc tube while some ceramic metal halide arc tubes are wrapped with wire. Typical for 175-1500W metal halide lamps.

Standard Mogul Base Sockets – Standard sockets are constructed of porcelain and are white in color. The center contact tab will accept ANSI Type E, S and O rated lamps. These sockets will continue to be used for metal halide HID lamps in indoor luminaires with enclosed optics.

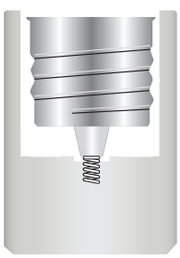
Protected Mogul Base Sockets – Protected sockets are constructed of porcelain and are pink in color. The center contact tab is surrounded by a barrier that excludes ANSI Type E and S lamps by preventing contact between the center pin on the lamp base and center tab on the lamp socket. Type O rated lamps have a narrow center pin that fits in the barrier to make contact with the center tab. These sockets will be required for indoor HID metal halide luminaires with open optics to comply with 2005 NEC.



Type O – "EX" mogul base



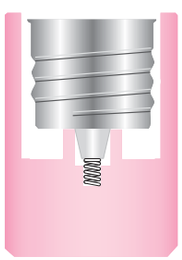
Type E and S mogul base



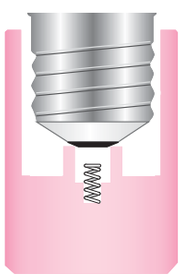
Type O lamp in white standard mogul socket



Type E and S lamp in white standard mogul socket



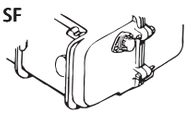
Type O lamp in pink protected mogul socket

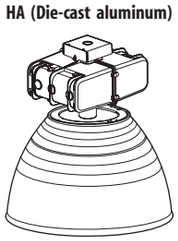


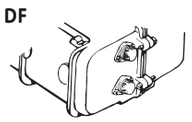
Type E and S lamp in pink protected mogul socket

www.lithonia.com, keyword: Protected Socket

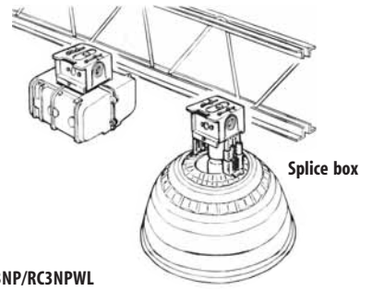
Options & Accessories

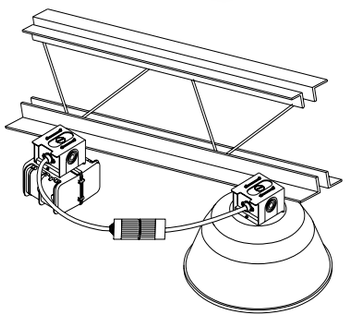


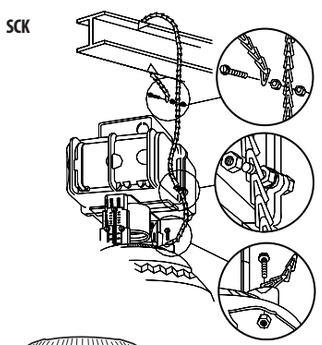




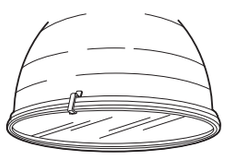












See Option & Accessories matrix on pages 394-395 for compatibility.

Ballast Housing Options & Accessories

SF *Single fuse.* Use with 120V, 277V, 347V. Externally accessible in-line fusing isolates luminaire from circuit. Specify tap voltage if combined with multi-tap ballast (TB1=120V, TB4=277V, TB5=34V7) or five-tap ballast (TBV1=120V, TBV4=277V).

DF *Double fuse.* Use with 208V, 240V, 480V. Externally accessible in-line fusing isolates luminaire from circuit. Specify tap voltage if combined with multi-tap ballast (TB2=208V, TB3=240V) or five-tap ballast (TBV2=208V, TBV3=240V, TBV6=480V).

HA *High ambient.* Allows the industrial luminaires to be operated in higher ambient temperatures. TX low bay series is 55°C. TH, TE, TPG, TPGE high bay series is 65°C. Large die-cast aluminum ballast housing included for TH, TE, TX, TPG, TPGE. Steel housing SH, SX, SPG series is 55°C and includes external heat shield.

WL *Wet location label.* Signifies that the luminaire meets all UL requirements for proper, safe operation in environments subject to spray of non-corrosive and nonflammable liquids. Fixture requires rigid pendant mounting or wet location HC3PC3RWT assembly.

TR *Remote ballast luminaire.* Add TR to end of complete fixture catalog number. Includes ballast housing, optic and appropriate remote optical splice box. Does not include interconnecting wiring. Ballast, optic and splice box ship separately.

RC3NP *Remote ballast luminaire with pre-wired cord.* Add RC3NP to end of complete fixture catalog number. Includes ballast housing, optic and appropriate remote optical mounting box and 3 feet of pre-wired cable harness with male and female 20A twist lock plug (C3NP) factory attached. Ballast, optic and splice box ship separately.

RC3NPWL *Remote ballast luminaire with pre-wired cord for wet location.* Add RC3NPWL to end of complete fixture catalog number. Same as RC3NP except listed for wet location.

SCK *Safety chain kit.* Kit includes chain and attachment hardware for field installation. Add SCK (5'), SCK84 (7'), SCK120 (10') to fixture catalog number or order separately as SCK (5'), SCK84 (7'), SCK120 (10').

Optic Options & Accessories

CF *Charcoal filter.* Used with enclosed and gasketed luminaires. Filter prevents particulate contaminants from entering the optical assembly during start-up and cool-down periods. Filter consists of activated charcoal granules freely suspended between multiple layers of polyester filtering material.

GL17/GL22 *Glass lens for TH A17/A22.* Frequent cleaning maintains performance. (Does not meet UL lamp rupture containment specifications.) RK1 MHINGE U kit must be specified when ordering lens separately for field modification.

T73 *Corning C73.* Prismatic tempered glass lens

UP *Uplight.* Glass enclosure for TE E17/E22.

	SF	DF	HA	WL	TR	RC3NP	RC3NPWL	SCK	CF	GL17/GL22	T73	UP
Ships attached	●	●	●	●					●	●	●	●
Ships separately					●	●	●	●		●		

Quartz Lamp Options

EC *Emergency circuit.* Factory-installed, double-contact, 120V bayonet-base quartz socket with socket leads for use with separate external emergency power system. Reference Quartz Lamp Wattage table for maximum wattage. 120V quartz lamp not included.

QRS *Quartz restrike system.* Factory-installed, double-contact, bayonet-base quartz socket with socket leads. Automatically switches quartz lamp on if there is a power interruption or brownout significant enough to cause the primary HID lamp to drop out. The quartz lamp stays on until the HID fixture restrikes. QRS does not energize during cold start of HID luminaires. Wiring for the quartz lamp is internal to the ballast assembly; the ballast supplies voltage required to operate the quartz lamp. The fixture must be energized for quartz lamp to operate. Reference Quartz Lamp Wattage table for maximum wattage. 120V quartz lamp not included.

QRSTD *Quartz restrike system time delay.* Factory-installed, double-contact, bayonet-base quartz socket with socket leads. Functions same as QRS, but quartz lamp energizes under hot and cold starting conditions. Quartz lamp will come on when luminaire is energized and remain on for two minutes after startup or restrike. Wiring for the quartz lamp is internal to the ballast assembly; the ballast supplies voltage required to operate the quartz lamp. The fixture must be energized for quartz lamp to operate. Reference Quartz Lamp Wattage table for maximum wattage. 120V quartz lamp not included.

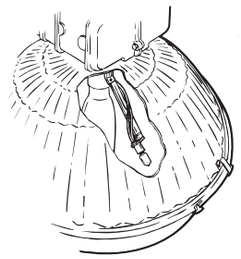
Quartz Lamp Wattage Table
Maximum Rating for EC, QRS, QRSTD Options

	TE/E17/E22	TH/A14/A15/A16/A17/A22	TH/A16GL	TH/PA16	TH/PA22/PA22N/PA22SP	TH/PA22L/PA22E	TH/PA25	TX/PA22GLE/PA22C/PA25D	TX/A20/A23/A26/A30	TX/A162/A165	TG/TGR/TGL	TGP/PG16/PG21/PG16A/PG21A	TPGE/PG16GLE/PG21GLE	TPGE/PG16AGLE/PG21AGLE	TX/A121/A125
Metal halide HID lamp wattage	Quartz Lamp Wattage														
100	–	–	–	–	–	–	–	100	100	100	100	–	–	–	100
175	100	100	100	–	150	150	150	150	150	150	100	150	150	150	–
200	150	150	100	–	150	150	150	150	150	150	100	150	150	150	–
250	250	250	100	–	250	150	150	250	150	150	100	250	150	150	–
300	250	250	100	–	250	150	150	250	150	150	–	250	150	150	–
320	250	250	100	–	250	150	150	250	150	150	–	250	150	150	–
350	250	250	100	–	250	150	150	250	150	150	–	250	150	150	–
400	250	250	100	–	250	150	150	250	150	150	–	250	150	150	–
450	250	250	100	–	250	150	150	250	150	150	–	250	150	150	–
750	250	500	–	–	–	–	150	–	–	–	–	500	150	150	–
875	250	500	–	–	–	–	150	–	–	–	–	500	150	150	–
1000	250	500	–	–	–	–	150	–	–	–	–	500	150	150	–
High pressure sodium HID lamp wattage	Quartz Lamp Wattage														
50	–	–	–	–	–	–	–	100	–	–	–	–	–	–	100
70	100	100	–	–	–	–	–	100	–	100	100	–	–	–	100
100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
150	150	150	150	150	150	150	150	150	150	150	100	150	100	100	150
200	150	150	150	150	150	150	150	150	150	150	100	150	100	100	150
250	250	250	150	250	250	150	150	250	150	150	100	250	250	250	150
400	250	250	150	–	250	150	150	250	150	150	–	250	250	250	–
1000	500	500	–	–	–	–	150	–	–	–	–	500	250	250	–

Add QxxxDC to fixture Catalog # to include lamp (xxx denotes wattage).

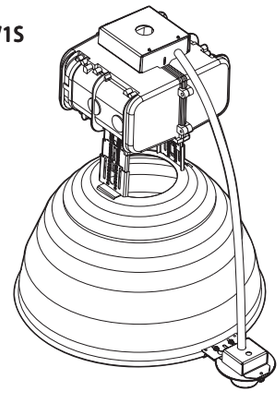
	EC	QRS	QRSTD
Ships attached	●	●	●
Ships separately			

EC/QRS/QRSTD

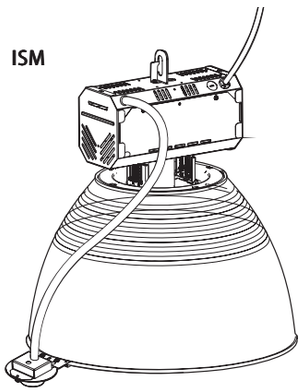


Options & Accessories

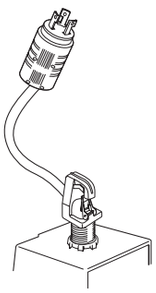
KW1S



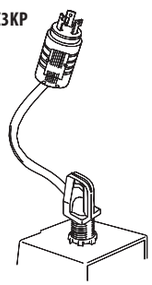
ISM



HC3P/HC3KP



LC3P/LC3KP



HID Dimming Options

KW1 *KiloWatch® 50% power reduction.* 120V AC control circuit for dual-level control system. Requires additional system components. See KiloWatch® data (pages 382-383) or consult factory.

KW4 *KiloWatch® 50% power reduction.* 277V AC control circuit for dual-level control system. Requires additional system components. See KiloWatch® data (pages 382-383) or consult factory.

KW150 *KiloWatch® 50% lumen reduction.* 120V AC control circuit for dual-level control system. Requires additional system components. See KiloWatch® data (pages 382-383) or consult factory.

KW450 *KiloWatch® 50% lumen reduction.* 277V AC control circuit for dual-level control system. Requires additional system components. See KiloWatch® data (pages 382-383) or consult factory.

KW1S *KiloWatch® II 50% power reduction.* Integral sensor unit for individually controlled dual-level system. See KiloWatch® II data (page 381) or consult factory.

KW1SLT *KiloWatch® II 50% power reduction for low temperature.* Integral low temperature sensor unit for individually controlled dual-level system. See KiloWatch® II data (page 381) or consult factory.

ISM *Individually sensored motion detector.* 50% power reduction for individually controlled GEB electronic dimming ballast. See page 381 or consult factory for details.

Cord Mounting Options and Accessories

HC3P *Hook, 3' cord and NEMA twist-lock plug.* For use where receptacle and support means are provided by others. Includes die-cast aluminum hook, 3' of 16-gauge, 105°C cord and NEMA configuration twist-lock plug. Add HC3P to fixture catalog number for factory installed or order separately as HC3P Lx-xxP (Lx-xxP denotes plug configuration. Specify from NEMA Plug Table below). Height 3-1/2".

HC3KP *Hook, 3' cord and NEMA twist-lock plug for KiloWatch®.* Identical in function to HC3P except with NEMA L23-20P plug configuration for KiloWatch®.

LC3P *Loop, 3' cord and NEMA twist-lock plug.* For use where receptacle and support means are provided by others. Includes die-cast aluminum loop, 3' of 16-gauge, 105°C cord and NEMA configuration twist-lock plug. Add LC3P to fixture catalog number for factory installed or order separately as LC3P Lx-xxP (Lx-xxP denotes plug configuration. Specify from NEMA Plug Table below). Height 3-1/2".

LC3KP *Loop, 3' cord and NEMA twist-lock plug for KiloWatch®.* Identical in function to LC3P except with NEMA L23-20P plug configuration for KiloWatch®.

NEMA Plug Table							
Ships attached							Ships separately
Fixture option field		Fixture voltage field			NEMA plug configuration	Amp rating	Accessory item
Hook, 3' cord & plug	Loop, 3' cord & plug	Voltage	TB ballast	TBV ballast			Catalog number
HC3P	LC3P	120	TB1	TBV1	L5-15P	15	HC3P L5-15P
HC3P	LC3P	208	TB2	TBV2	L6-15P	15	HC3P L6-15P
HC3P	LC3P	240	TB3	TBV3	L6-15P	15	HC3P L6-15P
HC3P	LC3P	277	TB4	TBV4	L7-15P	15	HC3P L7-15P
HC3P	LC3P	347	TB5	--	L37-20P	20	HC3P L37-20P
HC3P	LC3P	480	--	TBV6	L8-20P	20	HC3P L8-20P
HC3P20	LC3P20	120	TB1	TBV1	L5-20P	20	HC3P L5-20P
HC3P20	LC3P20	208	TB2	TBV2	L6-20P	20	HC3PL6-20P
HC3P20	LC3P20	240	TB3	TBV3	L6-20P	20	HC3P L6-20P
HC3P20	LC3P20	277	TB4	TBV4	L7-20P	20	HC3P L7-20P

	KW1	KW4	KW150	KW450	KW1S	KW1SLT	ISM	HC3P	HC3KP	LC3P	LC3KP
Ships attached	●	●	●	●	●	●	●	●	●	●	●
Ships separately								●		●	

Cord Mounting Options and Accessories (continued)

HC3PC3RWT *Hook, 3′ cord, NEMA twist-lock and receptacle for wet location.* For use where support means are provided by others. Includes grommeted die-cast aluminum safety hook, 3′ of 16-gauge, 105°C cord and NEMA twist-lock 20A plug and compatible NEMA receptacle.

SC3P *Steel hook, 3′ cord and NEMA twist-lock plug.* Used on steel ballast housing only. For use where receptacle and support means are provided by others. Includes steel hook, 3′ of 16-gauge, 105°C cord and NEMA configuration twist lock plug. 15A plug standard for 120V, 208V, 240V, 277V; 20A plug standard for 347V, 480V. Height 2-5/8″.

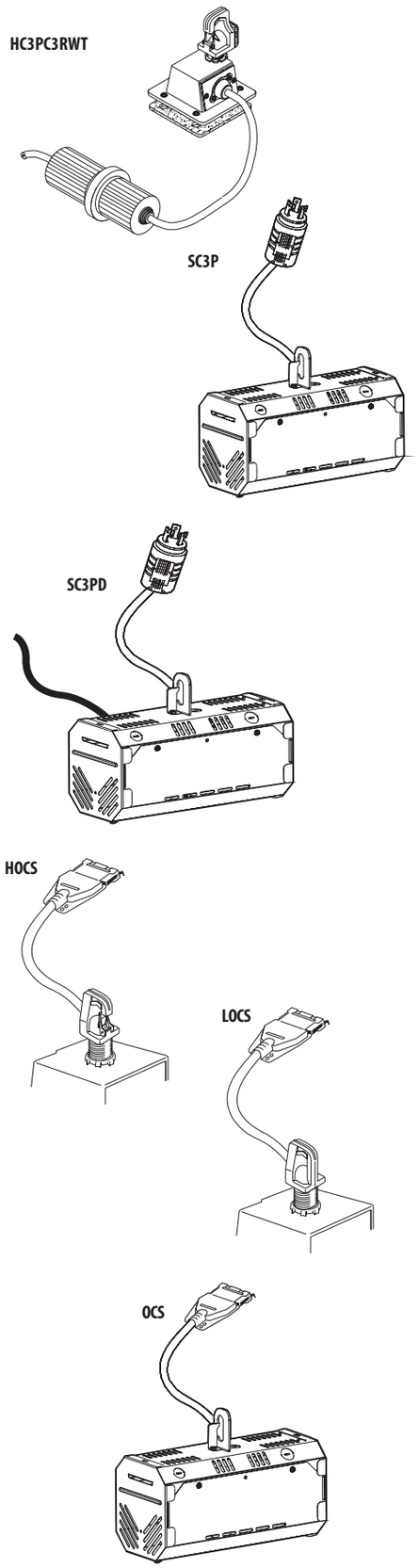
SC3PD *Steel hook, 3′ cord with NEMA twist-lock plug and 3′ low voltage cord.* Same as SC3P with 3′ of low voltage control cord for 0-10VDC dimming. Used on steel ballast housing with GEB electronic ballast only.

Reloc® Mounting Options

HOCS *Hook, cord and Reloc® OCS connector.* For use where support means are provided by others. Requires Reloc® wiring system. Includes die-cast aluminum hook, 5′ of 16-gauge, 105°C white cord and Lithonia Reloc® module. Allows the desired hot conductors needed to energize the fixture to be selected in the field. Allows fixture to be removed from line without interruption of branch circuit. Factory prewired. Height 3-1/2″. In Canada, available in 120V or 347V only. To order, specify voltage. For additional information, see Reloc® OCS component on page 692.

LOCS *Loop, cord and Reloc® OCS connector.* For use where support means are provided by others. Requires Reloc® wiring system. Includes die-cast aluminum loop, 5′ of 16-gauge, 105°C white cord and Lithonia Reloc® module. Allows the desired hot conductors needed to energize the fixture to be selected in the field. Allows fixture to be removed from line without interruption of branch circuit. Factory prewired. Height 3-1/2″. In Canada, available in 120V or 347V only. To order, specify voltage. For additional information, see Reloc® OCS component on page 692.

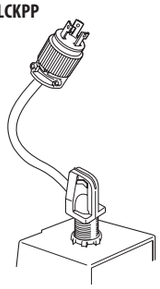
OCS *Hook, cord and Reloc® OCS connector.* For use where support means are provided by others. Requires Reloc® wiring system. Includes steel hook, 5′ of 16-gauge, 105°C white cord and Lithonia Reloc® module. For SH/SX/SPG steel housing only. Allows the desired hot conductors needed to energize the fixture to be selected in the field. Allows fixture to be removed from line without interruption of branch circuit. Factory prewired. Height 3-1/2″. In Canada, available in 120V or 347V only. To order, specify voltage. For additional information, see Reloc® OCS component on page 692.



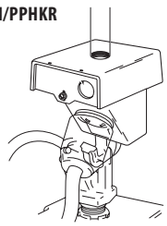
	HC3PC3RWT	SC3P	SC3PD	HOCS	LOCS	OCS
Ships attached	●	●	●	●	●	●
Ships separately						

Options & Accessories

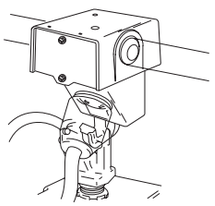
LCPP/LCKPP



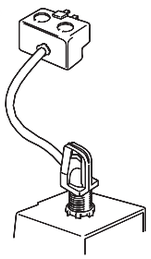
PPH/PPHKR



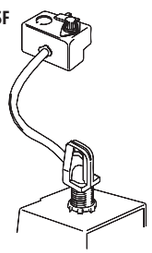
TPH/TPHKR



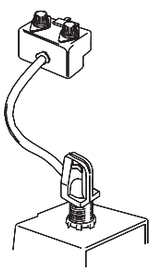
LUCP



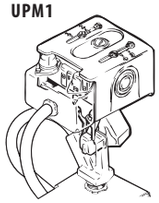
LUCPSF



LUCPDF



UPM1



Power Hook Options & Accessories

LCPP *Loop, cord and plug.* Use with PPH and TPH only. Includes loop, 14″ of 16-gauge, 105°C cord and twist-lock 14A non-NEMA plug configuration for power hooks. Receptacle is part of PPH or TPH accessory. Add LCPP to fixture catalog number for factory installed or order separately as LCPP.

LCKPP *Loop, cord and plug for KiloWatch®.* Use with PPHKR and TPHKR only. Includes loop, 14″ of 16-gauge, 105°C cord and twist-lock NEMA L23-20P plug for power hooks for KiloWatch®. Receptacle is part of TPHKR and PPHKR accessory. Factory installed.

PPH *Pendant power hook.* UL listed as primary disconnect, load break device. Threaded 3/4″ top entry. **Fixture requires LCPP option (loop, cord and plug).** Add PPH to fixture catalog number or order separately as PPH xxx. (xxx – denotes voltage. Specify 120, 208, 240, 277, 347, 480.) Height 5-1/8″; width and depth 4-1/2″.

PPHKR *Pendant power hook for KiloWatch® system.* UL listed as primary disconnect, load break device. Threaded 3/4″ top entry. **Fixture requires LCKPP option (loop, cord and plug for KiloWatch® system).** Add PPHKR to fixture catalog or order separately as PPHKR xxx. (xxx – denotes voltage. Specify 120, 208, 240, 277, 347, 480.) Height 5-1/8″; width and depth 4-1/2″.

TPH *Through-wire power hook.* UL listed as primary disconnect, load break device. Permits side entry for 1-1/4″ or 3/4″ conduit through concentric knockouts. **Fixture requires LCPP option (loop, cord and plug).** Add TPH to fixture catalog number or order separately as TPH xxx. (xxx – denotes voltage. Specify 120, 208, 240, 277, 347, 480.) Height 6-1/4″; width and depth 4-1/2″.

TPHKR *Through-wire power hook for KiloWatch® system.* UL listed as primary disconnect, load break device. Permits side entry for 1-1/4″ or 3/4″ conduit through concentric knockouts. **Fixture requires LCKPP option (loop, cord and plug for KiloWatch® system).** Add TPHKR to fixture catalog or order separately as TPHKR xxx. (xxx – denotes voltage. Specify 120, 208, 240, 277, 347, 480.) Height 6-1/4″; width and depth 4-1/2″.

Universal Power Module Hook & Loop Mounting Options

LUCP *Loop, universal cord and plug.* **Requires UPM1 option (universal power module with hook adapter).** Provides die-cast aluminum loop, 3′ of 16-gauge, 105°C cord and UCP plug. Factory prewired. Height is 3-1/2″.

LUCPSF *Loop, universal cord, plug with single fusing.* **Requires UPM1 (universal power module with hook adapter).** Provides die-cast aluminum loop, 3′ of 16-gauge, 105°C cord and UCP plug. Factory prewired. Height is 3-1/2″.

LUCPDF *Loop, universal cord, plug with double fusing.* **Requires UPM1 (universal power module with hook adapter).** Provides die-cast aluminum loop, 3′ of 16-gauge, 105°C cord and UCP plug. Factory prewired. Height is 3-1/2″.

UPM1 *Universal power module with hook adapter.* UL listed as primary disconnect, load break device. Concentric knockouts for side entry of 1-1/4″ or 3/4″ conduit. Threaded 3/4″ top entry for pendant. **Fixture requires LUCP options (loop, universal cord and plug).** Allows surface, through-wire or pendant mounting. Add UPM1 to fixture catalog number or order separately as UPM1 xxx. (xxx – denotes voltage. Specify 120, 208, 240, 277, 347, 480.) Height 7″, width and depth 4-1/2″.

	LCPP	LCKP	PPH	PPHKR	TPH	TPHKR	LUCP	LUCPSF	LUCPDF	UPM1
Ships attached	●	●					●	●	●	
Ships separately	●		●	●	●	●				●

Universal Power Module Mounting Options

UCP *Universal cord and plug.* **Requires UPM (universal power module) option.** 16-gauge, 105°C cord and plug. Connect to UPM to provide complete power module assembly. Factory prewired module.

UCPSF *Universal cord and plug with single fuse.* **Requires UPM (universal power module) option.** 16-guage, 105° C cord and plug module with single fuse (120V, 277V). Connect to UPM to provide complete power module assembly. Fuse is factory-installed in UCPSF plug module. Factory prewired.

UCPDF *Universal cord and plug with double fuse.* **Requires UPM (universal power module) option.** 16-guage, 105° C cord and plug module double fuse (208V, 240V, 480V). Connect to UPM to provide complete pwer module assembly. Fuses are factory-installed in UCPDF plug module. Factory prewired.

UPM *Universal power module.* UL listed as primary disconnect, load break device. Concentric knockouts for side entry of 1-1/4" or 3/4" conduit. Threaded 3/4" top entry. **Fixture requires UCP (universal cord and plug) options.** Allows flat horizontal surface, through-wire or pendant mounting. Add UPM to fixture catalog number or order separately as UPM xxx. (xxx – denotes voltage. Specify 120, 208, 240, 277, 347, 480.) Height 3-1/2", width and depth 4-1/2".

Box Mounting Options & Accessories

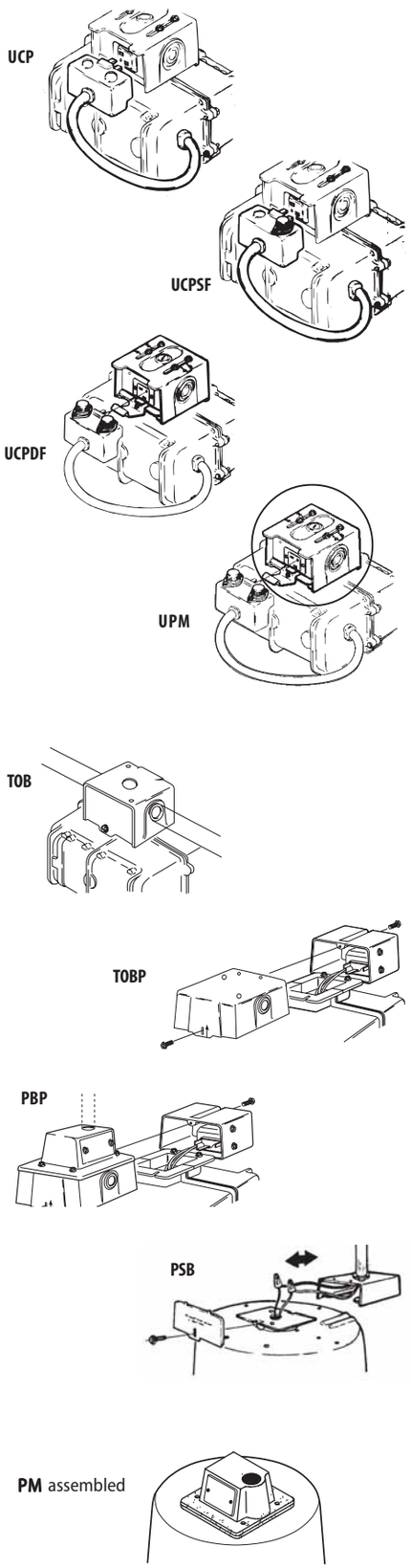
TOB *Through-wire outlet box.* Combination outlet box and splice compartment. Permits side entry for 1-1/4" or 3/4" conduit or top entry for 3/4" conduit through concentric knockouts. May be suspension or surface mounted. Height 2-7/8"; width and depth 4-1/2".

TOBP *Through-wire outlet box plug-in.* Provides plug-in flexibility of conventional power hook and reduces overall height. Permits side entry for 1-1/4" or 3/4" conduit through concentric knockouts. Female receptacle part of TOBP box ships separately. Male plug is factory installed to ballast housing. Not rated as a load break device. Height 2-7/8"; width and depth 4-1/2".

PBP *Pendant box plug-in.* Pendant-mount plug-in outlet box provides plug-in flexibility of conventional power hook. Female receptacle part of PBP box ships separately. Male plug is factory-installed to ballast housing. Not rated as a load break device. Threaded 3/4" entry permits top entry of pendant stem. Height 4-1/2"; width and depth 4-1/2".

PSB *Pendant splice box.* Permits pendant mounting of TG and SH/SX/SPG steel housing series. TG box has 3/4" threaded top entry. SH/SX/SPG box has 3/4" top knockout.

PM *Pendant splice box.* Permits pendant mounting of TGL and TGR series. Die-cast aluminum box has 3/4" threaded top entry.

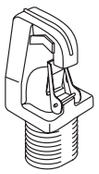


	UCP	UCPSF	UCPDF	UPM	TOB	TOBP	PBP	PSB	PM
Ships attached	●	●	●		●	●	●	●	●
Ships separately				●		●	●		

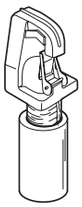
Options and Accessories

Drawings are for dimensional detail only and may not represent actual mechanical configuration.

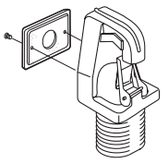
HKM



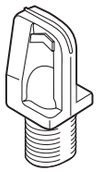
HKF



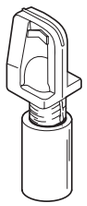
HKMG



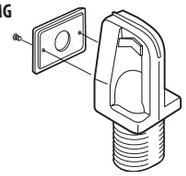
LPM



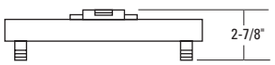
LPF



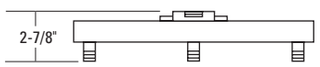
LPMG



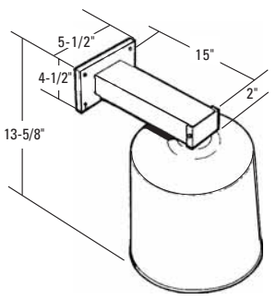
SMB



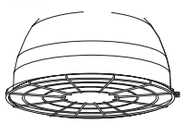
TMB



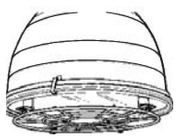
WB



WGA



WGG



WG



Mounting Hooks

HKM *Fixture hook male.* Die-cast aluminum construction with spring steel safety clasp. Overall height is 3-3/4″ including 1″ of threaded nipple. Thread diameter is 3/4″.

HKF *Fixture hook female.* Die-cast aluminum construction with spring steel safety clasp with coupling added for female entry. Overall height is 5-1/4″ including threaded coupling. Thread diameter is 3/4″.

HKMG *Fixture hook male grommeted.* Die-cast aluminum construction with spring steel safety clasp. Gasketed cord exit design keeps dirt from entering hook/cord entry. Overall height is 3-3/4″ including 1″ of threaded nipple. Thread diameter is 3/4″.

LPM *Fixture loop male.* Die-cast aluminum construction with closed loop design. Overall height is 3-3/4″ including 1″ of threaded nipple. Thread diameter is 3/4″.

LPF *Fixture loop female.* Die-cast aluminum construction with closed loop design with coupling added for female entry. Overall height is 5-1/4″ including threaded coupling. Thread diameter is 3/4″.

LPMG *Fixture loop male grommeted.* Die-cast aluminum construction with closed loop design. Gasketed cord exit design keeps dirt from entering Loop/cord entry. Overall height is 3-3/4″ including 1″ of threaded nipple. Thread diameter is 3/4″.

Mounting Bars

SMB *Single mounting bar.* White painted steel channel with 3/4″ pipe couplings suspend remote ballast housing at one end with remote reflector assembly at the other. SMB includes end snap-in closure strips for wire access. Order as **SMB18** for 18″ (overall length) or **SMB24** for 24″ (overall length). Center line of pipe couplings are 3″ from each end.

TMB *Twin mounting bar.* White painted steel channel with 3/4″ pipe couplings suspends two complete fixtures, one at each end. Order as **TMB30** for 30″ (overall length) or **TMB48** for 48″ (overall length). Centerlines of pipe couplings are 3″ from each end.

WB *TG Series wall-mounting bracket.* Extruded aluminum wall bracket for TG, TGL, TGR luminaires. Bracket mounts directly to flat, vertical surface with four bolts (not included). Fixture slides directly onto WB. All wiring connections are made inside wall mounting bracket. **TG requires PSB option** (pendant splice box on page 391). **TGL and TGR fixture require PM option** (pendant splice box on page 391).

Wireguards for Hi-Tek® Aluminum High Bays and Low Bays

WGA *Wireguard for Hi-Tek® open aluminum high bay reflectors.* Use with TH A15/A16/A17/A22 and SH A15/A16 open aluminum reflector high bays. Add WG to fixture catalog number or order separately as WGxxx. (xxx – denotes reflector. Specify A15, A16, A17, A22.)

WGG *Wireguard for enclosed high bay reflectors.* Use with TE E17/E22; TH A17 with GL17/A22 with GL22; TPGE PG16GLE/PG16AGLE/PG21GLE/PG21AGLE reflector high bays. Wireguard is factory installed to glass lens door. **Must be ordered with fixture.** Add WG to fixture catalog number.

WG *Wireguard for Hi-Tek® aluminum low bays.* Use with TX A20/A23/A26/A30 or SX A23. **Must be ordered with fixture.** Add WG to fixture catalog number. Wireguard is factory attached to lens door. Add WG to fixture catalog number.

	HKM	HKF	HKMG	LPM	LPF	LPMG	SMB	TMB	WB	WGA	WGG	WG
Ships attached											●	●
Ships separately	●	●	●	●	●	●	●	●	●	●		

Louver Guard Accessories

LGA *Louver guard for open aluminum high bay reflectors.* Use with TH A16/A17/A22 or SH A16 open aluminum high bays. **Must be ordered with fixture.** Reflector requires factory modification for louver mounting. Add LGAxx to fixture catalog number. (xx – denotes reflector. Specify 16, 17, 22.)

LGG *Louver guard for enclosed aluminum high bay reflectors.* Use with TE E17/E22 enclosed aluminum high bays. **Must be ordered with fixture.** Reflector requires factory modification for louver mounting. Louver mounts to reflector above lens door. Add LGGxx to fixture catalog number. (xx – denotes reflector size. Specify 17, 22.)

Wireguards DuraBay® Prismatic Glass High Bays

WGPG *Wireguard for open prismatic glass high bay reflectors.* Use with prismatic glass reflector high bay TPG PG16/PG21 and shrouded prismatic glass reflector high bay TPG PG16A/PG21A. Wireguard covers bottom opening of reflector. Field installed to bottom of reflector. Add WGxxxx to fixture catalog number or order separately as WGxxxx. (xxxxx – denotes reflector. Specify PG16, PG21, PG16A, PG21A.)

GFWG *Wireguard for enclosed prismatic glass high bay reflectors.* Use with enclosed prismatic glass reflector high bay TPGE PG16GLE/PG21GLE/PG16AGLE/PG21AGLE. Two-piece wireguard protects top reflector and bottom glass lens door. Top portion field installed to reflector neck casting. Bottom portion factory installed to glass lens door. Add GFWGxx to fixture catalog number or order separately as GFWGxx. (xx – denotes reflector size. Specify 16, 21.) Optic, top wireguard and lens door with wireguard ship separately.

Wireguard Acrylume® Prismatic Acrylic High Bays and Low Bays

FWG *Full wireguard.* Use with the TH high bay or TX low bay Acrylume® fixtures. Attaches to bottom of ballast housing. Ships separately as: FWG U (Unit).

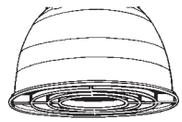
Decorative Shades

Fixture series and size	Cylinder DCY	Square DSQ	Hexagonal DHX	Dia.	Height
TH A16 and TH A17	DCY19 400 (color)	DSQ19 400 (color)	DHX19 400 (color)	19″	30″
TH A17 with WGA, WGG or LGA	DCY22 400 (color)	DSQ22 400 (color)	DHX22 400 (color)	22 ½″	30″
TH A22	DCY24 400 (color)	DSQ24 400 (color)	DHX24 400 (color)	24″	30″
TH A22 with WGA, WGG or LGA	DCY26 1000 (color)	DSQ26 1000 (color)	DHX26 1000 (color)	26″	30″
TE17	DCY22 400 (color)	DSQ22 400 (color)	DHX22 400 (color)	22½″	30″
TE E22	DCY26 1000 (color)	DSQ26 1000 (color)	DHX26 1000 (color)	26″	30″

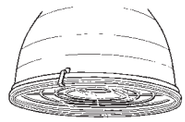
24-gauge steel construction with baked polyester enamel finish. Designed for pendant mounting on rigid conduit only. Not for use on swivel hangers or any self-leveling hanging device. Available in all architectural colors. Custom colors may involve substantial setup fees; consult factory. Mounting and fixture attachment hardware not included.

	LGA	LGG	WGPG	GFWG	FWG	DCY	DSQ	DHX
Ships attached								
Ships separately	●	●	●	●	●	●	●	●

LGA



LGG



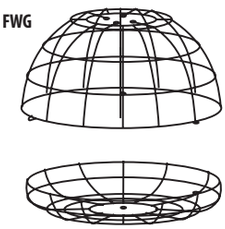
WGPG



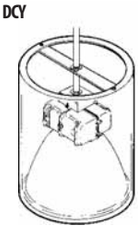
GFWG



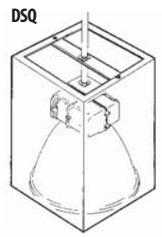
FWG



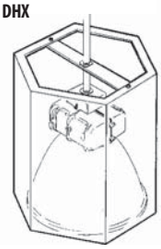
DCY



DSQ



DHX



Options & Accessories

		Ships attached	Ships separately
Ballast Housing Options & Accessories			
SF	Single fuse; 120/277/347V only[1]	●	
DF	Double fuse; 208/240/480V only[1]	●	
HA	55°C ambient operation[2]	●	
HA	65°C ambient operation[2]	●	
WL	Wet location; UL Listed	●	
TR	Remote ballast luminaire		●
RC3NP	Remote ballast (TR) luminaire with pre-wired cord and plug[3]		●
RC3NPWL	Remote ballast (TR) luminaire with pre-wired cord for wet location		●
SCK	Safety chain kit 60"		●
SCK84	Safety chain kit 84"		●
SCK120	Safety chain kit 120"		●
Optic Options			
CF	Charcoal filter[3]	●	
GL	Glass lens (tempered) door enclosure	●	
T73	Corning C73 prismatic tempered glass lens door enclosure	●	
UP	Uplight glass enclosure[3]	●	
Quartz Lamp Options			
EC	Emergency circuit (lamp not included); see page 387 for maximum wattage	●	
QRS	Quartz restrike system (lamp not included); see page 387 for maximum wattage	●	
QRSTD	QRS time delay (lamp not included); see page 387 for maximum wattage	●	
HID Dimming Options			
KW1	KiloWatch® 120V control relay; 50% wattage reduction	●	
KW4	KiloWatch® 277V control relay; 50% wattage reduction	●	
KW150	KiloWatch® 120V control relay; 50% light (lumen) reduction	●	
KW450	KiloWatch® 277V control relay; 50% light (lumen) reduction	●	
KW1S	KiloWatch® II integral sensor unit; 50% wattage reduction[3]	●	
KW1SLT	KiloWatch® II integral low temperature sensor unit; 50% wattage reduction[3]	●	
ISM	Integral sensor unit; 50% wattage reduction (GEB electronic ballast only)	●	
Cord Mounting Options			
HC3P	Hook, 3' cord & 15A NEMA twist-lock plug (20A for 480V)[1,3]	●	●
HC3KP	Hook, 3' cord & NEMA L23-20P KiloWatch® plug[3]	●	
LC3P	Loop, 3' cord & 15A NEMA twist-lock plug (20A for 480V)[1,3]	●	●
LC3KP	Loop, 3' cord & NEMA L23-20P KiloWatch® plug[3]	●	
HC3PC3RWT	Wet location hook, cord and receptacle[1]	●	
SC3P	Steel hook, 3' cord and 15A NEMA twist-lock plug	●	
SC3PD	Steel hook, 3' cord and 15A NEMA twist-lock plug and 3' low voltage control cord	●	
Reloc® Mounting Options			
HOCS	Hook, 5' white cord, Reloc® OCS[1,3,4]	●	
LOCS	Loop, 5' white cord, Reloc® OCS[1,3,4]	●	
OCS	Steel hook 5' white cord, Reloc® OCS	●	
Power Hook Options			
LCPP	Loop, cord and plug; requires PPH or TPH[3]	●	●
LCKPP	Loop, cord and KiloWatch® plug; requires PPHKR or TPHKR[3]	●	●
PPH	Pendant power hook outlet box; luminaire requires LCPP[3]		●
PPHKR	Pendant power hook outlet box for KiloWatch®; luminaire requires LCKPP[3]		●
TPH	Through-wire power hook outlet bos; luminare requires LCPP[3]		●
TPHKP	Through-wire power hook outlet box for KiloWatch®; luminaire requires LCKPP[3]		●

NOTES:

1 Must specify voltage tap for TB and TBV in catalog number voltage field (TB1=120V, TB2=208V, TB3=240V, TB4=277V, TBV1=120V, TBV2=208V, TBV3=240V, TBV4=277V, TBV6=480V).
2 Not available all wattages and voltages. Consult factory.
3 Cannot be combined with (WL) wet location option.
4 Available 120V or 347V only in Canada.
5 Requires (PSB) pendant splice box option.
6 Requires (PM) pendant splice box option.

❑ = Standard
■ = Option available

		High bays															Low bays														
		SH A14	SH A15	SH A16	SH PA22	SPG PG15	TE E17/E22	TH A14	TH A15	TH A16/A16GL	TH A17/A22	TH PA22*/PA25	THDA15/A16	TPG	TPGE	SX A23	TG	TGL	TGR	TX A125/A165	TX A20	TX A23	TX A26	TXD A23	TX A30	TXF A30F	TXF PA25ALEF	TX PA22C	TX PA22GLE	TX PA25ALE	TX PA25D
Ballasthousing options & accessories	SF	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
	DF	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
	HA (55° C)	■	■	■	■	■	❑	❑	❑	❑	❑	■	❑	❑	❑	■	■	■		■	■	■	■		■	■	■			■	
	HA (65° C)						■	■	■	■	■			■	■																
	WL						■											■	■	■	■	■	■		■	❑	❑	■	■	■	■
	TR						■	■	■	■	■	■		■	■					■	■	■	■		■			■	■	■	■
	RC3NP						■	■	■	■	■	■		■	■					■	■	■	■		■			■	■	■	■
	RC3NPWL						■													■	■	■	■		■			■	■	■	■
	SCK	■	■	■	■	■	■	■	■	■	■	■		■	■	■		■	■	■	■	■	■		■			■	■	■	■
	SCK84	■	■	■	■	■	■	■	■	■	■	■		■	■	■		■	■	■	■	■	■		■			■	■	■	■
	SCK120	■	■	■	■	■	■	■	■	■	■	■		■	■	■		■	■	■	■	■	■		■			■	■	■	■
Optic options	CF						■								■	■					■	■	■		■						
	GL17/GL22										■																				
	T73						■																								
	UP						■																								
Quartzlamp options	EC	■	■	■	■	■	■	■	■	■	■	■		■	■		■	■	■	■	■	■	■		■	■	■	■	■	■	■
	QRS						■	■	■	■	■	■		■	■		■	■	■	■	■	■	■		■	■	■	■	■	■	■
	QRSTD	■	■	■	■	■	■	■	■	■	■	■		■	■		■	■	■	■	■	■	■		■	■	■	■	■	■	■
HID dimming options	KW1						■	■	■	■	■	■		■	■			■[2]	■[2]	■	■	■	■		■	■	■	■	■	■	■
	KW4						■	■	■	■	■	■		■	■			■[2]	■[2]	■	■	■	■		■	■	■	■	■	■	■
	KW150						■	■	■	■	■	■		■	■			■[2]	■[2]	■	■	■	■		■	■	■	■	■	■	■
	KW450						■	■	■	■	■	■		■	■			■[2]	■[2]	■	■	■	■		■	■	■	■	■	■	■
	KW1S						■	■	■	■	■	■									■	■	■		■			■	■	■	■
	KW1SLT						■	■	■	■	■	■									■	■	■		■			■	■	■	■
	ISM	■	■	■	■											■															
Cord mounting options	HC3P						■	■	■	■	■	■		■	■		■[5]	■[6]	■[6]	■	■	■	■		■			■	■	■	■
	HC3KP						■	■	■	■	■	■		■	■			■[6]	■[6]	■	■	■	■		■			■	■	■	■
	LC3P						■	■	■	■	■	■		■	■		■[5]	■[6]	■[6]	■	■	■	■		■			■	■	■	■
	LC3KP						■	■	■	■	■	■		■	■			■[6]	■[6]	■	■	■	■		■			■	■	■	■
	HC3PC3RWT						■											■	■	■	■	■	■		■	■	■	■	■	■	■
	SC3P	■	■	■	■	■										■															
	SC3PD	■	■	■	■	■										■															
Reloc® mounting options	HOCS						■	■	■	■	■	■		■	■		■[5]	■	■	■	■	■	■		■			■	■	■	■
	LOCS						■	■	■	■	■	■		■	■		■[5]	■	■	■	■	■	■		■			■	■	■	■
	OCS	■	■	■	■											■															
Power hook options	LCPP						■	■	■	■	■	■		■	■		■[5]	■	■	■	■	■	■		■			■	■	■	■
	LCKPP						■	■	■	■	■	■		■	■		■	■	■	■	■	■	■								
	PPH						■	■	■	■	■	■		■	■		■	■	■	■	■	■	■								
	PPHKR						■	■	■	■	■	■		■	■		■	■	■	■	■	■	■		■			■	■	■	■
	TPH						■	■	■	■	■	■		■	■		■	■	■	■	■	■	■								
	TPHKP						■	■	■	■	■	■		■	■		■	■	■	■	■	■	■								

Options & Accessories

		Ships attached	Ships separately
Universal power module hook and loop mounting			
LUCP	Loop, cord and plug; for use with UPM1[1,2]	●	
LUCPSF	LUCP, single fuse; dead front fusing; 120/277V only; for use with UPM1[1,2]	●	
LUCPDF	LUCP, double fuse; dead front fusing; 208/240/480V only; N/A multi-tap ballast; for use with UPM1[1,2]	●	
UPM1	Universal power module/hook adapter (specify voltage); luminaire requires LUCP, LUCPSF or LUCPDF		●
Universal power module mounting			
UCP	Universal cord and plug; for use with UPM[1,2,3]	●	
UCPSF	UCP with single fuse; dead front fusing; for use with UPM[1,2,3]	●	
UCPDF	UCP with double fuse; dead front fusing; for use with UPM[1,2,3]	●	
UPM	Universal power module (specify voltage); luminaire requires UCP, UCPSF or UCPDF		●
Box mounting			
TOB	Through-wire outlet box[2]		●
TOBP	Through-wire outlet box plug-in[1,2]	●	●
PBP	Pendant box plug-in[1,2]	●	●
PSB	Pendant splice box (steel box)[2]	●	
PM	Pendant splice box (die-cast aluminum box)	●	
Mounting hooks and loops			
HKM	Fixture hook, male		●
HKF	Fixture hook, female ($^3/_4$" threaded coupler)		●
HKMG	Grommeted fixture hook, male		●
LPM	Fixture loop, male		●
LPF	Fixture loop, female ($^3/_4$" threaded coupler)		●
LPMG	Grommeted fixture loop, male		●
Mounting bars			
SMB18	18" single-mounting bar; requires TR remote ballast option[2,4]		●
SMB24	24" single-mounting bar; requires TR remote ballast option[2,4]		●
TMB30	30" twin-mounting bar[2]		●
TMB48	48" twin-mounting bar[2]		●
WB	TG Series wall mounting bracket		●
Wireguards			
WGA	Wire guard for open Hi-Tek® high bay reflectors (specify reflector size 15, 16, 17 or 22)		●
WGG	Wireguard for enclosed high bay reflectors (add WG to catalog number)	●	
WG	Wire guard for Hi-Tek® low bays	●	
LGA	Louver guard for open Hi-Tek® high bays (specify reflector size 16, 17 or 22)		●
LGG	Louver guard for enclosed Hi-Tek® high bays (specify reflector size 17 or 22)		●
WGPG	Wire guard for prismatic glass high bays (specify reflector size 16, 21, 16A or 21A)		●
GFWG	Full wire guard enclosed glass optic		●
FWG	Full wire guard for Acrylume® optics		●
Decorative shades			
DCY	Cylinder shade (specify reflector size and color)[5]		●
DSQ	Square shade (specify reflector size and color)[5]		●
DHX	Hexagonal shade (specify reflector size and color)[5]		●
Paint options			
CR	Enhanced corrosion-resistant finish (polyester), housing and reflector[6]	N/A	N/A
CRT	Non-stick protective coating, housing and reflector[6]	N/A	N/A
Lamp options			
LPI	Lamp shipped in carton with fixture (N/A with incandescent)	●	
W/LAMP	Lamp ships separately (N/A with incandescent)		●

NOTES:

1. Must specify voltage tap for TB and TBV in catalog number voltage field (TB1=120V, TB2=208V, TB3=240V, TB4=277V, TBV1=120V, TBV2=208V, TBV3=240V, TBV4=277V, TBV6=480V).
2. Cannot be combined with (WL) wet location option.
3. Available 120V or 347V only in Canada.
4. Requires (TR) remote ballast option.
5. Pendant mount on rigid conduit. Not for use with any self-leveling hanger.
6. Consult factory for environmental compatibility.
7. Requires (PM) pendant splice box option.
8. Must be ordered with (GL17/GL22) tempered glass lens door enclosure.
9. Housing only.

Optional Architectural Colors	
DNA	Natural aluminum
DSB	Steel blue
DMB	Medium bronze
DTG	Tennis green
DSS	Sandstone
DBL	Black
DWH	White
DGC	Charcoal gray
DBR	Bright red
DDB	Dark bronze

❑ = Standard
■ = Option available

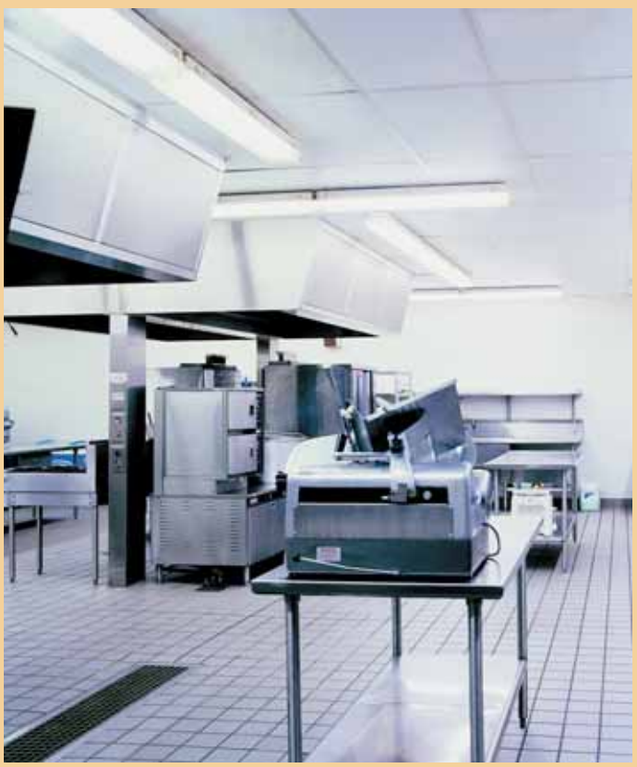
		High bays														Low bays															
		SH A14	SH A15	SH A16	SH PA22	SPG	TE	TH A14	TH A15	TH A16/A16GL	TH A17/A22	TH PA22/PA25	THD A15/A16	TPG	TPGE	SX A23	TG	TGL	TGR	TX A125/A165	TX A20	TX A23	TX A26	TXD A23	TX A30	TXF A30F	TXF PA25ALE	TX PA22C	TX PA22GLE	TX PA25ALE	TX PA25D
Universal power module hook and loop mounting	LUCP						■	■	■	■	■	■		■	■		■	■[7]	■[7]	■	■	■	■		■			■	■	■	■
	LUCPSF						■	■	■	■	■	■		■	■		■	■[7]	■[7]	■	■	■	■		■			■	■	■	■
	LUCPDF						■	■	■	■	■	■		■	■		■	■[7]	■[7]	■	■	■	■		■			■	■	■	■
	UPM1						■	■	■	■	■	■		■	■		■	■[7]	■[7]	■	■	■	■		■			■	■	■	■
Universal power module mounting	UCP						■	■	■	■	■	■		■	■					■	■	■	■		■			■	■	■	■
	UCPSF						■	■	■	■	■	■		■	■					■	■	■	■		■			■	■	■	■
	UCPDF						■	■	■	■	■	■		■	■					■	■	■	■		■			■	■	■	■
	UPM						■	■	■	■	■	■		■	■					■	■	■	■		■			■	■	■	■
Box mounting	TOB	■	■	■	■		■	■	■	■	■	■				■				■	■	■	■		■			■	■	■	■
	TOBP						■	■	■	■	■	■								■	■	■	■		■			■	■	■	■
	PBP						■	■	■	■	■	■								■	■	■	■		■			■	■	■	■
	PSB	■	■	■	■	■	❑	❑	❑	❑	❑	❑	❑			■	■			❑	❑	❑	❑	❑	❑			❑	❑	❑	❑
	PM																	■	■							❑	❑				
Mounting hooks and loops	HKM	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■			■	■	■	■
	HKF	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■			■	■	■	■
	HKMG	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■			■	■	■	■
	LPM	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■			■	■	■	■
	LPF	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■			■	■	■	■
	LPMG	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■			■	■	■	■
Mounting bars	SMB18						■	■	■	■	■	■									■							■	■	■	■
	SMB24						■	■	■	■	■	■									■		■		■			■	■	■	■
	TMB30						■	■	■	■	■	■									■							■	■	■	■
	TMB48						■	■	■	■	■	■									■		■		■			■	■	■	■
	WB																■		■												
Wireguards	WGA		■	■					■	■	■			■																	
	WGG						■				■[8]				■																
	WG																				■	■	■	■							
	LGA			■						■	■																				
	LGG						■																								
	WGPG													■																	
	GFWG														■																
	FWG				■							■								■								■	■	■	■
Decorative shades	DCY						■		■	■	■		■																		
	DSQ						■		■	■	■		■																		
	DHX						■		■	■	■		■																		
Paint options	CR						■	■	■	■	■	■[9]		■[9]	■[9]						■	■	■		■			■[9]	■[9]	■[9]	■[9]
	CRT						■				■			■[9]	■[9]																
Lamp options	LPI												❑											❑							
	W/LAMP	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■



Rough Service

Lithonia Lighting offers a full range of Rough Service fixtures designed to withstand both physical and environmental abuses, from the extreme intent-to-destroy to minor impacts.

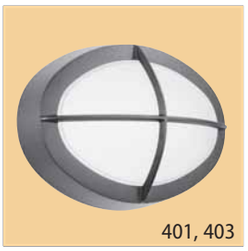
These fixtures are ideal for high-risk applications such as schools, recreational areas, institutions, apartment complexes, train and bus stations, parking garages and government buildings.

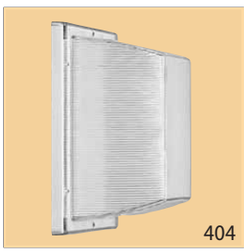




CONTENTS


400, 402


401, 403


404


405


407


408


410


411


412


414


415


416

Architectural

Round 400, 402
Oval 401, 403

Utilitarian

Steel Backplate 404
Cast Housing 405

Linear Fluorescent 412

Surface
Recessed
Industrial

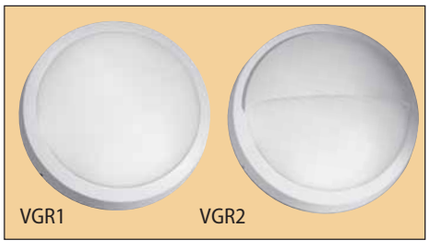
Accessories 418

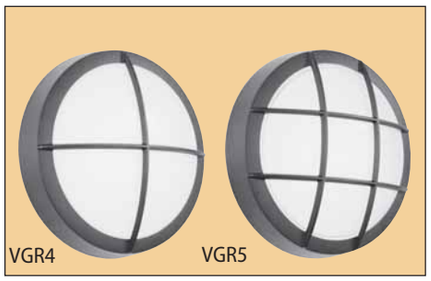
Steel Backplate, Round

VGR

Gateway®

ADA





Intended Use

Architectural luminaires for general illumination in rough service (vandal-resistant) applications. Ideal for interior or exterior applications where safety and security are a concern.

Features

Bezel – One-piece, marine-grade, die-cast aluminum, low copper alloy (<1% copper), .125" thick. Secured to backplate with stainless steel Torx® T10 set screws (two included).

Finish – Standard finish is textured polyester powder coat.

Backplate – 16-gauge steel, post-painted in black polyester powder coat. Universal keyhole and four-point mounting detail.

Lens – Translucent white, injection-molded, UV-stabilized polycarbonate, .125" thick. Smooth exterior for easy cleaning. Interior pattern diffuses light for uniform surface illumination. Optional borosilicate glass lens available (.250 " thick).

Gasket – Polycarbonate: Perimeter lens gasket is one-piece silicone "O" ring. Glass: Perimeter lens gasket is closed-cell silicone. Pad mounting gasket (closed-cell neoprene) seals backplate to mounting surface.

Reflectors – High-gloss white powder coat finish for maximum light output. Lamps positioned for uniform brightness and illumination.

Ballast – Class P, electronic, HPF multi-volt, <10% THD with starting temperature of 0°F. 13TT is Electromagnetic, NPF, 120V only.

Socket – High-temperature thermoplastic with lamp retention clip.

Lamps – 35K 4-pin lamp(s) included unless L/LP is specified.

Listings

UL Listed to US and Canadian safety standards (See Options). NOM Certified (see Options). UL listed for 25°C ambient and wet locations. IP65 rated.

Ordering Information

Example: **VGR1 42TRT GL 120 DWHG GLR LPI**

Series

Low profile (ADA)
- **VGR1** 3.7" deep
- **VGR2** 4" deep
- **VGR4** 4.1" deep[1]
- **VGR5** 4" deep

Lamp type

Twin-tube[2]
- **13TT**
- **2/13TT**

Double twin-tube
- **13DTT**
- **2/13DTT**
- **18DTT**
- **2/18DTT**
- **26DTT**
- **2/26DTT**

Triple-tube
- **26TRT**
- **2/26TRT**
- **32TRT**
- **42TRT**

Lens
- (blank) Polycarbonate
- **GL** Borosilicate glass

Voltage
- **120**
- **277**
- **347**
- **MVOLT**[3]

Paint finishes[4]

Standard textured colors
- **DWHG** White
- **DBLB** Black
- **DDBT** Dark bronze
- **DNAT** Natural aluminum
- **DSST** Sandstone

Optional textured colors
- **DBNH** Bronze
- **DSPD** Dark gray
- **DSPE** Green
- **DSPG** Dark red
- **DSPF** Rust
- **DSPH** Red
- **DSPJ** Light gray

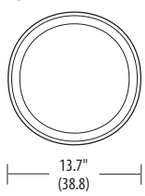
Options
- **ADCF** Advance electronic fluorescent ballast
- **M0TCF** Osram Sylvania electronic fluorescent ballast
- **TUBCF** Universal Lighting Technologies electronic fluroescent ballast
- **2/1** Two 1-lamp ballasts
- **DS** Dual switching
- **GLR** Internal fast-blow fusing[5]
- **GMF** Internal slow-blow fusing[5]
- **NLCF** Compact fluorescent night-light (9W max.)[2,6,7]
- **TRS** Tamper-resistant screws[8]
- **CSA** Listed and labeled to comply with Canadian safety standards
- **NOM** NOM Certified

For other options and accessories, see below and pages 418-419.

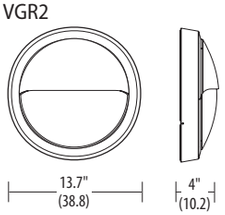
Lamps[9]
- **LPI** Lamp(s) included (standard)
- **L/LP** Less lamp(s)

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

VGR1



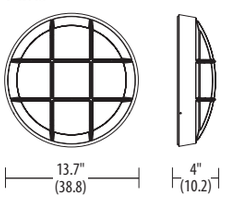
VGR2



VGR4



VGR5



NOTES:
1. Not ADA compliant.
2. 120V only.
3. Multi-volt electronic ballast (for DTT and TRT lamps), capable of operating on any line voltage between 120V and 277V.
4. For additional colors, see Architectural Colors brochure on www.lithonia.com.
5. Must specify voltage. Not available with MVOLT.
6. Available for single lamp units only.
7. Maximum wattage lamp included.
8. Stainless steel Torx® T20 screws with center reject pin.
9. Lamp(s) included unless L/LP is specified.

Accessories	(Order separately)
RK1 T10DRV	Torx® T10 screwdriver for Gateway set screws.
RK1 T20BIT	Torx® T20 hex-base driver bit for TRS option.
RK1 T20DRV	Torx® T20 screwdriver for TRS option.

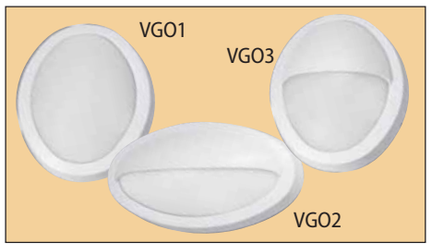
Lamp/Fixture Data

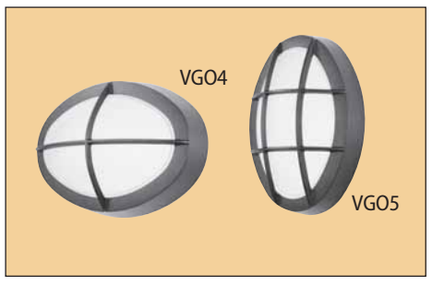
Wattage	Ballast	Weight lbs.	Lamp base
Fluorescent			
13W	Electromagnetic, NPF	8.50	GX23
13W	Electronic, HPF	9.80	G24q-1
18W	Electronic, HPF	9.80	G24q-2
26W	Electronic, HPF	9.80	G/GX24q-3
32W	Electronic, HPF	9.80	GX24q-3
42W	Electronic, HPF	9.80	GX24q-4

VGO

ADA

Gateway®





Intended Use

Architectural luminaires for general illumination in rough service (vandal-resistant) applications. Ideal for interior or exterior applications where safety and security are a concern.

Features

Bezel – One-piece, marine-grade die-cast aluminum, low copper alloy (<1% copper), .125" thick. Secured to backplate with stainless steel Torx® T10 set screws (two included).

Finish – Standard finish is textured polyester powder coat.

Backplate – 16-gauge steel, post-painted in black polyester powder coat. Four-point mounting detail.

Lens – Translucent white, injection-molded, UV-stabilized polycarbonate, .125" thick. Smooth exterior for easy cleaning. Interior pattern diffuses light for uniform surface illumination. Optional borosilicate glass lens available (.250" thick).

Gasket – Polycarbonate: Perimeter lens gasket is one-piece silicone "O" ring. Glass: Perimeter lens gasket is closed-cell silicone. Pad mounting gasket (closed-cell neoprene) seals backplate to mounting surface.

Reflectors – High-gloss white powder coat finish for maximum light output. Lamp positioned for uniform brightness and illumination.

Ballast – Class P, electronic, HPF multi-volt, <10% THD with starting temperature of 0°F. 13TT is electromagnetic, NPF, 120V only.

Socket – High-temperature thermoplastic with lamp retention clip

Lamp – 35K 4-pin lamp included unless L/LP is specified.

Listings

UL Listed to US and Canadian safety standards (see Options). NOM Certified (see Options). UL listed for 25°C ambient and wet locations. IP65 rated.

Ordering Information

Example: **VGO1 32TRT MVOLT DWHG TRS LPI**

Series

Low profile (ADA)	
VGO1	3.7" deep
VGO2	4" deep
VGO3	4" deep
VGO4	4.1" deep[1]
VGO5	4" deep

Lamp type

Twin-tube[2]	
13TT	
Double twin-tube	
13DTT	
18DTT	
26DTT	
Triple-tube	
26TRT	
32TRT	

Lens

(blank)	Polycarbonate
GL	Borosilicate glass[3]

Voltage

120
277
347
MVOLT[4]

Paint finishes[5]

Standard textured colors	
DWHG	White
DBLB	Black
DDBT	Dark bronze
DNAT	Natural aluminum
DSST	Sandstone
Optional textured colors	
DBNH	Bronze
DSPD	Dark gray
DSPE	Green
DSPG	Dark red
DSPF	Rust
DSPH	Red
DSPJ	Light gray

Options

ADCF	Advance electronic fluorescent ballast
MOTCF	Osram Sylvania electronic fluorescent ballast
TUBCF	Universal Lighting Technologies electronic fluorescent ballast
GLR	Internal fast-blow fusing[6]
GMF	Internal slow-blow fusing[6]
TRS	Tamper-resistant screws[7]
CSA	Listed and labeled to to comply with Canadian standards
NOM	NOM Certified

For other options and accessories, see below and pages 418-419.

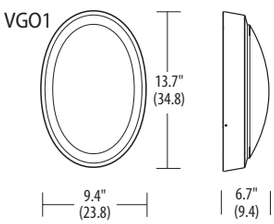
Lamps[8]

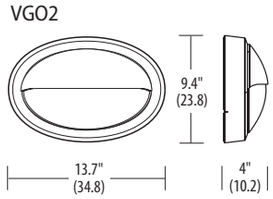
LPI	Lamp(s) included (standard)
L/LP	Less lamp(s)

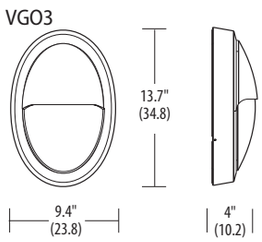
Accessories (Order separately)

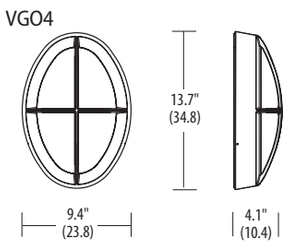
RK1 T10DRV	Torx® T10 screwdriver for Gateway set screws.
RK1 T20BIT	Torx® T20 hex-base driver bit for TRS option.
RK1 T20DRV	Torx® T20 screwdriver for TRS option.

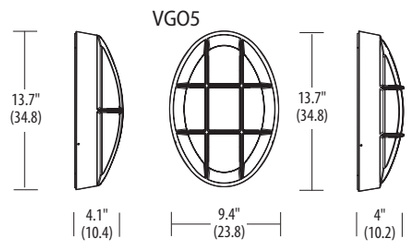
Dimensions are shown in **inches (centimeters)** unless otherwise noted.









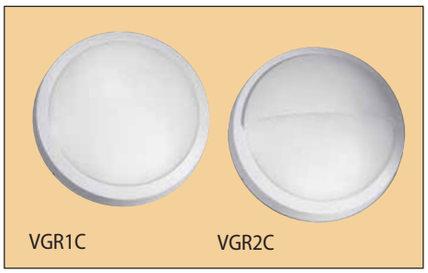


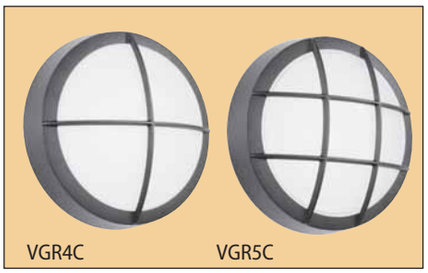
NOTES:
1. Not ADA compliant.
2. 120V only.
3. Not available with TRT lamps.
4. Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V and 277V.
5. For additional colors, see Architectural Colors brochure on www.lithonia.com.
6. Must specify voltage. Not available with MVOLT.
7. Stainless steel Torx® T20 screws with center reject pin.
8. Lamp included unless L/LP is specified.

Lamp/Fixture Data			
Wattage	Ballast	Weight lbs.	Lamp base
Fluorescent			
13W	Electromagnetic, NPF	8.50	GX23
13W	Electronic, HPF	9.80	G24q-1
18W	Electronic, HPF	9.80	G24q-2
26W	Electronic, HPF	9.80	G/GX24q-3
32W	Electronic, HPF	9.80	GX24q-3

VGR

Gateway®





Intended Use

Architectural luminaires for general illumination in rough service (vandal-resistant) applications. Ideal for interior or exterior applications where safety and security are a concern.

Features

Bezel – One-piece, marine-grade die-cast aluminum, low copper alloy (<1% copper), .125" thick. Secured to housing with stainless steel Torx® T10 set screws (two included).

Finish – Standard finish is textured polyester powder coat.

Housing – One-piece, marine-grade, die-cast aluminum, low copper alloy (<1% copper), post-painted in textured polyester powder coat. For use directly over outlet box or conduit entry (½" and ¾" threaded opening).

Lens – Translucent white, injection-molded, UV-stabilized polycarbonate, .125" thick. Smooth exterior for easy cleaning. Interior pattern diffuses light for uniform surface illumination. Optional borosilicate glass lens available (.250" thick).

Reflectors – HID reflectors are semi-specular aluminum. Fluorescent reflectors are high-gloss white powder coat finish for maximum light output. Lamps positioned for uniform brightness and illumination.

Gasket – Polycarbonate: Perimeter lens gasket is one-piece silicone "O" ring. Glass: Perimeter lens gasket is closed-cell silicone. Pad mounting gasket (closed-cell neoprene) seals housing to mounting surface.

Ballast – HID: High reactance, HPF, starting temperature -20°F (MH) or -40°F (HPS). CFL: Class P, electronic, HPF multi-volt. <10% THD with starting temperature of 0°F.

Socket – HID: medium-base 4KV Rated porcelain. CFL: high-temperature thermoplastic with lamp retention clip.

Lamps - 35K 4-pin lamp(s) standard for compact fluorescent. MH: reduced UV lamp is standard. Included unless L/LP is specificied.

Listings

UL Listed to US and Canadian safety standards (see Options). UL listed for 25°C ambient and wet locations. IP65 rated.

Ordering Information

Example: **VGR1C 50M 120 GL DSPH SF LPI**

Series

Deep profile

VGR1C	6.7" deep
VGR2C	6.9" deep
VGR4C	7" deep
VGR5C	6.9" deep

Lamp type

Double twin-tube
- **13DTT**
- **2/13DTT**
- **18DTT**
- **2/18DTT**
- **26DTT**
- **2/26DTT**

Triple-tube
- **26TRT**
- **2/26TRT**
- **32TRT**
- **2/32TRT**
- **42TRT**
- **2/42TRT**

High pressure sodium
- **50S**
- **70S**

Metal halide[1]
- **50M**
- **70M**
- **100M**

Voltage

- **120**
- **208**
- **240**
- **277**
- **347**
- **TB**[2,3]
- **MVOLT**[4,5]

Lens

(blank)	Polycarbonate
GL	Borosilicate glass

Paint finishes[6]

Standard textured colors

DWHG	White
DBLB	Black
DDBT	Dark bronze
DNAT	Natural aluminum
DSST	Sandstone

Optional textured colors

DBNH	Bronze
DSPD	Dark gray
DSPE	Green
DSPG	Dark red
DSPF	Rust
DSPH	Red
DSPJ	Light gray

Options

ADCF	Advance electronic fluorescent ballast
MOTCF	Osram Sylvania electronic fluorescent ballast
TUBCF	Universal Lighting Technologies electronic fluorescent ballast
ADEZ	Advance Mark X electronic dimming ballast[5,7,8]
DMHL	Lutron Hi-Lume electronic dimming ballast[5,7,8]
ELDW	Emergency lighting (750 max. lumens)[5,7,9]
2/1	Two 1-lamp ballasts
DS	Dual switching
DF	Double fuse (208V, 240V)[3,7]
EC	Emergency circuit (Incandescent, 25W max.)[10,11]
GLR	Internal fast-blow fusing[5,7]
GMF	Internal slow-blow fusing[5,7]
NL	Night-light (7W max.)[10,11,12]
PE	Photoelectric cell[7,13]
QRS	Quartz restrike system[3,10]
SF	Single fuse (120V, 277V)[3,7]
TRS	Tamper-resistant screws[14]
VGRDS	Decorative shroud[15]
CSA	Listed/labeled to comply with Canadian standards

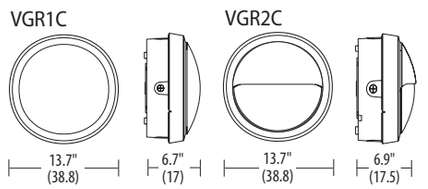
For other options and accessories, see left and pages 418-419.

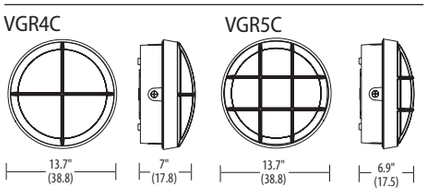
Lamps[16]

LPI	Lamp(s) included (standard)
L/LP	Less lamp(s)

Accessories (Order separately)

RK1 T10DRV	Torx® T10 screwdriver for Gateway set screws.
RK1 T20BIT	Torx® T20 hex-base driver bit for TRS option.
RK1 T20DRV	Torx® T20 screwdriver for TRS option.
VGRDS__	Decorative shroud[17]





NOTES:

1 Low UV lamp is included and recommended for replacement.
2 Multi-tap ballast-US: 120V, 208V, 240V, 277V; Canada: 120V/347V.
3 Available for HID units only.
4 Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V and 277V.
5 Available for compact fluorescent units only.
6 For additional colors, see Architectural Colors brochure on www.lithonia.com.
7 Must specify voltage. Not available with MVOLT or TB.
8 Available with 26DTT, 26TRT and 32TRT.
9 42TRT max. wattage.
10 Maximum wattage lamp included.
11 Available for single-lamp units only.
12 120V only.
13 Not available with DS.
14 Stainless steel Torx® T20 screws with center reject pin.
15 Color will be the same as the bezel.
16 Lamp included unless L/LP is specified.
17 Must specify color (Example: VGRDS DWHG).

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

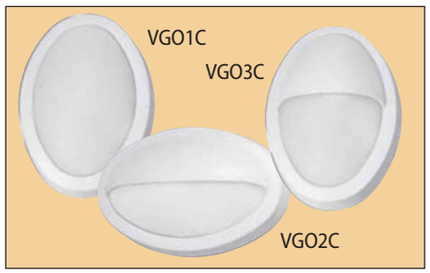
Lamp/Fixture Data

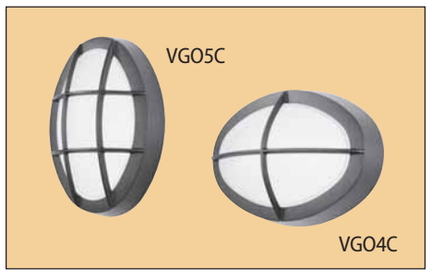
Wattage	Ballast	Weight lbs.	Lamp base
Fluorescent			
13W	Electromagnetic, NPF	8.50	GX23
18W	Electronic, HPF	8.50	G24q-2
26W	Electronic, HPF	8.50	G/GX24q-3
32W	Electronic, HPF	8.50	GX24q-3
42W	Electronic, HPF	8.55	GX24q-4
High pressure sodium			
50W	HX-HPF	16.30	medium
70W	HX-HPF	12.80	medium
Metal halide			
50W	HX-HPF	11.40	medium

www.lithonia.com, keyword: VGR

VGO

Gateway®





Intended Use

Architectural luminaires for general illumination in rough service (vandal-resistant) applications. Ideal for interior or exterior applications where safety and security are a concern.

Features

Bezel – One-piece, marine-grade die-cast aluminum, low copper alloy (<1% copper), .125" thick. Secured to housing with stainless steel Torx® T10 set screws (two included).

Finish – Standard finish is textured polyester powder coat.

Housing – One-piece, marine-grade die-cast aluminum, low copper alloy (<1% copper), post-painted in textured polyester powder coat. For use directly over outlet box or conduit entry (½" and ¾" threaded opening).

Lens – Translucent white, injection-molded, UV-stabilized polycarbonate, .125" thick. Smooth exterior for easy cleaning. Interior pattern diffuses light for uniform surface illumination. Optional borosilicate glass lens available (.250" thick).

Gasket – Polycarbonate: Perimeter lens gasket is one-piece silicone "O" ring. Glass: Perimeter lens gasket is closed-cell silicone. Pad mounting gasket (closed-cell neoprene) seals housing to mounting surface.

Reflectors – High-gloss white powder coat finish for maximum light output. Lamps positioned for uniform brightness and illumination.

Ballast – HID: High reactance, HPF, starting temp. -20°F (MH) or -40°F (HPS). CFL: Class P, electronic, HPF multi-volt. <10% THD with starting temperature of 0°F.

Socket –HID: medium-base 4KV porcelain. CFL: high-temperature thermoplastic with lamp retention clip.

Lamps - 35K 4-pin lamp(s) standard for compact fluorescent. MH: reduced UV lamp is standard. Included unless L/LP is specificied.

Listings

UL Listed to US and Canadian safety standards (see Options). UL listed for 25°C ambient and wet locations. IP65 rated.

Ordering Information

Example: **VGO1C 50S TB DSPD PE LPI**

Series

VGO1C	6.7" deep
VGO2C	6.9" deep
VGO3C	6.9" deep
VGO4C	7" deep
VGO5C	6.9" deep

Lamp type

Double twin-tube	Triple-tube
13DTT	**26TRT**
18DTT	**32TRT**
26DTT	**42TRT**
	High pressure sodium
	50S
	Metal halide[1]
	50M

Voltage

120
208
240
277
347
TB[2,3]
MVOLT[4,5]

Lens

(blank)	Polycarbonate
GL	Borosilicate glass

Paint finishes[6]

Standard textured colors

DWHG	White
DBLB	Black
DDBT	Dark bronze
DNAT	Natural aluminum
DSST	Sandstone

Optional textured colors

DBNH	Bronze
DSPD	Dark gray
DSPE	Green
DSPG	Dark red
DSPF	Rust
DSPH	Red
DSPJ	Light gray

Options

ADCF	Advance electronic fluorescent ballast
MOTCF	Osram Sylvania fluorescent ballast
TUBCF	Universal Lighting Technologies electronic fluroescent ballast
ADEZ	Advance Mark X electronic dimming ballast[7,8]
DMHL	Lutron Hi-lume electronic dimming ballast[7,8]
DF	Double fuse (208V, 240V)[3,7]
EC	Emergency circuit (Incandescent, 25W max.)[9]
GLR	Internal fast-blow fusing[5,7]
GMF	Internal slow-blow fusing[5,7]
NL	Night-light (Incandescent, 7W max.)[9,10]
PE	Photoelectric cell[7]
QRS	Quartz restrike system[3,9]
SF	Single fuse (120V, 277V)[3,7]
TRS	Tamper-resistant screws[11]
CSA	CSA Certified

For other options and accessories, see below and pages 418-419.

Lamps[12]

LPI	Lamp(s) included (standard)
L/LP	Less lamp(s)

NOTES:

1 Low-UV lamp is included and recommended for replacement.
2 Multi-tap ballast-US: 120V, 208V, 240V, 277V; CA:120/347V.
3 Available for HID units only.
4 Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V - 277V.
5 Available for compact fluorescent units only.
6 For additional colors, see Architectural Colors brochure on www.lithonia.com.
7 Must specify voltage. Not available with MVOLT or TB.
8 Available with 26DTT and TRT lamps; excludes 42TRT.
9 Maximum wattage lamp included.
10 120V only.
11 Stainless steel Torx® T20 screws with center reject pin.
12 Lamp(s) included unless L/LP is specified.

Lamp/Fixture Data

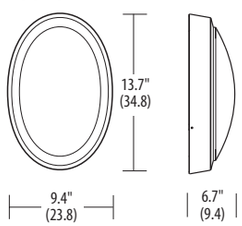
Wattage	Ballast	Weight lbs.	Lamp base
Fluorescent			
13W	Electronic, HPF	9.80	G24q-2
18W	Electronic, HPF	9.80	G/GX24q-3
26W	Electronic, HPF	9.80	GX24q-3
32W	Electronic, HPF	9.80	GX24q-4
High pressure sodium			
50W	HX-HPF	16.30	medium
Metal halide			
50W	HX-HPF	11.40	medium

Accessories (Order separately)

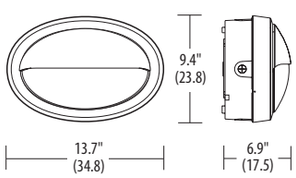
RK1 T10DRV	Torx® T10 screwdriver for Gateway set screws.
RK1 T20BIT	Torx® T20 hex-base driver bit for TRS option.
RK1 T20DRV	Torx® T20 screwdriver for TRS option.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

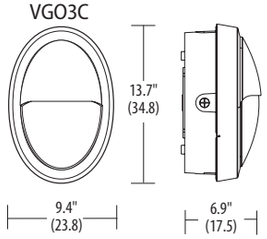
VGO1C



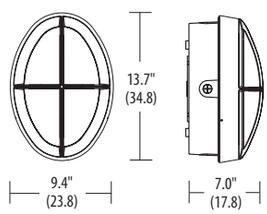
VGO2C



VGO3C



VGO4C



www.lithonia.com, keyword: VGO

Steel Backplate, Rectangular

VR1
VR2



Intended Use

General illumination for rough service (vandal-resistant) applications. Ideal for applications that require adequate light capabilities for safety and security.

Features

Lens – VR1: White opal UV-stabilized polycarbonate, nominal thickness .125", softens light across entire surface. VR2: Clear prismatic UV-stabilized polycarbonate, nominal thickness .125". Smooth exterior for easy cleaning. Stainless steel tamper-resistant Torx® T20 screws or standard stainless steel slotted hex-head screws (two of each included).

Backplate – Heavy-duty, 16-gauge cold-rolled steel. White polyester powder coat for high reflectance, durability and corrosion resistance. Backplate insulated with 1" thick fiberglass. Closed-cell neoprene gasket seals out moisture and contaminants.

Ballast – Electromagnetic ballast is NPF with starting temperature of 0°F.

Socket – Fluorescent: thermoplastic socket. Incandescent: unglazed porcelain snap-in socket with aluminum screw shell. Spring-loaded steel clips hold socket tightly in place.

Lamps – 35K compact fluorescent lamp included unless L/LP is specified. Incandescent lamp not included.

Installation – Can be wall or ceiling mounted. Backplate suitable for outlet box mounting. For maximum vandal resistance, mount unit to structure through four knockouts provided.

Listings

UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations for wall mount or in covered ceiling applications.

Ordering Information

Example: **VR1 AL**

Series	
VR1	Opal lens
VR2	Clear prismatic lens

Lamp type[1]	
(blank)	Incandescent[2,3]
7TT	7W fluorescent twin-tube

Voltage[1]
120

Lens type	
(blank)	VR1: White opal VR2: Clear prismatic
HBE	Horizontal black eyelid
PBT	Perimeter black trim
VBE	Vertical black eyelid

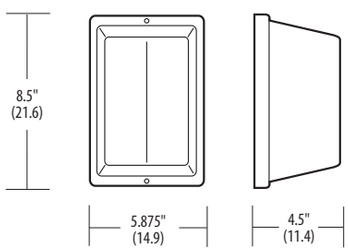
Options	
AL	Aluminum backplate
DC	Single DC bayonet base socket
EC	Emergency circuit (Incandescent, 25W max.)[4]
GLR	Internal fast-blow fusing[1]
GMF	Internal slow-blow fusing[1]
IHR	Internal horizontal reflector
IR	Internal reflector
NL	Night-light (Incandescent, 7W max.)[4]
XT	Low energy diode extended lamp life[5]
4S	Four screws per unit
CSA	CSA Certified

For other options and accessories, see below and pages 418-419.

Lamps[6]	
LPI	Lamp included (standard)
L/LP	Less lamp

NOTES:
1 Specify for compact fluorescent only.
2 Maximum wattage: vertical wall mount = 100W, horizontal wall mount = 60W, ceiling mount = 75W.
3 Lamp not included.
4 Maximum wattage lamp provided.
5 Available for Incandescent units only.
6 Fluorescent lamp included unless L/LP is specified.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.



Lamp/Fixture Data			
Wattage	Ballast	Weight lbs.	Lamp base
Incandescent			
100W	–	2.40	A19IF
Fluorescent			
7W	Electromagnetic, NPF	5.00	G23

Accessories	(Order separately)
RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.

For extension boxes and external visors, see page 418.

VR1B
VR2B



Intended Use

Decorative luminaire for general illumination of rough service (vandal-resistant) applications. Ideal for applications that require maximum light capabilities for safety and security.

Features

Lens – VR1B/BV/BH: White opal UV-stabilized, injection molded polycarbonate lens, nominal thickness .125". VR2B/BV/BH: Clear prismatic UV-stabilized, injection molded polycarbonate lens, nominal thickness .125".

Smooth exterior for easy maintenance and accented with high-strength Polane® polyurethane coating for hardness, adhesion and abrasion resistance. Lens is secured by two #8-32 stainless steel screws, either tamper-resistant Torx® T-20 or slotted hex-head (two of each included).

Housing – One-piece cast aluminum, finished in black polyester powder coat. One ½" opening allows rear conduit entry or covers the outlet box. Two mounting holes for wall mounting.

Gaskets – Perimeter housing gasket is one-piece, die-cut, closed-cell neoprene to seal out contaminants. Pad mounting gasket of closed-cell neoprene helps keep out moisture, insects and dust from housing.

Ballast – Electronic HPF multi-volt, starting temperature 0°F. Exception: 7TT is electromagnetic, NPF.

Sockets – Thermoplastic.

Lamps – 35K compact fluorescent lamp(s) included unless L/LP is specified.

Installation – Unit may be wall or ceiling mounted.

Listings

UL Listed to US and Canadian safety standards (see Options). UL listed for 25°C ambient and wet locations.

Ordering Information

Example: **VR1B 2/7TT 120 SCB LPI**

Series

Opal polycarbonate lens

VR1B Painted lens perimeter
VR1BV Vertical eyelid
VR1BH Horizontal eyelid

Clear Prismatic lens

VR2B Painted lens perimeter
VR2BV Vertical eyelid
VR2BH Horizontal eyelid

Lamp type

Twin-tube[1]

2/7TT

Double twin-tube

13DTT

Triple-tube

26TRT
32TRT

Voltage

120
277
347
MVOLT[2]

Options

EC Emergency circuit (Incandescent, 25W max.)[3,4]
GLR Internal fast-blow fusing[5]
GMF Internal slow-blow fusing[5]
NL Nightlight (Incandescent, 7W max.)[1,3,4]
PE Photoelectric cell[5]
SCB Surface conduit backbox[6]
CSA Listed and labeled to comply with Canadian standards.

For other options and accessories, see below and pages 418-419.

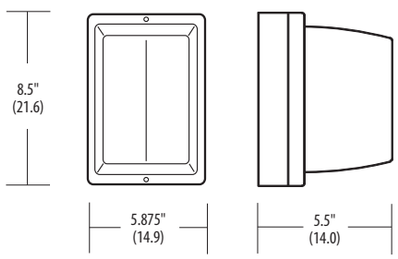
Lamp[7]

LPI Lamp included (standard)
L/LP Less lamp

NOTES:
1 120V only.
2 Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V and 277V.
3 Maximum wattage lamp provided.
4 Available for single lamp units only.
5 Must specify voltage. Not available with MVOLT.
6 Replaces standard backbox. UL listed for damp locations.
7 Lamp included unless L/LP is specified.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

VR1B

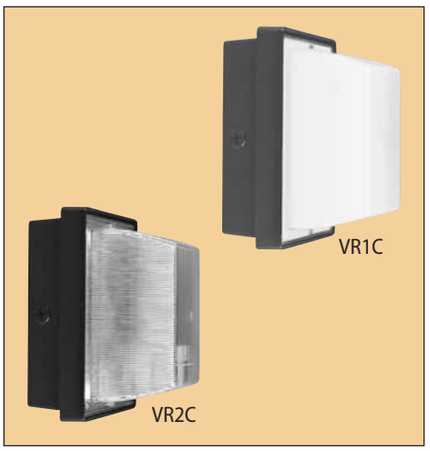


Accessories	(Order separately)
RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.
SCB	Surface conduit backbox, black

Lamp/Fixture Data			
Wattage	Ballast	Weight lbs.	Lamp base
Fluorescent			
7W	Electromagnetic, NPF	5.00	G23
13W	Electronic, HPF	9.80	G24q-1
26W	Electronic, HPF	9.80	G/GX24q-3
32W	Electronic, HPF	9.80	GX24q-3

Cast Housing, Rectangular

VR1C
VR2C



Intended Use

General illumination for rough service (vandal-resistant) applications. Ideal for applications that require maximum light capabilities for safety and security.

Features

Lens – VR1C: White opal polycarbonate, UV-stabilized, nominal thickness .125", softens light across entire surface. VR2C: Clear prismatic polycarbonate, UV-stabilized, nominal thickness .125". Smooth exterior for easy cleaning. Lens secured by either stainless steel tamper-resistant Torx® T-20 or standard stainless steel slotted hex-head screws (two of each included).

Housing – One-piece, die-cast aluminum, low copper alloy, finished in dark bronze polyester powder coat.

Ballast – Compact fluorescent: electronic, HPF multi-volt, starting temperature 0°F. Exception: 22DTT and 28DTT are electromagnetic, 120V only. HID: NPF for high pressure sodium and HPF for metal halide.

Socket – CFL: Thermoplastic. HID: medium-base porcelain with copper alloy, nickel-plated screw shell and center contact. UL listed 660W, 600V, 4KV pulse rated.

Lamps – 35K compact fluorescent lamp(s). MH: reduced-UV lamp is standard. Lamp included unless L/LP is specified.

Installation – Wall-mount only for HID. For maximum vandal resistance, use four hole mounting pattern.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL listed for 25°C ambient and wet locations for wall mount or in covered ceiling applications.

Ordering Information

Example: **VR2C 50M 120 IR LPI**

Series

VR1C	Opal lens
VR2C	Clear prismatic lens

Lamp type

Double twin-tube	High pressure sodium[1,3]
13DTT	**35S**
18DTT	**50S**
22DTT[1,2]	**70S**
26DTT	Metal halide[3]
28DTT[1,2]	**50M**
Triple-tube	
26TRT	
32TRT	
42TRT	

Lens type

(blank)	VR1C: White opal VR2C: Clear prismatic
HBE	Horizontal black eyelid
PBT	Perimeter black trim
VBE	Vertical black eyelid

Voltage

120
277
347
MVOLT[4]

Options

EC	Emergency circuit (Incandescent, 25W max.)[5]
GLR	Internal fast-blow fusing[6,7]
GMF	Internal slow-blow fusing[6,7]
IHR	Internal horizontal reflector[3]
IR	Internal reflector[3]
NL	Night-light (Incandescent, 7W max.)[1,5]
PE	Photocell[7]
SF	Single fuse (120, 277, 347)[8]
CSA	CSA Certified
NOM	NOM Certified[8]

For other options and accessories, see below and pages 418-419.

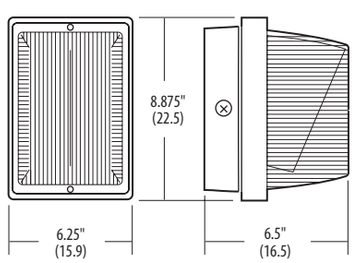
Lamp[9]

LPI	Lamp included (standard)
L/LP	Less lamp

NOTES:
1 120V only.
2 2-pin 15mm lamp.
3 Must specify IR or IHR on wall-mount HID units.
4 Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120 V and 277V.
5 Maximum wattage lamp provided.
6 Available for compact fluorescent units only.
7 Must specify voltage. Not available with MVOLT.
8 Available for HID units only.
9 Lamp(s) included unless L/LP is specified.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

VR2C



Lamp/Fixture Data

Wattage	Ballast	Weight lbs.	Lamp base
Fluorescent			
13W	Electronic, HPF	5.45	G24q-1
18W	Electronic, HPF	5.45	G24q-2
22W	Electromagnetic, HPF	5.60	GX32d-2
26W	Electronic, HPF	5.75	G/GX24q-3
28W	Electromagnetic, HPF	5.75	GX32d-3
32W	Electronic, HPF	5.75	GX24q-3
42W	Electronic, HPF	5.75	GX24q-4
High pressure sodium			
35W	R-NPF	5.75	medium
50W	R-NPF	5.90	medium
70W	R-NPF	6.20	medium
Metal halide			
50W	HX-HPF (120)	6.60	medium
50W	R-NPF (277)	6.60	medium

Accessories (Order separately)

RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.

For external visors, see page 418.

TWL

Intended Use

Use for entrances, stairwells, corridors, other pedestrian areas.

Features

Lens – Injection-molded, one-piece, UV-stabilized polycarbonate. Optical system is sealed and gasketed to inhibit entrance of outside contaminants. Standard finish is dark bronze (DDB) corrosion-resistant polyester enamel.

Housing – Normal power factor (NPF) backplate is heavy-gauge steel. High power factor (HPF) housing is heavy-duty cast aluminum, finished in dark bronze. Electrical components are mounted to backplate (NPF) or cast housing (HPF) for maximum heat-dissipation. External hardware is treated for corrosion resistance and includes slotted hex-head and tamperproof fasteners. Finish is dark bronze (DDB) corrosion-resistant polyester powder.

Ballast – 120V reactor normal (RNP) or high-power factor (RHP) or high-reactance, high power factor (XHP). 100% copper wound and factory tested. TRT ballasts are HPF electronic, UL listed.

Socket – HPS: Medium-base porcelain socket, vertically oriented with copper alloy nickel-plated screw shell and center contact. (UL listed 660W, 600V). Compact fluorescent socket is positve latching thermoplastic.

Installation – NPF unit mounts to standard J-box. Surface conduit mount requires extension collar accessory. HPF units may be mounted flush to wall or horizontally facing down. HPF units have ¾" threaded hub for wiring access. Closed-cell gasketing seals junction.

Listings

UL Listed (standard). CSA or NOM Certified (see Options). UL listed for wet locations. IP64 rated.



Ordering Information

Example: **TWL 50S 120 SF LPI**

Series			Voltage	Options	
High pressure sodium			**120**	Installed	
TWL	**35S**[1]		**208**[3,4]	**SF**	Single fuse (120V, 277V)[7]
TWL	**50S**		**240**[3,4]	**PE**	Photoelectric cell (button type)[7]
TWL	**70S**		**277**[3]	**LPI**	Lamp included as standard
Fluorescent			**347**[3]	**L/LP**	Less lamp
TWL	**7TT**[1]	(2-pin)	**TB**[3,5]	**RHP**	Reactor high power factor ballast (HPS and 120V only)
TWL	**9TT**[1]	(2-pin)	**MVOLT**[6]	**XHP**	High reactance high power factor ballast[8,9]
TWL	**13TT**[1]	(2-pin)		**CSA**	CSA Certified
TWL	**13DTT**[1]	(2-pin)		**NOM**	NOM Certified (consult factory)
TWL	**22DTT**[1]	(2-pin)		Architectural colors (optional)	
TWL	**26DTT**	(4-pin)		**DNA**	Natural aluminum
TWL	**28DTT**[1]	(2-pin)		**DBL**	Black
TWL	**26TRT**	(4-pin)		**DMB**	Medium bronze
TWL	**32TRT**	(4-pin)		**DWH**	White
TWL	**42TRT**	(4-pin)		**DSS**	Sandstone
Incandescent					
TWL	**I**[1,2]				

NOTES:
1 120V only.
2 A19 lamp (75W max, lamp not included).
3 Requires cast HPF back housing.
4 Consult factory for availability in Canada.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
6 Optional multi-volt electric ballast (for compact fluorescent) capable of operating on any line voltage from 120V-277V.
7 Not available with multi-tap ballast.
8 HPS only. Not available in 35S.
9 Available for 120V only. Standard for 208V, 240V, 277V, 347V, and TB.
10 Order TWAWG with TWLMB, EP or HPF.
11 120V NPF units only.

Lamp/Fixture Data

Wattage	Ballast	Lamp type	Base type
High pressure sodium (med/clear)			
35	RNP	E17	medium
35	RHP	E17	medium
50	RNP	E17	medium
50	RHP	E17	medium
50	XHP	E17	medium
70	RNP	E17	medium
70	RHP	E17	medium
70	XHP	E17	medium
Fluorescent (twin-tube)			
7	RNP	T4	G23
9	RNP	T4	G23
13	RNP	T4	GX23
Fluorescent (double twin-tube)			
13	RNP	T4	GX23
22	RNP	T4	GX32d-2
26	HPF	T4	G24q-3
28	RNP	T4	GX32d-3
Fluorescent (triple-tube)			
26	HPF	T4	G24q-3
32	HPF	T4	GX24q-3
42	HPF	T4	GX24q-4

Accessories (Order separately)

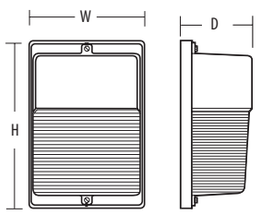
RK1 PEB1	Photoelectric control kit, 120V
RK1 PEB2	Photoelectric control kit, 208V, 240V, 277V
RK1 PEB3 CSA	Photoelectric control kit, 347V
RK1 PEB1 CSA	Photoelectric control kit, 120V
TWLMB	Cast aluminum mounting box
TWLWG	Wireguard[10]
TWLEP1	Extension collar 1 1/2" deep[11]
TWLEP2	Extension collar 2 1/8" deep[11]

For other options and accessories, see pages 418-419.

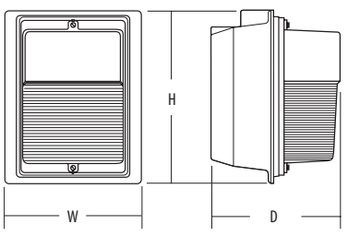
Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	TWL 120V NPF	*TWL HPF*
Height	10 1/2 (26.7)	10 3/4 (27.3)
Width	6 3/4 (17.2)	7 1/8 (18.1)
Depth	3 7/8 (9.8)	7 11/16 (19.5)
Weight	4 lbs (1.8 kg)	8 lbs (3.6 kg)

120V NPF



HPF (RNP, XHP)



www.lithonia.com, keyword: TWL

Steel Backplate, Square

VR3
VR4



Intended Use

General illumination for rough service (vandal-resistant) applications. Ideal for interior or exterior applications where safety and security are a concern.

Features

Lens – Clear prismatic, UV-stabilized polycarbonate, nominal thickness .125". Prism optics provide uniformity with maximum spacing-to-mounting height ratios. Torx® T-20 and standard stainless steel slotted hex-head screw (one each included).

Backplate – Heavy-duty, 16-gauge cold-rolled steel. White polyester powder coat for high reflectance, durability, and corrosion resistance. Closed-cell neoprene gasket seals out moisture and contaminants.

Ballast – VR3: electromagnetic, NPF, with starting temperature of 0°F for 7W and 25°F for 9W.

VR4: Class P, electronic, HPF multi-volt, THD<10%, starting temperature 0°F. Exceptions are 7TT, 9TT, 13TT, 22DTT, 28DTT. Electromagnetic, NPF, 120V only.

Socket – Compact fluorescent: thermoplastic socket. Incandescent: unglazed porcelain snap-in socket with aluminum screw shell. Spring-loaded steel clips hold socket tightly in place. VR3 provided with one socket and VR4 provided with two sockets. SM1 single socket option available.

Lamps – 35K compact fluorescent lamp(s) included unless L/LP is specified. Incandescent lamp(s) not included.

Installation: Keyhole slots simplify wall or ceiling installation. For maximum vandal resistance, use four-hole mounting pattern.

Listings

UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations for wall mount or in covered ceiling applications.

Ordering Information

Example: **VR4 26DTT MVOLT EC LPI**

Series

VR3	8 1/2" x 8 1/2"
VR4	12" x 12"

Lamp type

VR3: (blank)	*VR4:* Incandescent[1]
—	**2/60W**
75W[2]	**2/75W**[3]
100W[3]	**100W**[5]
150W[3, 4]	**150W**[3, 5]
Twin-tube[6]	
7TT	**7TT**
2/7TT	**2/7TT**
9TT	**9TT**
2/9TT	**2/9TT**
—	**13TT**
—	**2/13TT**

VR3:	*VR4:*
Double twin-tube	
—	**13DTT**
—	**2/13DTT**
—	**18DTT**
—	**2/18DTT**
—	**22DTT**[6,7]
—	**2/22DTT**[6,7]
—	**26DTT**
—	**2/26DTT**
—	**28DTT**[6,7]
—	**2/28DTT**[6,7]
Triple-tube	
—	**26TRT**
—	**2/26TRT**
—	**32TRT**
—	**42TRT**

Lens type

(blank)	Clear prismatic
WP	White polycarbonate

Voltage

120
277
347
MVOLT[8]

Options

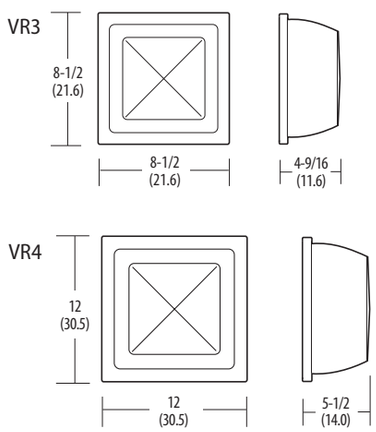
AL	Aluminum backplate
EC	Emergency circuit (Incandescent, 25W max.)[9]
DS	Dual switching
4S	Four screws per unit
GLR	Internal fast-blow fusing[10,11]
GMF	Internal slow-blow fusing[10,11]
IR	Internal reflector
NL	Night-light (Incandescent, 7W max.)[6,9]
SM1	Single medium-base incandescent socket[5]
XT	Low-energy diode extended lamp life[12]
CSA	CSA Certified

For other options and accessories, see below and pages 418-419.

Lamps[13]

LPI	Lamp(s) included (standard)
L/LP	Less lamp(s)

Dimensions are shown in **inches (centimeters)** unless otherwise noted.



Lamp/Fixture Data

Wattage	Ballast	Weight lbs.	Lamp base
Incandescent			
60W	–	5.80	A19IF
75W	–	5.50	A19IF
100W	–	5.50	A21IF
150W	–	5.50	A21IF
Fluorescent			
7W	Electromagnetic, NPF	5.00	G23
9W	Electromagnetic	5.80	G23
13W	Electromagnetic, NPF	5.45	GX23
13W	Electronic, HPF	5.45	G24q-1
18W	Electronic, HPF	5.60	G24q-2
22W	Electromagnetic, HPF	5.60	GX32d-2
26W	Electronic, HPF	4.65	G/GX24q-3
28W	Electromagnetic, HPF	5.75	GX32d-3
32W	Electronic, HPF	6.00	GX24q-3
42W	Electronic, HPF	6.25	GX24q-4

Accessories (Order separately)

RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.

For extension boxes and external visors, see page 418.

NOTES:
1 Leave lamp type information blank.
2 Maximum ceiling-mount wattage.
3 Wall-mount only.
4 Available for base-up wall mounting using an A21 lamp.
5 Single socket Incandescent on wall: order **SM1** option.
6 120V only.
7 2-pin 15mm lamp.
8 Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V and 277V.
9 Maximum wattage lamp provided.
10 Available for compact fluorescent units only.
11 Must specify voltage. Not available with MVOLT.
12 Available for Incandescent units only.
13 Compact fluorescent lamp(s) included unless L/LP is specified.

VR3C
VR4C
VR4CV



Intended Use

General illumination for rough service (vandal-resistant) applications. Ideal for areas that require higher levels of protection from physical assault, while providing proper illumination for safety or security.

Features

Lens – Clear prismatic polycarbonate, UV-stabilized, nominal thickness .125". Lens secured by stainless steel tamper-resistant Torx® T-20 or standard stainless steel slotted hex-head screws (four each included). One-piece silicone perimeter gasket seals out moisture and contaminants.

Reflector – VR3C, VR4C: horizontal reflector, ceiling-mount or wall-mount (with IR option). VR4CV: vertical reflector, ceiling-mount only.

Housing – One-piece, die-cast aluminum, low copper alloy, finished in dark bronze polyester powder coat.

Ballast – Fluorescent: electronic, HPF multi-volt, starting temperature 0°F. (7TT, 22DTT and 28DTT are electromagnetic, 120V only). HID: High reactance, HPF (35S is NPF. 175M is Constant-Wattage Autotransformer).

Socket – Fluorescent: horizontally mounted thermoplastic. HID: medium-base porcelain with copper alloy, nickel-plated screw shell and center contact. UL listed 660W, 600V, 4KV pulse rated.

Lamps – 35K 4-pin lamp(s) standard for compact fluorescent. MH: Reduced UV lamp is standard. Included unless L/LP is specified.

Installation – Three ½" threaded plugs for conduit entry or mount over outlet box. Four mounting holes for maximum vandal resistance.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL listed for 25°C ambient and wet locations for wall mount or in covered ceiling applications.

Ordering Information

Example: **VR3C 32TRT 120 NL LPI**

Series

VR3C	8½" x 8½"
VR4C	12" x 12"
VR4CV	12" x 12"

Lamp type

VR3C:	*VR4C:*	*VR3C:*	*VR4C:*	*VR4CV:*
Twin-tube[1]		Triple-tube		
2/7TT	**2/7TT**	**26TRT**	**26TRT**	—
2/9TT	**2/9TT**	**2/26TRT**	**2/26TRT**	—
—	**13TT**	**32TRT**	**32TRT**	—
—	**2/13TT**	—	**2/32TRT**	—
Double twin-tube		**42TRT**	**42TRT**	—
13DTT	**13DTT**	—	**2/42TRT**	—
2/13DTT	**2/13DTT**	High pressure sodium		
18DTT	**18DTT**	**35S**[1]	**35S**[1]	**35S**[1]
2/18DTT	**2/18DTT**	**50S**	**50S**	**50S**
22DTT[1,2]	**22DTT**[1,2]	**70S**	**70S**	**70S**
2/22DTT[1,2]	**2/22DTT**[1,2]	**100S**	**100S**	**100S**
26DTT	**26DTT**	—	—	**150S**
2/26DTT	**2/26DTT**	Metal halide		
28DTT[1,2]	**28DTT**[1,2]	**50M**	**50M**[3]	**50M**[3]
—	**2/28DTT**[1,2]	**70M**	**70M**[3]	**70M**[3]
		100M	**100M**	**100M**
		—	—	**150M**[3]
		—	—	**175M**

Voltage

120	
208[4]	
240[4]	
277	
347	
480[4]	
TB[4,5]	
MVOLT[6,7]	

Options

ADEZ	Advance Mark X electronic dimming ballast[6,8,9]
DMHL	Lutron Hi-lume electronic dimming ballast[6,8,9,10]
SF	Single fuse (120, 277, 347V)[4,8]
DF	Double fuse (208, 240, 480V)[4,8]
DS	Dual switching[11]
2/1	Two 1-lamp ballasts
QRS	Quartz restrike system[3,4,12]
EC	Emergency circuit (Incandescent, 25W max)[12]
NL	Night-light (Incandescent, 7W max.)[1,12]
PE	Photocell[8]
IR	Internal reflector[13]
GLR	Internal fast-blow fusing[6,8]
GMF	Internal slow-blow fusing[6,8]
CSA	CSA Certified
NOM	NOM Certified[4]

For other options and accessories, see below and pages 418-419.

Lamps[14]

LPI	Lamp(s) included (standard)
L/LP	Less lamp(s)

Lamp/Fixture Data

Wattage	Ballast	Weight lbs.	Lamp base
Fluorescent			
13W	Electromagnetic, NPF	8.50	GX23
18W	Electronic, HPF	8.50	G24q-2
22W	Electromagnetic, HPF	9.00	GX32d-2
26W	Electronic, HPF	8.50	G/GX24q-3
28W	Electromagnetic, HPF	9.30	GX32d-3
32W	Electronic, HPF	8.50	GX24q-3
42W	Electronic, HPF	8.55	GX24q-4
High pressure sodium			
35W	R-HPF	13.65	medium
50W	HX-HPF	16.30	medium
70W	HX-HPF	12.80	medium
100W	HX-HPF	14.60	medium
150W	HX-HPF	11.45	medium
Metal halide			
50W	HX-HPF	11.40	medium
70W	HX-HPF	12.80	medium
100W	HX-HPF	14.95	medium
150W	HX-HPF	15.85	medium
175W	CWA	15.40	mogul

NOTES:
1. 120V only.
2. 2-pin 15mm lamp.
3. Not available in 480V.
4. Available for HID units only.
5. Multi-tap ballast. US: 120V, 208V, 240V, 277V. Canada: 120V/347V.
6. Available for compact fluorescent units only.
7. Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V and 277V.
8. Must specify voltage. Not available with MVOLT or TB.
9. Available with 26DTT and all single TRT lamps; excludes 42TRT.
10. Available with 2/26TRT - VR4C only.
11. Cannot be ordered with EC or PE options.
12. Maximum wattage lamp provided.
13. HID wall-mounted units require IR option.
14. Lamp(s) included unless L/LP is specified.

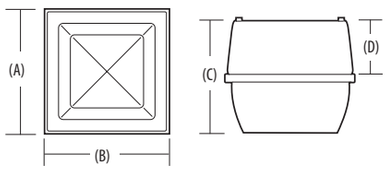
www.lithonia.com, keywords: VR3C and VR4C

Accessories	(Order separately)
RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.

For external visors, see page 418.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	VR3C	*VR4C/VR4CV*
A. Height:	$8\frac{15}{16}$(22.7)	12(30.5)
B. Width:	$8\frac{15}{16}$(22.7)	12(30.5)
C. Overall depth:	8 (20.3)	$9\frac{1}{2}$ (24.1)
D. Housing depth:	$3\frac{3}{4}$(9.5)	4(10.2)



Cast Housing, Square

VR4C
VR4CV

Induction Lighting System



Intended Use

For areas that require higher levels of illumination and where maintenance is an issue (tunnels, airports, public facilities, freezers). Provides extreme long life for rough service and special environment applications.

Features

Lens – Clear prismatic polycarbonate, UV-stabilized, nominal thickness .125". Lens secured by standard stainless steel slotted hex-head screws (four each included). One-piece silicone perimeter gasket seals out moisture and contaminants.

Reflector – Horizontal reflector used with VR4C Icetron system; vertical reflector used with VR4CV QL system.

Housing – One-piece, die-cast aluminum, low copper alloy, finished in white polyester powder coat. Closed-cell neoprene gasket seals against mounting surface for L/JB option. Provided with mounting brackets for four-point mounting. Weatherproof junction box and cover provided as standard for surface conduit wiring.

Lamps – Discharge vessel included and installed. Icetron lamp is 35K; QL lamp is 30K.

Installation – Ceiling-mount only. Mounting brackets and junction box allow fixture to be installed without ever opening. For outlet box installation, see L/JB option. Wire leads will be routed out the rear conduit opening.

Listings

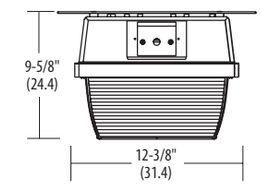
UL Listed to US and Canadian safety standards (see Options). UL listed for 25°C ambient and wet locations.

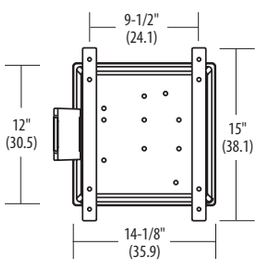
Ordering Information

Example: **VR4CV 85IL TVOLT LPI**

Series	Lamp type	Voltage	Options	Lamps[6]
VR4C 12" x 12"	**70IL** 70W ICETRON® induction lighting system[1] **100IL** 100W ICETRON® induction lighting system[1]	**MVOLT**[2]	**EC** Emergency circuit (Incandescent, 25W max.)[5] **L/JB** Less junction box **CSA** Listed and labeled to comply with Canadian Standards. **TRS** Tamper-resistant screws	**LPI** Lamp included
VR4CV 12" x 12"	**55IL** 55W QL induction lighting system **85IL** 85W QL induction lighting system	**120** **240** **TVOLT**[3,4]	For other options and accessories, see below and pages 418-419.	

Dimensions are shown in **inches (centimeters)** unless otherwise noted.





Induction Lighting:

High Frequency Generator/Ballast – Supplies high-frequency current to the lamp to initiate and maintain a gas discharge for a rated 100,000 hours of life. The current travels through coils on the lamp (in the ICETRON® system) or through coils on the Power Coupler (in the QL system) to create the magnetic (inductive) field. Suitablefor ambient temperatures ranging from -40°C to 25°C.

Discharge Vessel/Lamp – Glass bulb that contains a mixture of low-pressure mercury vapor and inert buffer gas. The wall of the lamp is coated with a fluorescent powder that produces light at 3000°K (QL system) or 3500°K (ICETRON® system) and an 80+ CRI.

Accessories	(Order separately)
RK1 T20BIT	Torx TX20 hex-base driver bit for TRS option.
RK1 T20DRV	Torx TX20 screwdriver for TRS option.

NOTES:
1 ICETRON is a registered trademark of OSRAM SYLVANIA.
2 Multi-volt electronic ballast capable of operating on any line voltage between 120V and 277V.
3 Tri-volt electronic ballast capable of operating on any line voltage between 200V and 277V.
4 Available with 85IL only.
5 Maximum wattage lamp included.
6 Lamp included and installed.

www.lithonia.com, keyword: VR4CV-IL

VRR

Intended Use

General illumination for rough service (vandal-resistant) applications. Ideal for interior or exterior applications where safety and security are a concern.

Features

Lens – UV-stabilized drop dish is clear, prismatic polycarbonate, nominal thickness .125 inch.

Housing – 16-gauge cold-rolled steel finished in white polyester powder coat.

Door – 16-gauge cold-rolled steel door secured by stainless steel tamper-resistant Torx® T-20 or standard stainless steel slotted hex-head screws (four of each included). Finish is white polyester powder coat.

Ballast – Fluorescent: Class P, electronic, HPF multi-volt. THD <10%. Start temperature 0°F. (22DTT, 28DTT are electromagnetic, 120V only). HID: High reactance, HPF (175M is constant wattage autotransformer. 35S is NPF).

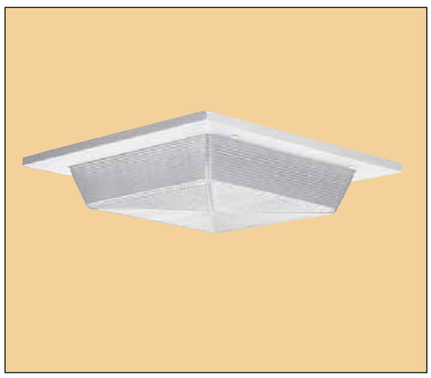
Socket – Fluorescent: horizontally mounted thermoplastic. HID: medium-base porcelain with copper alloy, nickel-plated screw shell and center contact. UL listed 660W, 600V, 4KV pulse rated. 175W metal halide is mogul-base.

Lamps – 35K lamp(s) included for compact fluorescent. Metal halide standard with reduced-UV lamp (except 175M). Included unless L/LP is specified.

Installation – Separate yoke mounting frame provided with brackets for use with C-channel bar hangers, which are not included.

Listings

UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and damp locations (wet locations in covered ceiling applications only).



Ordering Information

Example: **VRR 70S 120 SF LPI**

Series

VRR

Lamp type

Incandescent[1]	High pressure sodium
(Leave blank)	**35S**
Twin-tube	**50S**
2/13TT	**70S**
Double twin-tube	**100S**
2/18DTT	**150S**
2/22DTT[1,2]	Metal halide
2/26DTT	**50M**[3]
2/28DTT[1,2]	**70M**[3]
Triple-tube	**100M**
26TRT	**150M**[3]
2/26TRT	**175M**
32TRT	
2/32TRT	
42TRT	
2/42TRT	

Lens type

(blank)	Clear prismatic
WP	White polycarbonate
DHL	Drop Holophane® glass[4]

Voltage

120
208[5]
240[5]
277
347
480[5]
MVOLT[6,7]

Options

ADEZ	Advance Mark X electronic dimming ballast[8,9]
DMHL	Lutron Hi-lume electronic dimming ballast[8,9,10]
ALDF	Aluminum doorframe for DHL lens option
SF	Single fuse (120, 277, 347V)[5,8]
DF	Double fuse (208, 240, 480V)[5,8]
QRS	Quartz restrike system[3,5,11]
EC	Emergency circuit (Incandescent, 25W max.)[11]
NL	Night-light (Incandescent, 7W max.)[1,11]
GLR	Internal fast-blow fusing[7,8]
GMF	Internal slow-blow fusing[7,8]
WL	Wet location
XT	Low-energy diode, extended lamp life[12]
CSA	CSA Certified

For other options and accessories, see below and pages 418-419.

Lamps[13]

LPI	Lamp(s) included (standard)
L/LP	Less lamp(s)

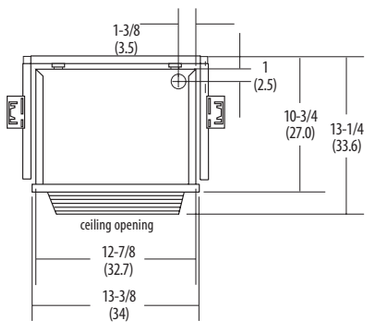
Lamp/Fixture Data

Wattage	Ballast	Weight lbs.	Lamp base
Incandescent			
150W	–	23.70	A21IF
Fluorescent			
9W	Electromagnetic, NPF	23.30	G23
13W	Electromagnetic, NPF	27.10	GX23
13W	Electronic, HPF	27.10	G24q-1
18W	Electronic, HPF	27.10	G24q-2
22W	Electromagnetic, HPF	25.35	GX32d-2
26W	Electronic, HPF	25.35	G24q-3
28W	Electromagnetic, HPF	25.35	GX32d-3
32W	Electronic, HPF	25.35	GX24q-3
42W	Electronic, HPF	25.35	GX24q-4
High pressure sodium			
35W	R-HPF	26.00	medium
50W	HX-HPF	28.95	medium
70W	HX-HPF	27.88	medium
100W	HX-HPF	26.88	medium
150W	HX-HPF	32.50	medium
Metal halide			
50W	HX-HPF	28.35	medium
70W	HX-HPF	30.75	medium
100W	HX-HPF	30.75	medium
150W	HX-HPF	30.75	medium
175W	CWA	31.38	mogul

Accessories (Order separately)

RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.
PF	Plaster frame. Provides a clean edge for ceiling openings.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.



NOTES:
1 120V only.
2 Two-pin 15mm lamp.
3 Not available with 480V.
4 Requires ALDF option.
5 Available for HID units only.
6 Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating any line voltage 120V to 277V.
7 Available for compact fluorescent units only.
8 Must specify voltage. Not available with MVOLT or TB.
9 Available with 26DTT and all single TRT lamps; excludes 42TRT.
10 Available with 2/26DTT and 2/26TRT.
11 Maximum wattage lamp provided.
12 Available for Incandescent units only.
13 Lamp(s) included unless L/LP is specified.

www.lithonia.com, keyword: VRR

VDC
VDS



Intended Use

General illumination for rough service (vandal resistant) applications. Designed for indoor and outdoor applications like corridors, walkways, pedestrian tunnels, canopies, and drive-through areas.

Features

Housing – Heavy-duty, 16-gauge, cold-rolled steel, one-piece housing for corner-mounted (VDC) or surface-mounted (VDS) applications. Housing and reinforcing members welded together for strength. Optional stainless steel or aluminum housings available.

Finish – All metal parts are post-painted in white polyester powder coat for smooth, finished edges and corrosion resistance.

Lens – Clear, internally frosted, UV-stabilized, injection-molded polycarbonate lens standard. Smooth exterior for easy maintenance. Lens gasketed against moisture and contaminants and secured to housing with six stainless steel Torx® T-20 tamper-resistant screws (included).

Ballast Cover – Ballast and lampholders are secured to channel cover to provide easy installation and maintenance. Channel-cover safety chains included.

Ballast – Class P, high power factor ballast is UL listed. Ballast for 32W is standard GEB10IS with a 0°F starting temperature.

Listings

UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and damp locations (wet locations in covered ceiling applications only).

Ordering Information

Example: **VDC 2 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Lens type	Voltage	Options
VDC Corner-mount	**1**	**32** 32W T8 (48")	(blank) Clear polycarbonate	**347**	**AL** Aluminum housing,white
VDS Surface-mount	**2**	**48HO** 60W 800mA(48")	**PCLW** White polycarbonate	**MVOLT**	**CW** Cold-weather ballast[1,2]
	Not included.				**CW20** Cold-weather ballast, -20ºF starting[3,4]
					ELDW Emergency lighting (300 lumens)[5,6]
					EL5DW Emergency lighting (500 lumens)[6,7]
					EL6DW Emergency lighting (600 lumens)[6,7]
					EL14DW Emergency lighting (1400 lumen)[7]
					GEB10IS Electronic ballast, instant start
					GEB10RS Electronic ballast, rapid start
					GLR Internal fast-blow fusing[8]
					RIF1 Radio interference filter, one per fixture
					STS Stainless steel housing, natural
					SSTW Stainless steel housing, white
					WL Wet location (covered ceiling only)[1]
					CSA CSA Certified

For other options, see page 419.

NOTES:
1 Not available with EL or CEL option.
2 Not recommended for use in ambient temperatures exceeding 40ºF.
3 Not available with 48HO 347V.
4 Must be specified with 48HO for cold weather.
5 Will default to 300 or 600 lumens depending on lamp type (32 and 40-300, 48 and 48HO-600).
6 Luminaires ordered with DW option (Example: EL5DW) will bear UL emergency lighting equipment label for damp or wet locations, depending on fixture.
7 Not available with 48HO.
8 Specify voltage.

Availability and Dimensions

Series	Lamps per fixture	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
VDC	1, 2	32, 48HO	7 1/2" (19.1)	6 1/8" (15.5)	50 1/16" (127.2)
VDS	1, 2	32, 48HO	7 9/16" (19.2)	4 1/2" (11.5)	50 9/16" (128.5)

Accessories (Order separately)

RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.

VSL
VSLC

Intended Use

For areas that require higher levels of protection from physical assault or environmental elements, while providing proper illumination for safety and security.

Features

Housing – Heavy-duty, 16-gauge, cold-rolled steel, one-piece housing for durability and security.

Ballast Cover – Ballast and lampholders are installed to wireway cover to provide easy installation and service. Wireway cover safety chains included.

Socket – Medium bi-pin, highly heat resistant, with internal locking collar for positive lamp retention and resistance to impact and vibration.

Finish – Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

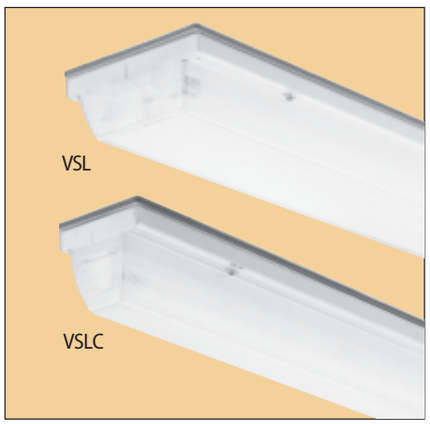
Lens – Clear prismatic, injection-molded and UV-stabilized polycarbonate lens (.130" thick) that completely encloses face and all sides of housing. No exposed metal surfaces. Optional lens (SCE) features easily removable molded-in lens membrane centered over end plate knockouts for surface conduit and wiring access. Includes gaskets (one pair, not installed). Lens is secured to housing with tamper-resistant Torx® T-20 screws with center reject pin (included).

Gasket – One-piece, closed cell neoprene pad mounting gasket is factory installed to help seal against moisture, dust and insects.

Ballast – GEB10IS ballast for T8 lamps is electronic with 0°F starting temperature.

Listings

UL Listed to US and Canadian safety standards. CSA Certified (see Options). UL Listed for 25°C ambient and wet locations in covered ceiling applications.



Ordering Information

Example: **VSL 2 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Lens type	Voltage	Options
VSL $9^1/_4$" wide	**2** **3** [1,2] Not included.	**17** 17W T8 (24") **32** 32W T8 (48")[3]	(blank) Solid-end lens **SCE** Surface conduit entry lens[3]	**347** **MVOLT**	**DL** Damp location **ELDW** Emergency battery pack (300 lumens)[2,4] **GEB10IS** Instant start electronic ballast **GEB10RS** Rapid start electronic ballast **GLR** Internal fast-blow fusing[5] **RIF1** Radio interference filter, one per fixture **CSA** Listed and labeled to comply with Canadian Standards
VSLC $5^3/_8$" wide	**1**	**17** 17W T8 (24") **32** 32W T8 (48")			

For other options, see page 419.

NOTES:
1 3-lamp model available in 32W T8 only.
2 Available in 4-foot fixtures only.
3 Provided with one pair of surface conduit gaskets.
4 Luminaires ordered with **ELDW** option (Example: **EL5DW**) will bear UL emergency lighting equipment label for damp or wet location, depending on fixture.
5 Specify voltage.

Availability and Dimensions

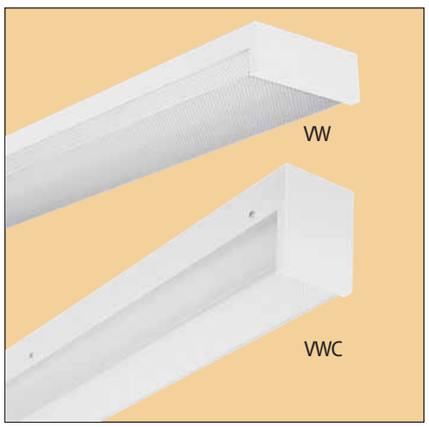
Series	Lamps per fixture	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
VSL	2	17	$9^1/_4$" (23.5)	$3^3/_8$" (8.6)	$25^5/_8$" (64.5)
		32	$9^1/_4$" (23.5)	$3^3/_8$" (8.6)	$49^3/_8$" (125.4)
	3	32	$9^1/_4$" (23.5)	$3^3/_8$" (8.6)	$49^3/_8$" (125.4)
VSLC	1	17	$5^3/_8$" (13.7)	$4^1/_2$" (11.4)	$25^3/_4$" (65.4)
		32	$5^3/_8$" (13.7)	$4^1/_2$" (11.4)	$49^3/_4$" (126.4)

Accessories (Order separately)

RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.
SCG	Surface conduit gasket (one pair, not installed)

Wraparounds/Corridor Wraparounds

VW
VWC



Intended Use

General illumination for rough service (vandal resistant) applications. Designed for use in corridors, entryways, meeting rooms, classrooms, locker rooms and more.

Features

Housing – One-piece, 16-gauge cold-rolled steel housing is die-formed and welded together with reinforcing members for strength. Aluminum and white stainless steel housings available (see Options).

Finish – All metal parts are post-painted in white polyester powder coat for smooth, finished edges and corrosion resistance.

Lens – UV-stabilized polycarbonate lens is extruded A12 prismatic pattern with internal linear side prisms, .130" thick polycarbonate (standard). Secured to housing with stainless steel Torx® T-20 tamper-resistant screws (included).

Ballast Cover – Ballast and lampholders are secured to channel cover or to channel to provide easy installation and service.

Socket – Medium bi-pin, highly heat resistant, with internal locking collar for positive lamp retention and resistance to impact and vibration.

Ballast – Ballast for T8 lamps is electronic with 0°F starting temperature.

Listings

UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and damp locations.

Ordering Information

Example: **VW 2 32 MVOLT GEB10IS**

Series	
VW	2 or 3 lamps in $8^3/_8$" housing or 4 lamps in $13^1/_4$" housing
2VW	2 lamps in $13^1/_4$" housing
VWC	$4^1/_2$" housing

Number of lamps
1
2
3
4

Lamp type	
17	17W T8 (24")
32	32W T8 (48")

Lens type	
(blank)	Polycarbonate, .130" thick
ACR	High-impact acrylic, 50% DR
PCL156	Polycarbonate, .156" thick

Voltage
347
MVOLT

Options	
AL	Aluminum housing
ELDW	Emergency lighting (300 lumens)[1]
GEB10IS	Electronic ballast, instant start
GEB10RS	Electronic ballast, rapid start
GLR	Internal fast-blow fusing[2]
RIF1	Radio interference filter, one per fixture
STSW	Stainless steel housing, white
CSA	CSA Certified

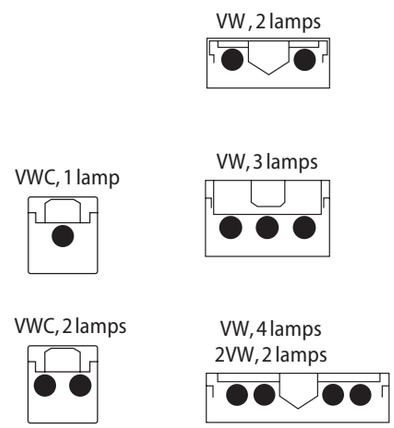
For other options, see page 419.

NOTES:

1 Luminaires ordered with ELDW option (Example EL5DW) will bear the UL Emergency Lighting Equipment label for damp or wet locations, depending on the fixture.

2 Specify voltage.

Accessories	(Order separately)
RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.



Availability and Dimensions

Series	Lamps per fixture	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
VW	2	32	$8^3/_8$ (21.3)	$3^1/_4$ (8.3)	49 (124.5)
	3	32	$8^3/_8$ (21.3)	5 (12.7)	49 (124.5)
	4	32	$13^1/_4$ (33.7)	$3^3/_8$ (8.6)	49 (124.5)
2VW	2	32	$13^1/_4$ (33.7)	$3^3/_8$ (8.6)	49 (124.5)
VWC	1,2	17	$4^1/_2$ (10.8)	$5^1/_4$ (13.3)	$25^3/_8$ (64.5)
		32	$4^1/_2$ (10.8)	$5^1/_4$ (13.3)	$49^3/_8$ (125.4)

VRI

Intended Use

General illumination for rough service (vandal resistant) applications. Ideal for tunnels, canopies, shipping docks, refrigerated areas, food processing, or any non-hazardous environment that requires a wet location listing.

Features

Housing – Impact-resistant, UV-resistant, fiberglass-reinforced polyester housing with cold rolled steel enclosed wireway.

Lens – High-impact acrylic diffuser standard. Secured to fully-gasketed housing by captive, tamper-resistant cam-action latches.

For non-tamper-resistant fixture, see DMW fluorescent industrial, page 91.

Latches – Six tamper-resistant latches per 4' unit, ten per 8' unit.

Finish – Painted parts finished with high-gloss, baked white enamel. Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance .

Installation – Suitable for surface, chain or stem mounting.

Ballast – Thermally-protected, Class P, High Power Factor electronic ballast standard.

Listings

UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations covered ceiling installations.



Ordering Information

Example: **VRI 2 32 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Lens type[2]	Voltage	Options
VRI	**1**	**32** 32W T8 (48")	(blank) High-impact acrylic, 50% DR	**347**	**GEB10IS** T8 electronic ballast, instant start
For tandem double length unit, add prefix **T**. Example: **TVRI**	**2**	**48** 38W Slimline (48")	**DP** High-impact deep acrylic, 50% DR[2]	**MVOLT**	**GEB10RS** T8 electronic ballast, rapid start
	3[1]	**48HO** 60W 800 mA (48")	**PCL** Polycarbonate[3]		**CSA** CSA Certified
	Not included.	**96HO** 110W 800mA (96")			For other options and accessories, see below and pages 113 and 419.
		96T8 59W T8 Slimline (96")			
		96T8HO 86W T8 380mA (96")			

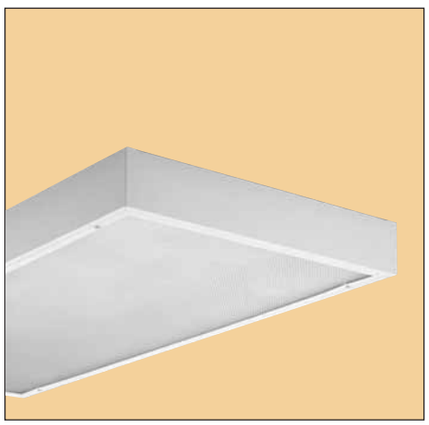
NOTES:
1 32WT8 only.
2 Deep lens is standard on 4' slimline, HO (800mA) and 8' fixtures. To match appearance on 4' rapid start, order DP option.
3 Standard depth lens provided.

Accessories	(Order separately)
RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.

Availability and Dimensions

Series	Lamps per cross section	Lamps per fixture	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
VRI	1, 2, 3[1]	1, 2, 3	32	7 5/8 (19.4)	4 3/4 (12.1)	50 (127.0)
VRI (ARDP option)	1, 2, 3[1]	1, 2, 3	32	7 5/8 (19.4)	5 5/8 (14.3)	50 (127.0)
TVRI	1, 2	2, 4	32, 48, 48H0	7 5/8 (19.4)	5 5/8 (14.3)	98 (248.9)
VRI	1,2	1,2	96H0 96T8, 96T8H0	7 5/8 (19.4)	5 5/8 (14.3)	98 (248.9)

VRS



Intended Use

General illumination for rough service (vandal resistant) applications. Ideal for areas where safety and security are a concern.

Features

Housing – Clean design includes overlap mitered housing and door frame corners. Formed from cold-rolled steel. Housing corners spot welded for strength.

Door – Flush steel door frame secured by four stainless steel tamper-resistant Torx® T-20 with center pin screws, two per side. Three tamper-resistant screws per side available. (Specify TP6 option).

Finish – Painted parts finished with high gloss, baked white enamel. Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance.

Lens – Variety of shielding available including VL, durable .250" polycarbonate sheet laminated to .125" A12 pattern acrylic overlay. Impact-resistant acrylic or prismatic polycarbonate also available.

Ballast – Thermally-protected, resetting, Class P, HPF, non-PCB, UL listed, CSA-certified ballast is standard.

Listings

UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and damp locations.

Ordering Information

Example: **VRS 2 32 AR12 MVOLT GEB10IS**

Series	Number of lamps	Lamp type	Lens type	Voltage	Options
VRS 1' wide	**1**	**17** 17W T8 (24")	**AR12** #12 pattern, high-impact acrylic, .140" thick	**347**	**GEB10IS** Electronic ballast, instant start
2VRS 2' wide	**2**	**U31** 31W T8-U (1 5/8" leg)	**VL** Polycarbonate lens laminated to #12 pattern acrylic overlay, .375" thick	**MVOLT**	**GEB10RS** Electronic ballast, rapid start
	3	**U316** 31W T8-U (6" leg)[1]			**CSA** CSA Certified
	4	**32** 32W T8 (48")			
	6				

For other options and accessories, see below and page 112 and 419.

NOTES:
1 Not available on 3-lamp fixtures. Use U31.

Accessories	(Order separately)
RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.

Availability and Dimensions

Nominal Size	Series	Number of lamps	Lamp type	Width in. (cm)	Depth in. (cm)	Length in. (cm)
1x4	VRS	1, 2, 3	32	12(30.5)	3 3/4 (9.5)	48(121.9)
	2VRS	2, 3	17, U31, U316	24(61.0)	3 3/4 (9.5)	24(61.0)
2x2	2VRS	1, 2		24(61.0)	3 3/4 (9.5)	24(61.0)
2x4	2VRS	2, 3, 4, 6	32	24(61.0)	3 3/4 (9.5)	48(121.9)

VRT



Intended Use

General illumination for rough service (vandal resistant) applications. Ideal for areas that require higher levels of protection from physical assault, while providing proper illumination for safety or security.

Features

Housing – Steel door frame features overlap mitered corners. Formed from cold-rolled steel and secured by stainless steel tamper-resistant Torx® T-20 screws, two per side standard (four included). Three per side available; specify TP6 option. No asbestos is used in this product. Ceiling trims available to fit most recessed applications.

Finish – Painted parts finished with high-gloss, baked white enamel. Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance.

Lens – Variety of shielding available including VL, durable .250" polycarbonate sheet laminated to .125" A12 pattern acrylic overlay. Impact-resistant acrylic or prismatic polycarbonate also available.

Ballast – Thermally-protected, resetting, Class P, HPF, non-PCB, UL listed, CSA-certified ballast is standard.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL listed for 25°C ambient and damp locations. Wet location (WL) option available.

For non-tamper-resistant, standard wet location fixture, see WRT fluorescent troffer, page 95.

Ordering Information

Example: **2VRT G 4 32 AR12 347 GEB**

Series

VRT	1' wide
2VRT	2' wide

Trim type[1]

G	Lay-in grid
F	Overlapping flange
MT	Modular fit-in

Number of lamps

1
2
3
4
6

Not included.

Lamp type

17	17W T8 (24")
20	20W T12 (24")
U31	31W T8-U (24")
U316	31W T8-U (6" leg)[2]
32	32W T8 (48")
40	40W T12 (48")
U40	40W T12-U (6" leg)[2]
U403	40W T12-U ($3^5/_8$" leg)
CF40	40W T5 lamp (24")

Diffuser type

AR12	#12 pattern, high impact acrylic, .140" thick
ARF12	#12 pattern, high impact acrylic with RF grid, .140"
PCL12187	#12 pattern polycarbonate, .187"
VL	.250" clear polycarbonate lens laminated to A12 pattern acrylic overlay, .125" acrylic

Voltage

120
277
347,
MVOLT*

* Electronic ballast, 120-277V only. Must specify GEB10IS.

Options

CSA	CSA Certified
NOM	NOM Certified

For other options and accessories, see below and pages 106, 109 and 419.

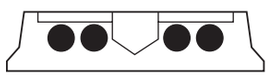
NOTES:
1 Consult factory for screw slot and ST trim.
2 Not available on 3-lamp fixtures. Use U31 or U403.

Accessories (Order separately)

RK1 T20BIT	Torx TX20 hex-base driver bit for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for tamper-resistant screws with center reject pin.

Availability and Dimensions

Nominal size	Series	Number of lamps	Lamp type	Depth in. (cm)
1x4	VRT	1, 2, 3	32, 40	$4^7/_8$ (12.4)
	2VRT	2	17,20,U31,U40,U316,CF40	$4^1/_4$ (10.8)
	2VRT	3	17, 20	$4^1/_4$ (10.8)
2x2	2VRT	3	U31, U403, CF40	7 (17.8)
	2VRT	4	17, 20	$4^1/_4$ (10.8)
	2VRT	4	CF40	$4^{15}/_{16}$ (12.5)
2x4	2VRT	2, 3, 4, 6	32, 40	$4^1/_2$ (11.4)



Accessories Shipped Separately

Extension Boxes - White

For surface conduit application. Not UL listed for wet locations.

EB1 U OS *Steel.* Use with VR1 or VR2.
EB3 *Steel.* Use with VR3.
EB4 *Steel.* Use with VR4.
EB1 AL *Aluminum.* Use with VR1 or VR2.
EB3 AL *Aluminum.* Use with VR3.
EB4 AL *Aluminum.* Use with VR4.
EBC *Cast Aluminum.* Use with VR1 or VR2.

Extension Boxes with Convenience Outlet - White

For surface conduit application. Outlet is 15A, 125V for easy access to electrical supply. Not for outdoor use. Not UL listed for wet locations.

EB1 CO *Steel.* Use with VR1 or VR2.
EB3 CO *Steel.* Use with VR3.
EB4 CO *Steel.* Use with VR4.
EB1 CO AL *Aluminum.* Use with VR1 or VR2.
EB3 CO AL *Aluminum.* Use with VR3.
EB4 CO AL *Aluminum.* Use with VR4.

Extension Boxes with Toggle Switch - White

For surface conduit application. Toggle switch is 15A, 125V for easy access to electrical supply. Not for outdoor use. Not UL Listed for wet locations.

EB1 TS1 *Steel.* Use with VR1 or VR2.
EB3 TS1 *Steel.* Use with VR3.
EB4 TS1 *Steel.* Use with VR4.
EB1 TS1 AL *Aluminum.* Use with VR1 or VR2.
EB3 TS1 AL *Aluminum.* Use with VR3.
EB4 TS1 AL *Aluminum.* Use with VR4.

Extension Boxes with Photoelectric Cells - White

For surface conduit application. Photoelectric cell is button type, 120V or 277V. Not for outdoor use. Not UL Listed for wet locations.

EBC PEB1 *Cast Aluminum DNA silver; 120V* Use with VR1 or VR2.
EB3 PEB1 *Steel;* 120V. Use with VR3.
EB3 PEB1 AL *Aluminum;* 120V. Use with VR3.
EB4 PEB1 *Steel;* 120V. Use with VR4.
EB4 PEB1 AL *Aluminum;* 120V. Use with VR4.
EB4 PEB2 *Steel;* 277V. Use with VR4.
EB4 PEB2 AL *Aluminum;* 277V. Use with VR4.

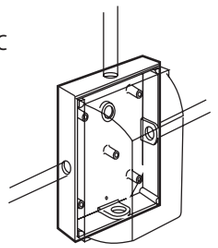
External Visors - Dark Bronze

FHV *Steel Horizontal External Visor.* Use with VR1 or VR2 series 2 screw units only. Shields up and side illumination.
FHV AL *Aluminum Horizontal External Visor.* Use with VR1 or VR2 series 2 screw units only. Shields up and side illumination.
FHVC *Steel Horizontal External Visor.* Use with VR2C series 2 screw units only. Shields up and side illumination.
FHVC AL *Aluminum Horizontal External Visor.* Use with VR2C series 2 screw units only. Shields up and side illumination.
FV1 *Steel Vertical External Visor.* Use with VR1 or VR2 series 4 screw units only. Shields up and side illumination.
FV1 AL *Aluminum Vertical External Visor.* Use with VR1 or VR2 series 4 screw units only. Shields up and side illumination.
FV2C *Steel Vertical External Visor.* Use with VR1C and VR2C.
FV2C AL *Aluminum Vertical External Visor.* Use with VR1C and VR2C.
FV3 *Steel Vertical External Visor.* Use with VR3. Shields up and side illumination.
FV3 AL *Aluminum Vertical External Visor.* Use with VR3. Shields up and side illumination.
FV3C *Steel Vertical External Visor.* Use with VR3C.
FV3C AL *Aluminum Vertical External Visor.* Use with VR3C.
FV4 *Steel Vertical External Visor.* Use with VR4. Shields up and side illumination.
FV4 AL *Aluminum Vertical External Visor.* Use with VR4. Shields up and side illumination.
FV4C *Steel Vertical External Visor.* Use with VR4C.
FV4C AL *Aluminum Vertical External Visor.* Use with VR4C.
PF *Plaster Frame.* Provides a clean edge for ceiling openings. Use with VRR.

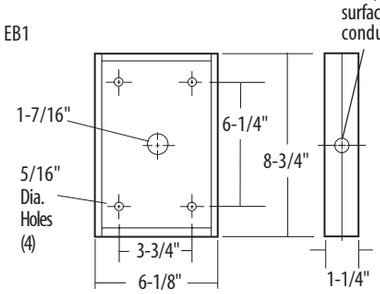
Screwdrivers

RK1 T10DRV *Torx® TX10 screwdriver,* for use with Gateway set screws.
RK1 T20DRV *Torx® TX20 screwdriver,* for use with tamper-resistant screws with center reject pin. Use with Gateway TRS option.
RK1 T20BIT *Torx® TX20 hex-base driver bit,* for use with tamper-resistant screws with center reject pin.

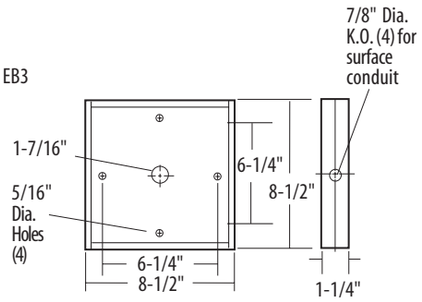
EBC



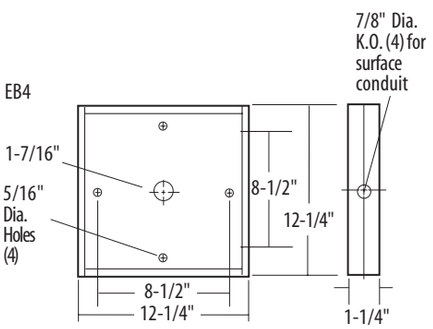
EB1



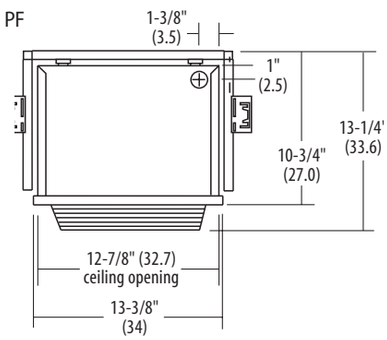
EB3



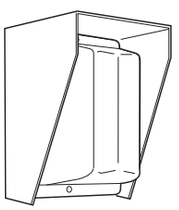
EB4



PF



FV



FHV



Ballast

ADCF *Advance electronic fluorescent ballast.* Requires 4-pin lamp (120V or 277V only).

ADEZ *Advance Mark X®* electronic line voltage control dimming ballast. (120V or 277V; 26DTT, 26TRT & 32TRT).

CW *Cold-weather ballast* for linear fluorescent fixtures.

CW20 *Cold-weather ballast,* -20ºF for linear fluorescent fixtures.

DMHL *Lutron Hi-Lume®* electronic 3-wire line voltage control dimming ballast. (120V or 277V; 26DTT, 26TRT & 32TRT).

MOTCF *Osram Sylvania* electronic fluorescent ballast. Requires 4-pin lamp.

RHP *Reactor high power factor ballast* (HPS and 120V only).

TUBCF *Universal Lighting Technologies* electronic fluorescent ballast. Requires 4-pin lamp.

XHP *High reactance high power factor ballast* (208V, 240V, 277V, 347V and TB). Available with HPS only (35S not available).

Miscellaneous

4S *Four screws* per unit

AL *Aluminum backplate* for VR1/VR2; aluminum housing for VDC/VDS.

ALDF *Aluminum doorframe.* Required for use with VRR DHL (drop Holophane glass lens).

DL *Damp location* listing for VSL/VSLC.

IHR *Internal horizontal reflector.* Required for HID wall mount units. For use with utilitarian products.

IR *Internal vertical reflector.* Required for HID wall mount units. For use with utilitarian products.

L/LP *Less lamp(s).*

LPI *Lamp(s) included.*

SCB *Surface conduit backbox.* For use with VR1B/VR2B series. Replaces standard backbox. UL Listed for damp locations. Can be ordered separately as an accessory - **SCB**.

SCG *Surface conduit gaskets* (one pair, not installed) for VSL/VSLC. Fixture maintains wet location listing.

STS *Stainless steel housing, natural.* Available with VDC/VDS.

STSW *Stainless steel housing, white.* Available with VDC/VDS & VW/VWC.

TRS *Tamper-resistant screws.* Stainless steel Torx® T20 screws with center reject pin.

VGRDS *Decorative shroud.* For use with round, deep profile Gateway™ units. Mounts over die-cast housing to cover surface conduit entries for a more aesthetically appealing look. Can be ordered separately as an accessory – **VGRDS XXXX** (must specify color).

WL *Wet location.*

Electrical

2/1 *Two 1-lamp ballasts.* Two lamps/Two ballasts. Requires one power input for system.

DF *Double fuse.* Use with 208, 240, 480V. Not available for Multi-tap ballast. In-line fusing isolates luminaire from circuit. Externally accessible.

DS *Dual switching.* Two lamps/Two ballasts. Requires two separate power inputs so each lamp/ballast combo operates as separate systems.

EC *Emergency circuit.* Factory-installed, double-contact, bayonet-base quartz socket with socket leads for use with separate external emergency power system.

ELDW *Integral emergency battery system* for fluorescent units. 750 lumens maximum.

GLR *Internal fast-blow fusing*

GMF *Internal slow-blow fusing*

L/JB *Less junction box.* For use with induction lighting system.

NL *Incandescent night-light* - 7W maximum. Lamp included.

NLCF *Compact fluorescent night-light* - 9W maximum. Lamp included.

PE *Photoelectric cell.* (Button type.) Not available for Multi-tap ballasts or 480V.

QRS *Quartz Restrike System.* Factory installed, double contact, bayonet-based quartz socket with socket leads. Automatically switches 12V quartz lamp on if there is a power interruption or brownout significant enough to cause the primary HID lamp to drop out. The 120V quartz lamp stays on until the HID fixture restrikes. QRS does not energize during cold start of HID luminaires. Wiring for the quartz lamp is internal to the ballast assembly; the 120 volts required to operate the quartz lamp is supplied by the ballast. Wattage of the quartz lamp should not exceed that of the HID source . Maximum wattage lamp included.

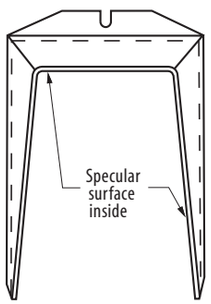
RIF1 *Radio interference filter*, one per fixture. For one filter per ballast, specify **RIF2**. Available for linear fluorescent units only.

SF *Single fuse* Use with 120, 277, 347V. Not available for Multi-tap ballasts. In-line fusing isolates luminaire from circuit. Externally accessible.

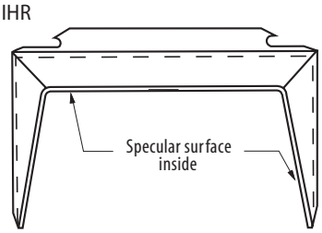
SM1 *Single medium-base incandescent socket.* For use with VR4 100W & 150W incandescent.

XT *Low-energy diode, extended lamp life.* Use for incandescent units only.

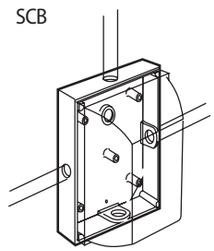
IR



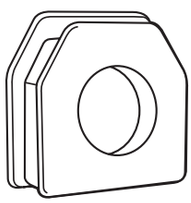
IHR



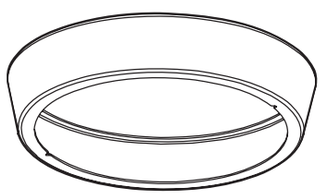
SCB



SCG



VGRDS





Emergency Systems

Lithonia Emergency Systems manufactures a comprehensive selection of exit signs, emergency lighting units, fluorescent battery packs and emergency power systems for a wide range of commercial and industrial applications and special environments.

Our extensive product offering includes architectural, commercial and industrial models in a choice of materials and light sources. A substantial range of remote heads, options and accessories also is available.





CONTENTS



422



423



424



425



426



427


432


433



434



436


438


439


440


442


443


444


445


452

Exit Signs 422

Architectural Emergency Units 432

Fluorescent Battery Packs 434

Emergency Lighting Units 438

Power Systems 452

General Spacing Guidelines 454

Performance Data 457

Safety Codes 461

Outdoor Emergency Lighting 466

Precise®

LED



Chevron Direction

Specification (add to catalog number)	Graphics	
	Back	Front
LA		<EXIT
RA		EXIT>
LRA (single face)		<EXIT>
DA	<EXIT	EXIT>
LRA (double face)	<EXIT>	<EXIT>

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

Panel/Trim Assembly



Recessed End Mount

Panel length (from wall):	13-1/2(343)
Panel height:	10(254)
Trim height:	14-3/4(375)
Panel depth:	1-7/8(47)
Weight:	5 lbs. (2.3 kgs.)



Recessed Ceiling Mount

Panel length:	13-1/4(336)
Trim length:	14-3/4(375)
Height (below ceiling):	8(203)
Trim width:	5(127)
Weight:	5 lbs. (2.3 kgs.)



Recessed Back Mount

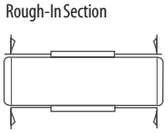
Panel length:	13-1/4(336)
Trim length:	14-3/4(375)
Total height:	11-1/2(292)
Depth (from wall):	1-7/8(47)
Weight:	5 lbs. (2.3 kgs.)



Top Mount

Panel length:	13-1/4(336)
Trim length:	13-1/8(333)
Panel height:	8(203)
Weight:	5 lbs. (2.3 kgs.)

Rough-In Section



Length:	13-5/8(346)
Width:	4-1/2(114)
Depth:	3-1/8(80)

Intended Use

Suitable for architectural applications where aesthetics and superior performance are required.

Features

Injection-molded acrylic panels, ultrasonically welded to eliminate visible hardware.

Depth of molded letters increases toward bottom of panel for better, more uniform illumination. Chevron directional indicators.

Long-life LEDs feature very low energy consumption and rated life up to 25 years.

Emergency operation exits use maintenance-free nickel-cadmium battery.

Recessed mounting. Extruded aluminum housing recessed into wall or ceiling for top, back or end mounting capability.

Surface top-mount (TM) option available on standard exits and attaches directly to J-box. Can be used for pendant mounting.

Special wording available; consult factory.

Listings

UL Listed (standard). CSA or NOM Certified (see Options).

Ordering Information

Example: **LRP BS 1 RC LA 120/277 EL N EM**

Family
LRP LED

Housing color
(blank) Brushed aluminum
W White
B Black
BZ Bronze
BS Brass
CR Chrome
U Unfinished

Number of faces
1 Single
2 Double

Panel color letter/background
RW Red on white
RC Red on clear[1,2]
RMR Red on mirror[2,3]
GW Green on white[2]
GC Green on clear[1,2]
GMR Green on mirror[2,3]

Directional indicators
(blank) No chevrons
LA Left
RA Right
LRA Left and right
DA Double-face chevrons

Input voltage
120/277 Dual voltage
120/347 Dual voltage[4]

Operation
(blank) Standard non-emergency
EL N Nickel-cadmium battery[2]
LDC6 6V DC input for LED lamps[4]
LDC12/48 12-48V DC input for LED lamps[4]

Mounting
(blank) Ceiling or back
EM End
TM Top[5]

Item type
(blank) Complete exit panel and rough-in section
PNL Panel assembly only

Certification
(blank) UL Listed
CSA CSA Certified
NOM NOM Certified

Accessories[6] (Order separately)

LED ROUGH-IN SECTION[7]

Standard

ELA LCRIS 1 or 2 face red or green
ELA LCRIS 120 X2 1 or 2 face 120V w/ X2 option[2]
ELA LCRIS 277 X2 1 or 2 face 277V w/ X2 option[2]

Emergency

ELA R LRIS 120/277 EL N 1-face red[2]
ELA R 2LRIS 120/277 EL N 2-face red[2]
ELA G LRIS 120/277 EL N 1-face green[2]
ELA G 2LRIS 120/277 EL N 2-face green[2]
ELA R LRIS 120/347 LDC12/48 CSA 1 or 2-face red with LDC 12/48 option[4]
ELA R LRIS 120/347 LDC6 CSA 1 or 2-face red with LDC 6 option[4]

Pendant mounting (top mount only)

ELA US12 12" pendant kit with brushed aluminum canopy

NOTES:
1 Single-face exits only.
2 Not available with CSA.
3 Mirror background simulates clear for double-face option.
4 Only available with CSA.
5 Standard exits only. No rough-in section required. Not available with LDC6 or LDC12/48.
6 For additional options, accessories and fixture compatibility, see page 431.
7 Supplied standard with exit unless PNL suffix is specified. Order separately only if necessary for early installation. When ordering rough-in separately, all options must be included with rough-in nomenclature (Example: ELA LCRIS 120/277 **FI**).

Electrical Application Data

Type	Volts	Faces	Amps	Watts
Primary Circuit				
Standard LED Red	120	1	.087	1.5
	120	2	.178	3.1
	277	1	.089	1.8
	277	2	.178	3.4
Emergency LED Red	120	1	.093	2.3
	120	2	.084	3.2
	277	1	.095	2.7
	277	2	.094	3.9
Standard LED Green	120	1	.064	1.2
	120	2	.059	2.0
	277	1	.062	1.3
	277	2	.061	2.3
Emergency LED Green	120	1	.066	1.7
	120	2	.138	3.7
	277	1	.064	1.9
	277	2	.130	3.8
Standard CSA LED Red	120	1	.09	1.4
	120	2	.09	2.7
	347	1	.09	1.5
	347	2	.09	2.8
Emergency Circuit				
LDC6[4]	6	1	.20	1.2
	6	2	.40	2.4
LDC12/48[4]	12	1	.12	1.5
	12	2	.23	2.8
	24	1	.06	1.5
	24	2	.12	2.8
	32	1	.05	1.5
	32	2	.09	2.8
	48	1	.04	1.6
	48	2	.06	2.9

www.lithonia.com, keyword: LRP

EDG

LED



Intended Use

Suitable for applications requiring attractive edge-lit exit signage, universal installation and low energy consumption.

Features

Extruded brushed aluminum finish lamp housing.

Clear thermoplastic panels with precision outline engraved letters measuring 6" high with 3/4" stroke.

Mirrored separator panel to simulate clear background for double-face signs. Clear panel for single-face signs.

Expected LED life up to 25 years.

Low energy consumption – less than 5 watts for 120V red AC only; and battery back-up.

Universal (top, end or back) mounting. Double face available with top or end mounting only (canopy provided).

Universal directional indicators. Field selected and attached.

Listings

UL Listed (standard).

Ordering Information

Example: **EDG 1 R 120/277 EL N**

Family	Housing color	Number of faces	Letter color	Input voltage	Operation
EDG Surface mount LED edge-lit	(blank) Brushed aluminum	**1** Single **2** Double	**R** Red **G** Green	**120/277** Dual voltage	(blank) Standard non-emergency **EL N** Nickel-cadmium battery

Electrical Application Data			
Type	Volts	Amps	Watts
Primary Circuit			
Standard LED Red	120	0.2	3
	277	0.1	3
Standard LED Green	120	0.3	4
	277	0.2	5
Emergency LED Red	120	0.4	5
	277	0.2	5
Emergency LED Green	120	0.5	5
	277	0.2	5

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
EDG 1 R 120/277 EL N

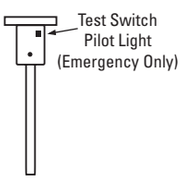
Dimensions are shown in **inches (millimeters)** unless otherwise noted. Shipping weight 4lbs. (1.81 kgs.)

End Mount



Width: 13-3/4 (349)
Height: 11-1/8 (283)
Depth: 1-13/16 (46)

Top Mount



Width: 4-7/16 (113)
Height: 11-7/8 (302)
Depth: 12-3/4 (324)

Back Mount



Width: 13 (330)
Height: 12-1/2 (317)
Depth: 2-13/16 (71)

Die-Cast Aluminum Exits

Signature®

LED



Intended Use

Ideal for applications requiring attractive die-cast aluminum signage, superior illumination and low energy consumption.

Features

Solid, die-cast aluminum housing – smallest sign on the market. Standard finish is brushed aluminum face with matte black housing. Other finishes available.

The self-diagnostic emergency signs comply with NFPA Life Safety Code and automatically tests the battery once a month for five minutes and once every six months for 30 minutes.

Completely concealed chevron directional indicator knockouts and mounting hardware.

Long-life LEDs feature very low energy consumption and rated life up to 25 years.

A standard red LED exit consumes only .73 watts of electricity at 120 volts.

LEDs provide uniform graphics illumination. Meets 3/4" letter stroke requirements. Maintains 100% brightness in emergency mode.

Emergency exits contain maintenance-free nickel-cadmium battery and reliable, solid-state charging system.

Universal mounting – top, back or end. Double face available with top or end mounting only (canopy included).

US Patent No. 5,954,423.

Listings

UL Listed (standard). CSA or NOM Certified (see Options).

Ordering Information

Example: **LE S W 1 R 120/277 EL N SD**

Family
- **LE** LED
- **LRE** LED recessed[1]

Face type
- **S** Stencil
- **P** Panel[2]

Housing color
- (blank) Matte black, brushed aluminum face & housing
- **BZ** Dark bronze[1]
- **W** White
- **B** Matte black[1]

Number of faces
- **1** Single
- **2** Double[3]

Panel color
- **R** Red
- **G** Green[1]

Input voltage
- **120/277** Dual voltage[1]
- **120** 120V[4]
- **347** 347V[4]
- **120/347** Dual voltage[5]

Operation
- (blank) Standard non-emergency
- **EL N** Nickel-cadmium battery[1,3]
- **EL N SD** Nickel-cadmium battery with self diagnostics
- **LDC6** 6V DC input for LED lamps [3,5]
- **LDC12/48** 12-48V DC input for LED lamps [3,5]

Options

For options and fixture compatibility, see page 431.

Certification
- (blank) UL Listed
- **CSA** CSA Certified
- **NOM** NOM Certified

Accessories[6]	(Order separately)
ELA B US12	12" pendant kit with black canopy[7]
ELA LEHO 120/277 N	Remote capable with black canopy. Provides 90 minutes of 10.2 watt capacity for remote head[1,7,8]

NOTES:
1. Not available with CSA.
2. For special signage only, special wording available on panel face; see page 430.
3. Not available with recessed exits.
4. Only available with emergency CSA.
5. Only available with non-emergency CSA.
6. For additional accessories, see page 431.
7. Add **W** for white canopy.
8. For use with emergency exits only.
9. Canopy required for ELN SD CSA or LDC option.

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

LED



End mount *Top mount* *Back mount*[9]

Width: 11-3/8 (289)
Height: 7-7/8 (200)
Depth: 1-3/4 (45)
Weight: Add 2-1/4 (57) for canopy (Standard) 5 lbs. (2.3 kgs) (Emergency) 8 lbs. (3.6 kgs)



Recessed

Width: 12-15/16 (329)
Depth: 4 (102)
Height: 9-7/16 (240)
Weight: (Standard) 10 lbs. (4.5 kgs) (Emergency) 13 lbs. (5.9 kgs)

Electrical Application Data				
Type	Volts	Faces	Amps	Watts
Primary Circuit				
Standard LED Red	120	1 or 2	.04	.73
	277	1 or 2	.05	.94
	347	1 or 2	.06	1.2
Standard LED Green	120	1 or 2	.04	1.2
	277	1 or 2	.05	1.5
Emergency CSA LED Red	120	1 or 2	.05	1.2
	277	1 or 2	.06	1.3
	347	1 or 2	.01	2.9
Emergency LED Green	120	1 or 2	.05	1.6
	277	1 or 2	.06	1.8
Emergency Circuit				
LDC6	6	1 or 2	.20	1.2
LDC12/48	12	1 or 2	.12	1.5
	24	1 or 2	.06	1.5
	32	1 or 2	.05	1.5
	48	1 or 2	.04	1.6

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
LE S W 1 R 120/277 EL N
LE S 1 R 120/277 EL N

Extreme®

LED



Intended Use

Suitable for cold weather (down to -40°C), hose down, wet location, security prisons and high-abuse applications.

Features

Ideal for high abuse, cold weather (down to -40°C with CW option) and wet location applications such as schools, security areas/prisons and parking garages.

Durable, cast-aluminum construction. Rugged housing is .250" to .525" thick.

Clear, UV-stable polycarbonate cover is .130" thick to prevent cracking or breaking.

Secured with four stainless steel Torx T20 tamperproof screws with center pin.

Completely concealed chevron directional indicator knockouts.

Long-life LEDs feature very low energy consumption and a rated life up to 25 years.

Emergency exits contain maintenance-free nickel-cadmium battery and reliable, solid-state charging system.

UM option offers conduit entry and top, end, or back mounting. Double face available with top or end mounting only (canopy provided).

Self-diagnostics option automatically tests battery once every month and once every six months.

Vandal-resistant magnetic test switch and status indicator provide a safe, easy means of testing.

U.S. Patent No. D383,501 and 5,611,163.

Listings

UL Listed (standard). CSA or NOM Certified (see Options). 4X option is UL Listed.

Ordering Information

Example: **LV S W 1 R 120/277 UM EL N**

Family
- **LV** LED

Face type
- **S** Stencil

Faceplate/housing color
- (blank) Black faceplate on black housing
- **W** White on white
- **AB** Aluminum on black[1]
- **AW** Aluminum on white[1]

Number of faces
- **1** Single
- **2** Double

Panel color letter/background
- **R** Red
- **G** Green[1]

Input voltage
- **120** 120V[2]
- **120/277** Dual voltage[1]
- **347** 347V[3,4]
- **120/347** Dual voltage[4,5]

Mounting
- (blank) Back mount
- **UM** Universal mount[6]

Operation
- (blank) Standard non-emergency
- **EL N** Nickel-cadmium battery
- **LDC6** 6V DC input for LED lamp[4]
- **LDC12/48** 12-48V DC input for LED lamps[4]

Options
- **CW** Cold weather and NEMA 4X wet location to -40°C[1,3,7]
- **4X** UL Listed for NEMA 4X[1]
- **WL** Suitable for wet-mounting applications[4]

For additional options and fixture compatibility, see page 431.

Certification
- (blank) UL Listed
- **CSA** CSA Certified
- **NOM** NOM Certified

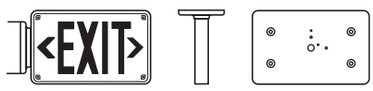
Electrical Application Data				
Type	Volts	Faces	Amps	Watts
Primary Circuit				
Standard LED Red	120	1	.15	2.3
	120	2	.30	4.6
	277	1	.13	2.2
	277	2	.26	4.4
Standard LED Green	120	1	.09	1.7
	120	2	.08	2.8
	277	1	.09	1.9
	277	2	.09	3.3
Emergency LED Red	120	1	.14	3.3
	120	2	.13	4.8
	277	1	.13	3.3
	277	2	.13	5.0
Emergency LED Green	120	1	.10	2.2
	120	2	.09	3.2
	277	1	.10	2.5
	277	2	.10	4.0
LED Standard (CSA)	120	1	.14	2.23
	120	2	.13	3.80
	347	1	.14	1.92
	347	2	.13	3.74
LED Emergency (CSA)	120	1	.11	13.27
	120	2	.10	8.14
	347	1	.04	12.65
	347	2	.03	7.83

Type	Volts	Faces	Amps	Watts
Emergency Circuit				
LDC6	6	1	.24	1.44
LDC6	6	2	.48	2.88
LDC12/48	12	1	.15	1.90
LDC12/48	12	2	.26	3.11
LDC12/48	24	1	.07	1.79
LDC12/48	24	2	.13	3.05
LDC12/48	32	1	.06	1.76
LDC12/48	32	2	.10	3.25
LDC12/48	48	1	.04	1.73
LDC12/48	48	2	.07	3.35

NOTES:
1. Not available with CSA.
2. Only available with CSA emergency.
3. Available with emergency exits only.
4. Only available with CSA.
5. Only available with standard, non-emergency exit.
6. Universal mount standard with conduit entry (1/2"-14UNC).
7. NEMA 4X is included with CW option.

Accessories	(Order separately)
ELA TPS T20	Torx tamperproof bit for T20 center-pin screw

Dimensions are shown in **inches (millimeters)** unless otherwise noted.



End Mount *Top Mount* *Back Mount*

Width: 13-7/8(352)
Height: 8-5/8(219)
Depth: 3(76); add 3(76) for canopy;
Weight: (Standard): 11 lbs. (5 kgs.), (Emergency): 12 lbs. (5.5 kgs.)

Contemporary Thermoplastic Exits

Quantum®

LED Quick-Mount®



Intended Use

Ideal for applications requiring attractive, quick installation exit signs and low energy consumption.

Features

Precision-molded thermoplastic housing is impact and scratch resistant, corrosion proof and UV-stabilized to resist discoloration.

Innovative snap-together design allows installation in less than three minutes.

Long-life LEDs feature very low energy consumption and rated life up to 25 years. Consumes less than one watt of energy.

Fully assembled single-face exit with optional extra faceplate for easy field conversion to double face.

Replaceable chevron directional indicator knockouts for choice of direction.

Universal mounting capability – top, back or end (canopy provided).

Automatic recharge after discharge.

Conveniently located test switch and status indicator provide visual and manual means of monitoring system operation.

The self diagnostic emergency signs comply with NFPA Life Safety Code and automatically test the battery once a month for five minutes and once every six months for 30 minutes.

U.S. Patent No. 5,526,251, 5,611,163, 5,739,639 and 5,954,423. Other patents pending.

Listings

UL Listed (standard). CSA or NOM Certified (see Options).

Ordering Information

Example: **LQM S W 3 R 120/277 EL N**

Family
LQM LED

Face type
S Stencil
P Panel[1,2,3]

Housing color
(blank) Black[3]
W White

Number of faces
1 Single[2,3]
3 Single with extra faceplate and color panel for field conversion to double-face

Panel color
R Red
G Green[3]

Input voltage[4]
120/277 Dual voltage[3]
120/347 Dual voltage[5]

Operation
(blank) Standard non-emergency
EL N Nickel-cadmium battery[3]
EL N SD Nickel-cadmium battery with self-diagnostics[3,6]
LDC6 6V DC input for LED lamp[5]
LDC12/48 12-48V DC input for LED lamps[5]

Exit signage
(blank) Exit
SALIDA Salida[2,7]

Options[2]
For options and fixture compatibility, see page 431.

Certification
(blank) UL Listed
CSA CSA Certified
NOM NOM Certified

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
LQM S W 3 G 120/277 EL N
LQM S W 3 R 120/277 EL N
LQM S W 3 R 120/277

Quick-Mount® Installation:
1) Connect jumper leads (provided) to AC input leads in J-box. Fasten bracket and canopy to J-box.
2) Remove faceplate from housing and snap housing onto canopy.
3) Connect input leads to leads at corner of housing wire channel. Connect battery.
4) Snap out directional chevron indicators (if necessary) and snap faceplate onto canopy.

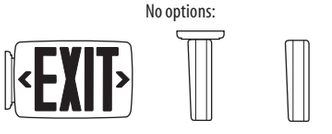
Electrical Application Data			
Type	Volts	Amps	Watts
Primary Circuit			
Standard	120	.04	.57
LED Red	277	.05	.68
Standard	120	.05	.62
LED Green	277	.05	.72
Emergency	120	.04	.72
LED Red	277	.92	.92
Emergency	120	.04	.72
LED Green	277	.05	.92
Emergency Circuit			
LDC6	6	.16	.96
LDC12/48	12	.10	1.20
LDC12/48	24	.05	1.24
LDC12/48	32	.04	1.28
LDC12/48	48	.03	1.36

Accessories[8]	(Order separately)
ELA W US12	12" stem kit with white canopy [9]
ELA WGEX	Back-mount wireguard
ELA WGEXT	Top-mount wireguard
ELA WGEXE	End-mount wireguard

NOTES:
1 For custom signage only. Special wording available on panel face, white housing only, see page 430.
2 See "With options" below for special housing dimensions.
3 Not available with CSA.
4 Some special voltages available. Consult factory.
5 Only available with CSA.
6 See "SD option" below for special housing dimensions.
7 Letters 6" high with 7/16" stroke.
8 For additional options, accessories and fixture compatibility, see page 431.
9 Replace **W** with **B** for black canopy.

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

No options:



End Mount *Top Mount* *Back Mount*

Width: 11(298)
Height: 7-5/8(193)
(Add 7/8 (22) for canopy)
Depth: 1-15/16(49)
Weight: 2.6 lbs. (1.2 kgs.)

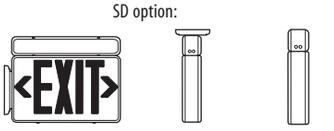
With options:



End Mount *Top Mount* *Back Mount*

Width: 12-1/4(311)
Height: 7-1/2(191)
(Add 7/8 (22) for canopy)
Depth: 2(51)
Weight: 2 lbs. (.9 kgs.)

SD option:



End Mount *Top Mount* *Back Mount*

Width: 12-1/4(311)
Height: 10(254) (Add 7/8(22) for canopy)
Depth: 2(51)
Weight: 2.6 lbs. (1.2 kgs.)

www.lithonia.com, keyword: LQM

Quantum®

LED Quick-Mount®



Intended Use

Suitable for applications requiring quick-installation of both exit sign and unit equipment. Attractive 10-inch tall, streamlined design is great for above-the-door applications and other tight fits.

Features

UV-stabilized thermoplastic housing resists discoloration from sunlight and man-made sources.

Quick-Mount® installation. Innovative, snap-together design allows for installation in less than three minutes.

Factory assembled and prewired.

Replaceable chevron directional indicator knockouts for choice of direction.

Side-mount lamp heads reduce overall height, allowing for easy fit over doorways.

Long-life LEDs feature very low energy consumption and rated life up to 25 years.

Sealed, maintenance-free, lead-calcium battery standard. Nickel-cadmium battery optional.

Top, back or end mounting (canopy included).

Optional high-output battery (HO) to power a remote head or exit.

U.S. Patent No. 5,611,163, 5,646,502, 5,526,251, 5,797,673 and D379,373. Other patents pending.

Listings

UL Listed (standard). NOM Certified (see Options).

Ordering Information

Example: **LHQM S W 1 R 120/277**

Family	Face type	Housing color	Number of faces	Panel color	Input voltage	Options	Certification
LHQM LED exit/unit	**S** Stencil **P** Panel[1]	(blank) Black **W** White	**1** Single **3** Single with extra faceplate and color panel	**R** Red **G** Green	**120/277** Dual voltage	**N** Nickel-cadmium battery[2] **H** Two 6W tungsten halogen lamps[2,3] **HO** High-output lead-calcium battery[3] **R0** Less lamp heads	(blank) UL Listed **NOM** NOM Certified

NOTES:
1 Special wording available on panel face, white housing only, see page 430.
2 Choice of H or N. Not available with both.
3 Choice of H or HO. Not available with both.
4 For additional accessories, see page 431.

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
LHQM S W 3 R 120/277
LHQM S W 3 G 120/277

Accessories[4]	(Order separately)
ELA MR24 K0606	Compact MR24 remote head (6W, 6V krypton lamp)
ELA MR24 K0906	Compact MR24 remote head (9W, 6V krypton lamp)
ELA NX H0606	NEMA 4X sealed-beam remote fixture (6W, 6V halogen lamp)

Remote Output Capacity

Family	Standard combo	Combo/ ni-cad battery (N)	Combo/ halogen lamps (H)	Combo/ high-output battery (HO)	Combo/ no heads (R0)	Combo/no heads (R0) & high-output battery (HO)
LHQM	NA	NA	NA	12 W	10.8 W	24.0 W

	Electrical Application Data								
	Electrical			*Standard Lamp*					
AC Lamp Description	AC Input			Output	Output Watts			Catalog Number	Watts
	Volts	Amps	Watts	Volts	1.5 hrs.	2 hrs	3 hrs.		
LED Red	120	.23	3.3	6	14	10	7	MR24 K0606	5.4
	277	.23	3.3	6 (HO)	24	18	12		
LED Green	120	.23	3.3	6	14	10	7	MR24 K0606	5.4
	277	.23	3.3	6 (HO)	24	18	12		

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

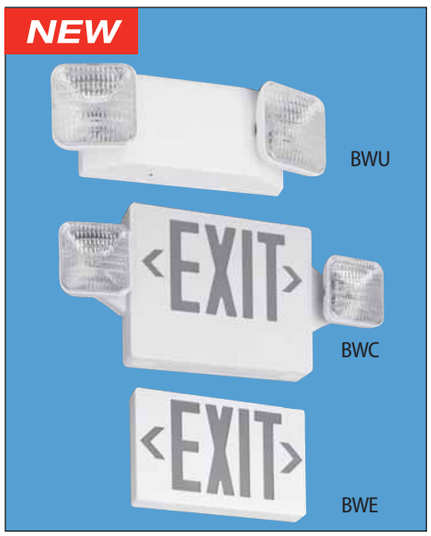


Width: 21-1/4(539)
Depth: 4(102)
Height: 9-7/8(250)
Weight: 7.36 lbs. (3.3 kgs.)

www.lithonia.com, keyword: LHQM

Economy-Grade Emergency Lighting

BriteWay®



Intended Use

Ideal for applications requiring general purpose emergency lighting.

Features

Thermoplastic housing.

Dual voltage 120/277-VAC.

LED illuminated exit and combo signs feature low energy consumption.

Fully assembled single-face exit and combo with optional extra faceplate.

Exit and combo with universal mounting capability – top, back or end (exit only) mounting (canopy provided).

Unit and combo with two 5.4-watt lamps to provide emergency lighting for 90 minutes.

Battery back-up models provided with test switch and status indicator for visual and manual means of monitoring system operation.

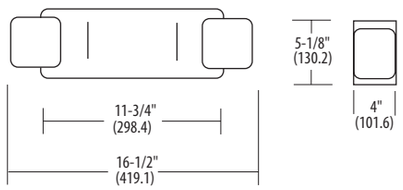
One year warranty.

Listings

UL Listed.

Ordering Information

Example: **BWU**



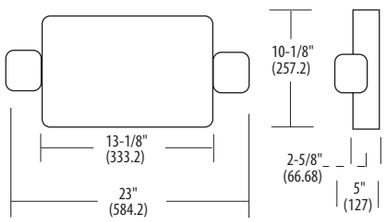
Family

BWU White thermoplastic 6-volt self-contained emergency lighting unit

Electrical Application Data			
Type	Volts	Amps	Watts
Primary Circuit			
Standard	120	.05	.71
LED Red Exit	277	.06	.92
Standard	120	.05	.66
LED Green Exit	277	.06	.70
Emergency	120	.05	.71
LED Red Exit	277	.06	.92
Emergency	120	.05	.66
LED Green Exit	277	.06	.70
LED Red Combo	120	.23	3.3
	277	.23	3.3
LED Green Combo	120	.23	3.3
	277	.23	3.3
Emergency	120	.05	5.7
Lighting Unit	277	.02	5.5

Ordering Information

Example: **BWC R**



Family

BWC White thermoplastic 2-headed LED exit/unit combo, single stencil face with extra face plate

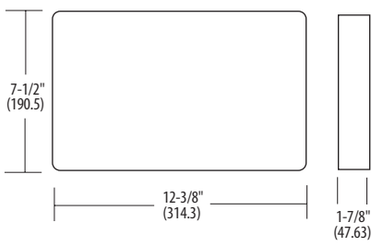
Letter color

R Red

G Green

Ordering Information

Example: **BWE R EL N**



Family

BWE White thermoplastic LED exit, single stencil face with extra faceplate

Letter color

R Red

G Green

Options

(blank) Standard non-emergency

EL N Nickel-cadmium battery

lightquick® XD

Express delivery products.

See page11 for details about LightQuick XD.

Description
BWU
BWC R
BWE R EL N
BWE G EL N
BWE R

Titan®

LED



Intended Use

Suitable for applications requiring heavy-duty steel exit signage such as a light industrial warehouse or manufacturing facility.

Features

Heavy-gauge, die-formed steel housing. Impact-resistant color panels.

Knockout chevrons for choice of direction.

Long-life LEDs feature very low energy consumption and rated life up to 25 years.

Universal mounting — top, back or end (canopy included).

Listings

UL Listed (standard). NOM Certified (see Options).

Ordering Information

Example: **LX S W 1 R 120/277 EL N**

Family	Face type	Housing color	Number of faces	Panel color	Input voltage	Operation	Options	Certification
LX LED	**S** Stencil	(blank) Matte black **W** White	**1** Single **3** Single with extra faceplate and color panel	**R** Red **G** Green	**120/277** Dual voltage	(blank) Standard non-emergency **EL N** Nickel-cadmium battery	For additional options and fixture compatibility, see page 431.	(blank) UL Listed **NOM** NOM Certified

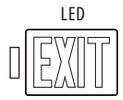
Electrical Application Data			
Type	Volts	Amps	Watts
Primary Circuit			
Standard LED Red	120	.04	.57
	277	.05	.68
Standard LED Green	120	.05	.62
	277	.05	.72
Emergency LED Red	120	.04	.72
	277	.05	.92
Emergency LED Green	120	.04	.72
	277	.05	.92

Accessories[1]	(Order separately)
ELA W US12	12" stem kit with white canopy[2]

NOTES:
1 For additional accessories see page 431.
2 Replace W with **B** for black canopy.

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

LED



	Standard	*Emergency*
Width:	11-1/2(292)	
Height:	7-7/8(200)	
Depth:	2-1/2(64)	
	(Add 7/8(22) for canopy)	
Weight:	5 lbs. (2.2 kgs.)	

Self-Luminous



Intended Use

Ideal for applications where electrical power cannot be provided.

Features

Tritium-filled gas tubes require no electrical input and are rated for 10 or 20-year life.

Universal directional indicators and mounting (canopy included).

Completely sealed housing.

Explosion-proof/hazardous location. Suitable for wet locations.

Tamperproof mounting hardware included.

10 or 20-year life (varies with luminous life option chosen).

Listings

UL Listed.

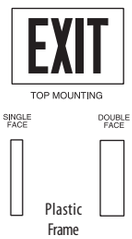
Ordering Information

Example: **D S W 1 R**

Family	Face type	Housing color	Number of faces	Faceplate color	Luminous life	Options
D Self-luminous	**S** Stencil	(blank) Black **W** White **AL** Aluminum[1]	**1** Single **2** Double	**R** Red **G** Green	(blank) 10 years **20** 20 years	**VR** Vandal shield[2,3,4] **AA** Aluminum anodized frame[5] **IF** Institutional frame[4]

NOTES:
1 Only available with AA option.
2 Only available in single face.
3 Only available with aluminum housing color.
4 Consult factory for dimensional details.
5 Available in all housing colors.

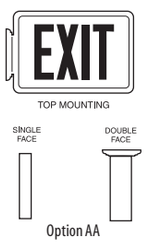
Dimensions are shown in **inches (millimeters)** unless otherwise noted.



Width:	14-3/16(360)
Height:	9-5/8(244)
Depth:	Single - 1-1/2(38) Double - 3(76)
Weight:	Single - 3 lbs. (1.4 kgs.) Double - 6 lbs. (2.8 kgs.)

Width:	12-3/4(324)
Height:	8-1/4(209)
Depth:	Single - 1-1/2(38) Double - 2-11/16(68)
Weight:	Single - 4 lbs. (1.8 kgs.) Double - 8 lbs. (3.6 kgs.

(Canopy provided with double face only)



Special Signage

Lithonia offers special signage in the Signature® and Quantum® families. Most special signage is available with red or green LED lighting. See below for special wording ordering guide.



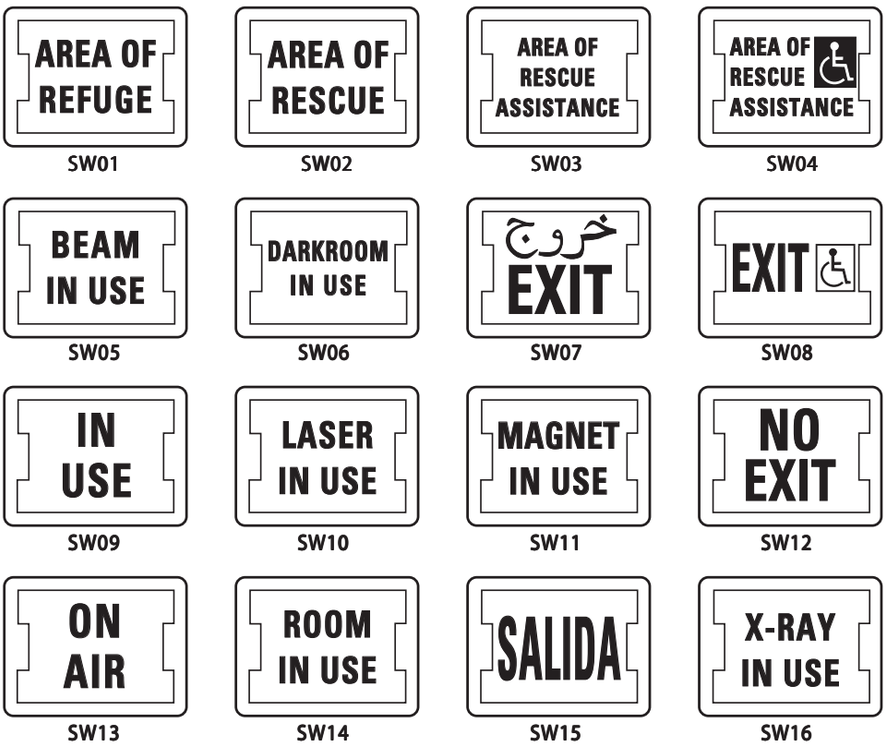
Signature®



Quantum® Sign



Quantum® Sign/Unit Combo



Ordering Information

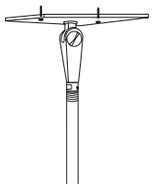
Example: **LE P W I R 120/277 EL N SW02**

Family	Face type	Housing color	Number of faces	Letter color	Input voltage	Operation[5]	Special wording
LE Signature® die-cast aluminum sign	**P** Panel	(blank) Matte black, brushed aluminum base	**1** Single face	**R** Red	**120/277** Dual voltage	(blank) AC only	**SW01** AREA OF REFUGE
LQM Quantum® thermoplastic sign[1]		**W** White	**2** Double face	**G** Green		**EL N** Nickel-cadmium battery	**SW02** AREA OF RESCUE
LHQM Quantum® thermoplastic sign/unit combo[1]			**3** Single with extra faceplate and color panel[2]				**SW03** AREA OF RESCUE ASSISTANCE
							SW04 AREA OF RESCUE ASSISTANCE with access pictogram
							SW05 BEAM IN USE[3]
							SW06 DARKROOM IN USE[3]
							SW07 EXIT Arabic/English
							SW08 EXIT with access pictogram
							SW09 IN USE[3]
							SW10 LASER IN USE[3]
							SW11 MAGNET IN USE[3]
							SW12 NO EXIT
							SW13 ON AIR[3]
							SW14 ROOM IN USE[3]
							SW15 SALIDA[4]
							SW16 X-RAY IN USE[3]

NOTES:
1 Only available in white housing.
2 Only available with LQM and LHQM family.
3 Not available with LHQM family or EL N operation.
4 Only available in red letter color.
5 Not applicable to LHQM family.

Stem kits[1]

ELA US12 Signature® LE standard or emergency, Precise® LRP with TM option, Quantum®, Titan® LED



NOTES:

1 Stem color is brushed aluminum. Standard canopy color is brushed aluminum. To order white or black canopy, add **W** or **B** to catalog number. For other lengths, replace 12 with appropriate stem length in inches. Example: ELA **W US24.**

2 See page 450 for additional wireguard information.

3 Supplemental emergency circuits designed for normally off operation only.

Wireguards[2]

ELA WGEX Back-mount wireguard (shown) 13 5/8"W x 13 5/8"H x 4 3/4"D

ELA WGEXT Top-mount wireguard 14"W x 11"H x 6 3/4"D

ELA WGEXE End-mount wireguard 15"W x 11"H x 4 3/4"D

ELA WGHQM Back mount for LHQM combo 28" W x 15" H x 8" D

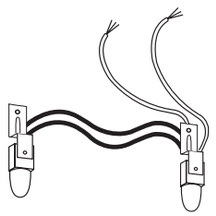


DC input kits[3]

LED Signature® Series

ELA LEDC6 6V 12W kit

ELA LEDC12 12V 12W kit



Exit Options and Compatibility

	Options													
Family	EL	N	SD	X2	F	FA	FI	HO	DL	TP	VR	LDC12/48	CSA	4X
LE				■[1]			■		■	■	■	■	■	
LE EL N		❑	■		■	■	■		■	■	■		■	
LRE				■[1]			■		■	■	■			
LRE EL N		❑	❑		■	■	■			■	■			
LQM				■			■		■			■	■	
LQM EL N		❑	■		■	■	■		■					
LHQM	❑	■			■	■	■	■						
LRP				■[1]			■					■	■	
LRP EL N		❑			■	■	■							
LX							■			■				
LX EL N		❑			■	■	■			■				
LV				■[1]			■		■	❑	❑	■	■	■
LV EL N		❑	■		■		■		■	❑	❑		■	■

❑ Standard

■ Option available

(blank) Option not available

Options

EL Lead-calcium battery

N Nickel-cadmium battery[3]

SD Self-diagnostics[3,4]

X2 Lamps wired on two separate circuits[5,6]

F Flashing emergency operation[3,4,6]

FA Flashing and audible emergency operation[3,4,6]

FI Fire alarm flashing interface[4,5,6]

HO High-output battery[5]

DL UL Listed for damp locations

TP Tamperproof Torx-head screws

VR Vandal-resistant shield (polycarbonate, .1" thick)

LDC12/48 12-48V DC input for LED lamps[2]

CSA CSA Certified

4X NEMA 4X suitable for wet-mounting applications

NOTES:

1 Must specify input voltage.

2 Supplemental emergency circuits designed for *normally off* operation only. CSA Certified product only.

3 Only available with exits containing battery.

4 Not available with X2 option.

5 Not available with flashing option.

6 Not available with CSA Certified product.

Exit Replacement Batteries

	Batteries								
	ELB 06042 lead-calcium L: 2-3/4 (70) W: 1-7/8 (48) H: 4-1/8 (102)	**ELB 0607** lead-calcium L: 4 (102) W: 1-1/2 (38) H: 6 (152)	**ELB 0610** lead-calcium L: 6 (152) W: 2 (51) D: 4 (102)	**ELB 1P201N** nickel-cadmium L: 1-5/8 (43) Dia: 3/4 (19)	**ELB 4814N** nickel-cadmium L: 3-1/2 (89) W: 1 (25) H: 1-3/4 (44)	**ELB 0604N** nickel-cadmium L: 3-7/8 (98) W: 2-3/8 (60) H: 2-3/8 (60)	**ELB 0701N** nickel-cadmium L: 5-1/4 (133) W: 1 (25) H: 1-3/4 (44)	**ELB 1201N** nickel-cadmium L: 1-5/8 (43) Dia: 3/4 (19)	**ELB 1P201N2** nickel-cadmium L: 1-5/8 (43) Dia: 3/4 (19)
Family									
QM EL/X EL	■					■[9]			
LHQM[1]/LQM EL[2]	■								
LHQM[5]/HQM		■	■[7]						
LX EL N				■					
LQM EL N[4]/LE EL N[5]								■	
LV EL N					■[8]		■[10]		
LQM ELN[6]									■

■ Battery available

(blank) Battery not available

Not all batteries and equipment are shown. Consult factory for additional requirements. All dimensions are **inches (millimeters)** unless otherwise noted.

NOTES:

1 Series 15-16.

2 Series 10-12.

3 Series 10-14.

4 Series 20-23.

5 Series 20-21.

6 Series 30.

7 With HO option.

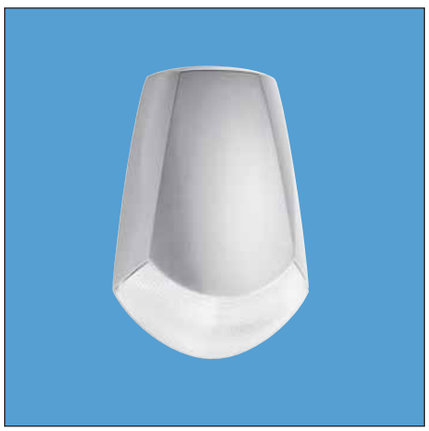
8 Single face, no options.

9 With N option.

10 Double face, no options.

Die-Cast Architectural Emergency Lighting Units

Affinity®



Intended Use

Provides a minimum of 90 minutes illumination for the rated wattage upon loss of AC power. Ideal for applications requiring attractive unit equipment.

Features

Compact, low-profile, architectural design with die-cast aluminum housing that has a contemporary brushed nickel-plated finish. Other available finishes are texturized polyester powder coat paint in white, black and dark bronze.

U.S. Patent No. D468,046.

Two 6W wedge-base xenon lamps offer 55 percent more light output than standard incandescent lamps.

Patent-pending reflector/refractor design features superior vac-metalized, die-casted reflectors and multi-faceted, highly transmissive refractor that significantly improve photometrics.

Maintenance-free lead-calcium battery (as a standard). Nickel-cadmium optional.

Dual-voltage input capability (120/277V).

Low-profile, integrated test switch/pilot light located below the lens.

Rigid conduit entry provision on top of the unit.

Remote version available for exterior use. Ideal for exit discharge applications.

Listings

UL Listed. Wet location (EXT) listed. Damp location (PREM, EXT) listed. Cold Weather (EXT) listed. Meets UL 924, NFPA 101, NFPA 70-NEC and OSHA illumination standards.

Ordering Information

Example: **AFN BN PREM**

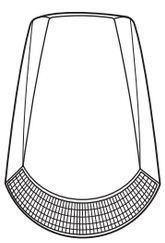
Family	Input voltage	Finish	Option packages
AFN	(blank) 120/277V	**W** White **B** Black **BN** Brushed nickel **DB** Dark bronze[1]	(blank) Features lead-calcium battery **PREM** Features nickel-cadmium battery, self-diagnostics and damp location 0° to 50°C (32° to 122°F) **EXT** Features high-temperature nickel-cadmium battery listed from -18° to 50°C (0° to 122°F), self-diagnostics, damp and wet location

NOTES:

1 Dark bronze can only be ordered with the exterior package. This finish is not available on other units.

For fixture performance charts, see page 459.

Accessories	(Order separately)
ELA AFNR DB	Remote fixture (less batteries and electronics) to be powered by 6V battery equipment as part of an emergency lighting system (listed from -40°C to 60°C)



Width: 6-1/2 (165)
Depth: 2-7/10 (69)
Height: 9-1/2 (241)
Weight: 3.5 lbs. (1.59 kgs.)

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

Electrical Application Data					
	AC Input			Output	Output Watts
Type	Volts	Amps	Watts	Volts	1-1/2 hrs
AFN	120 277	.11 .12	1.1 1.3	6	12
AFN PREM	120 277	.15 .14	1.4 1.4	6	12
AFN EXT	120 277	.23 .25	21 35	6	12

Velaré™

Intended Use

Provides 90 minutes of illumination for the rated wattage upon the loss of AC power. Ideal for applications that require ensconced emergency lighting in wall or ceiling.

Features

Trim and door housing panels are finished in durable white textured powder coated paint. Can be wallpapered or field painted. Trim and panel doors lay flush with mounting surface. No exposed hardware. Low profile recessed test switch and status indicator configuration minimizes exposed interfaces. Rugged, 22 GA galvanized steel box with (3) 3/4″ knock-outs. Galvanized bar hangers span up to 30″ on center.

Two MR16 halogen 12W to 75W lamps are fully adjustable to meet aiming requirements. Lamps are ensconced until activated in the emergency mode.

Sealed, maintenance-free lead-calcium battery with capacity of 24W to 150W for 90 minutes of emergency operation. Optional nickel-cadmium battery. Low voltage disconnect prevents excessive deep discharge that can permanently damage the battery.

Dual voltage input capability (120/277V). Precision-controlled motor and cam system ensures reliable extraction and retraction of light sources. Single, multi-chromatic LED indicator to display two-state charging, test activation and four-state diagnostic status. Standard **self-diagnostic** feature tests the unit for 30 minutes every 28 days without turning lamps on. Provided with an **IR receiver** for remote testing. Requires the ELA RTVEL remote transmitter (see accessories). Selectable 30-second or 90-minute manual testing.

Listings

UL Listed. Meets UL924.



Ordering Information

Example: **VEL1270 H3512 N**

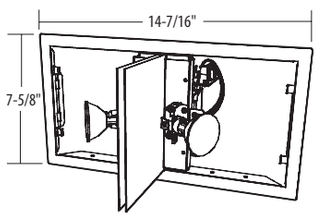
Family	
VEL1224	12V, 24W
VEL1240	12V, 40W
VEL1270	12V, 70W
VEL12100	12V, 100W
VEL12150	12V, 150W

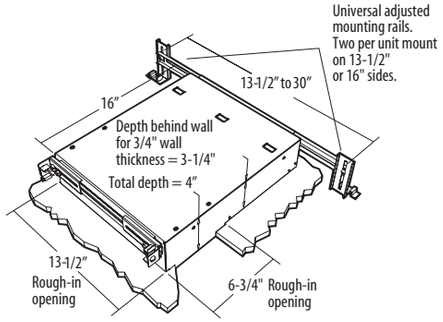
Lamp type[1]	
H1212	12W/12V halogen MR16
H2012	20W/12V halogen MR16
H3512	35W/12V halogen MR16
H5012	50W/12V halogen MR16
H7512	75W/12V halogen MR16

Options	
N	Maintenance-free nickel-cadmium battery
TD	Time delay
LRIS	Less rough-in section[2]

Electrical Application Data					
	AC Input			Output	Output Watts
Type	Volts	Amps	Watts	Volts	1-1/2hr.
	Primary Circuit				
VEL1224	120	.20	30	12	24
	277	.20	30	12	24
VEL1240	120	.20	30	12	40
	277	.20	30	12	40
VEL1270	120	.20	30	12	70
	277	.20	30	12	70
VEL12100	120	.20	30	12	100
	277	.20	30	12	100
VEL12150	120	.20	30	12	150
	277	.20	30	12	150

Accessories	(Order separately)
ELA RTVEL	Remote transmitter with selectable 30-second or 90-minute testing[3].
ELA VEL RIS	VEL rough-in section (supplied standard with fixture unless LRIS suffix is specified) ships with mounting hardware only. Order ELA VEL RIS if needed for rough-in phase of construction.
ELA VEL TSPLP	VEL remote test switch/pilot light.





NOTES:

1 Two lamps provided. Total lamp load cannot exceed the fixture capacity rating.

2 VEL rough-in section ships standard with fixture unless LRIS suffix is specified. Requires ELA VEL RIS accessory for installation.

3 Minimum one per job required.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

VEL1224 (12V, 24W) – 20 lbs.
VEL1240 (12V, 40W) – 20 lbs.
VEL1270 (12V, 70W) – 26 lbs.
VEL12100 (12V, 100W) – 26 lbs.
VEL12150 (12V, 150W) – 32 lbs.

Rough-in opening: 13-1/2 (341) X 6-3/4 (170)
Overlap trim: 14-7/16 (365) X 7-5/8 (193)

www.lithonia.com, keyword: VEL

Power Sentry®



Intended Use

Factory- or field-installed inside or outside (field only) a fluorescent fixture to operate lamp(s) at an initial output of 10% to 95% of rated lamp lumens, providing optimum glare-free illumination for a minimum of 90 minutes upon interruption of normal power.

Features

Mounts concealed within fixture wireway for clean appearance and protection against vandalism.

Reduced-profile footprint fits in the tightest application. Durable thermoplastic/metal housing resists impact, scratches or corrosion.

Sealed, maintenance-free, high-temperature nickel-cadmium batteries.

Patent-pending Quick-Disconnect connector system allows for quick and easy replacements at end of life without re-wiring.

Patents pending. U.S. patent No. 5,814,971.

Listings

UL Listed. Damp location listing available.

Ordering Information

Example: **PS1400QD SD**

PS300QD	Reduced profile, Quick-Disconnect, 300 lumen output
PSQ500QD	Reduced profile, Quick-Disconnect, 15-minute installation, 500 lumen output
PS600QD	Reduced profile, Quick-Disconnect, 600 lumen output
PS1400QD	Reduced profile, Quick-Disconnect, 1400 lumen output

QUICK DISCONNECT

Options

SD	Self-diagnostics[1]
DW	UL Listed for use inside damp or wet location listed fixtures 0-50°C (32-122°F)[2]

Factory installation[3,4]

EL	PS300QD installed[3,4]
EL5	PSQ500QD installed[3,4,5]
EL6	PS600QD installed[3,4,5]
EL61LP	PS600QD one-lamp operation installed[3,4,5]
EL14	PS1400QD installed[3,4,5]
EL141LP	PS1400QD one-lamp operation installed[3,4,5]

NOTES:

1. Self-diagnostics (PSSD) module ships separately. See PSSD spec sheet for details. Not available on PS300QD.
2. Not available with Quick Disconnect wire harness. See below for housing dimensions.
3. To order a factory-installed battery pack, add suffix to fluorescent fixture catalog number.
4. Add DW to factory installed suffix to receive as wet or damp location listed, depending on the fixture. Applies to EL, EL5, EL6, EL14. Example: EL14DW.
5. Add SD to suffix to receive self-diagnostics version. Example: EL5SD. Applies to EL5, EL6 and EL14.

Special voltages/frequencies available; consult factory. For lamp/ballast compatibility, see page 437. For application guidelines and fixture performance data, see pages 454 and 460.

Accessories (Order separately)

PSSD	Field installable self-diagnostic modules for PSQ500 DW, PSQ500QD, PS600 DW, PS600QD, PS1400 DW or PS1400QD
ELA TSPLP	Remote or replacement test switch/pilot light and mounting plate PS300, PS300QD, PSQ500, PSQ500QD, PS600, PS600QD, PS1400 and PS1400QD.
ELA TSPLP SD	Remote or replacement test switch/pilot light and mounting plate for self-diagnostics PSQ500SD, PSQ500QDSD, PS600SD, PS600QDSD, PS1400SD and PS1400QDSD
ELA PSTS	Double-pole, single-throw test switch (no pilot light)
ELA PSMK	External mounting kit
ELA PSMKSD	External mounting kit for self-diagnostics module
ELA PSDMT	External mounting tray

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See page11 for details about LightQuick XD.

Description
PS300QD
PSQ500QD
PS1400QD

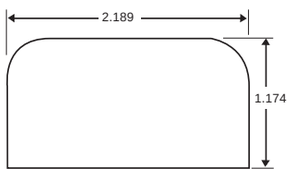
Electrical Application Data

	AC Input		
Type	Volts	Amps	Watts
PS300QD	120/277	.29	2.5
PSQ500QD	120/277	.29	2.5
PS600QD	120/277	.29	3.0
PS1400QD	120/277	.29	3.5

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

PS300QD/PSQ500QD/PS600QD/PS1400QD

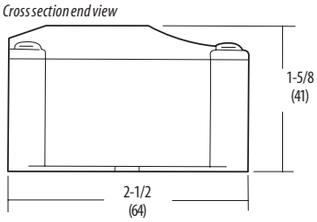
Cross section end view



Length: 13.8 (351) – PS1400QD
Length: 9.5 (241) – all others
Width: 2.19 (59.5)
Height: 1.18 (29.9)
Shipping weight
PS300QD: 1.0 lbs. (0.45 kgs.)
PSQ500QD: 1.0 lbs (0.45 kgs.)
PS600QD: 1.5 lbs (0.68 kgs.)
PS1400QD: 2.0 lbs (0.9 kgs.)

PS300 DW / PSQ500 DW / PS600 DW / PS1400 DW

Cross section end view



Length: 13.8 (351) – PS1400DW
Length: 9.5 (241) – all others
Width: 2.5 (63.5)
Height: 1.675 (41)
Shipping weight
PS300DW: 1.4 lbs. (0.6 kgs.)
PS500DW: 1.0 lbs (0.45 kgs.)
PS600DW: 1.8 lbs (0.8 kgs.)
PS1400DW: 4.0 lbs (2.3 kgs.)

Power Sentry®

Intended Use

Factory- or field-installed on fluorescent downlighting fixtures to operate lamps at an initial light output of 20% to 85% of full lumen rating, providing optimum glare-free illumination for a minimum of 90 minutes upon interruption of normal power.

Features

PSDL1 operates one two-pin 18W or 26W quad-tube compact fluorescent lamp. PSDL1 2LP operates 2 two-pin (13-26W) quad-tube fluorescent lamps.

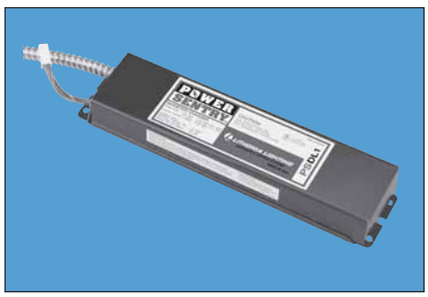
PSDL2 operates one two-pin 7W, 9W or 13W quad-tube compact fluorescent lamp. PSDL3 operates one or two four-pin twin-tube (9-13W), triple-tube (18-42W*), quad-tube (13-26W) or 2D compact fluorescent lamp(s). *42W triple-tube is one lamp only.

Sealed, maintenance-free, high-temperature nickel-cadmium batteries.

Housing is permanently sealed steel enclosure.

Listings

UL Listed. Damp location listing available.



Ordering Information

Example: **PSDL3 SD**

PSDL1	Bi-pin 18-26W quad-tube lamps
PSDL2	Bi-pin 7-13W twin-tube or quad-tube lamps
PSDL3	Four-pin 9-42W quad-tube or triple-tube lamps

Options	
SD	Self-diagnostics[1]
DL	Damp location listed 0-50°C (32-122°F)[1]
2LP	Operates (2) two-pin quad-tube lamps (PSDL1)[2]

Factory installation[3]	
EL	PSDL1/PSDL2/PSDL3 installed, compact fluorescent
ELR	PSDL1/PSDL2/PSDL3 installed, compact fluorescent with remote pilot light/test switch

NOTES:

1 Available on PSDL3. Self-diagnostics (PSSD) module ships separately. See PSSD spec sheet for details.

2 Must specify PSDL1 2LP for two-lamp version. The PSDL3 product may be wired for a 2-lamp operation as a standard feature, see wiring diagrams. 2LP option does not need to be specified for the PSDL3.

3 To order a factory-installed battery pack, add suffix to fluorescent downlighting fixture catalog number. PSDL1/PSDL2/PSDL3 will be determined automatically based on ballast and lamp type. Add 2LP (example: EL2LP) to suffix to specify 2-lamp emergency operation for all 4-pin or 2-pin quad lamps. (Available for Gotham® downlighting and Lithonia downlighting.)

Accessories	(Order separately)
PSSD	Field installable self-diagnostic module for PSDL3
ELA TSPLP	Remote or replacement test switch/mounting plate for PSDL3
ELA PSTS	Double-pole, single-throw test switch (no pilot light)
ELA PSDMT	External mounting tray (PSDL1, PSDL2, PSDL3)
ELA RTS3	Remote test switch and pilot light for PSDL1 2LP

For lamp/ballast compatibility, see page 437.

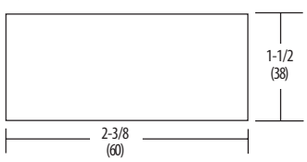
Electrical Application Data			
	AC Input		
Type	Volts	Amps	Watts
PSDL1	120	.275	3.5
	277	.255	3.5
PSDL2	120	.275	3.5
	277	.255	3.5
PSDL3	120	.27	3.3
	277	.25	3.2

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See page11 for details about LightQuick XD.

Description
PSDL3

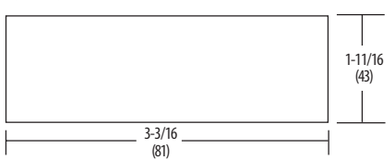
Dimensions are shown in **inches (millimeters)** unless otherwise noted.

PSDL1 and PSDL2
Cross section end view



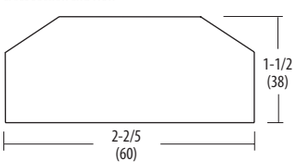
Length: 10-5/8 (270)
Shipping weight: 2.14 lbs. (.9 kgs.)

PSDL3
Cross section end view



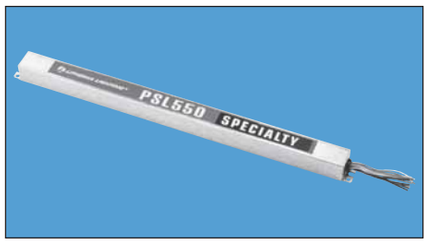
Length: 17-1/8 (435)
Shipping weight: 5.0 lbs. (2.3 kgs.)

PSDL1 2LP
Cross section end view



Length: 12 (304)
Shipping weight: 3.0 lbs. (1.4 kgs.)

Power Sentry®



Intended Use

Factory- or field-installed inside or outside (field only) a fluorescent fixture to operate lamp(s) at an initial output of 10% to 95% of rated lamp lumens, providing optimum glare-free illumination for a minimum of 90 minutes upon interruption of normal power.

Low profile footprint and T5 lamp compatibility make the PSL550 and PSL600 battery pack ideal for use in T5 direct/indirect fixtures.

Features

Sealed, maintenance-free, high-temperature nickel-cadmium batteries.

Housing is 20-gauge steel or permanently sealed steel.

Listings

UL Listed.

Ordering Information

Example: **PSL600**

PSL400	Low-profile, 350-450 lumen output
PSL550	Low-profile, 390-700 lumen output
PS600C	Two-hour emergency operation
PSL600	Low-profile, 725-1325 lumen output
PS3000	Full light output
PS48	Central 48VDC interface

Accessories	(Order separately)
ELA RTS2	Remote test switch and pilot light (PS3000)
ELA RTS3	Remote test switch and pilot light for the PSL400, PSL550, PSL600 and PS600C
ELA PSTS	Double-pole, single-throw test switch (no pilot light)
ELA PSDMT	External mounting tray (PS3000)
ELA PSRME	Remote mounting enclosure

Factory installation [1]	
EL55	PSL550 installed
EL6C	PS600C installed
EL48	PS48 installed
ELSC4	PSL400 installed
EL65	PSL600 installed

NOTES:
1 To order a factory-installed battery pack, add suffix to fluorescent fixture catalog number.
For lamp/ballast compatibility, see page 437.

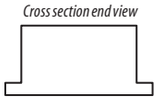
Dimensions are shown in **inches (millimeters)** unless otherwise noted.

PS600C/PS48
Cross section end view



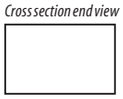
Length: PS600C: 9.4(238)
PS48: 9.4(238)
Width: 2-3/8(60)
Height: PS600C 1.5(38)
PS48: 1.5(38)
Weight: PS600C/PS48: 2.5lbs.(1kg.)

PS3000
Cross section end view



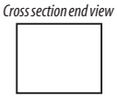
Length: 15-3/8(391)
Width: 5-5/8(143)
Height: 2(51)
Weight: 10.3 lbs. (4.7 kgs.)

PSL400
Cross section end view



Length: 14.1(358)
Width: 1.5(38)
Height: 1.0(25)
Weight: 1.9 lbs. (.9 kgs.)

PSL550
Cross section end view



Length: 18.5(470)
Width: 1.18(300)
Height: 1.15(29.2)
Weight: 2.3 lbs.

PSL600
Cross section end view



Length: 21.5(546.1)
Width: 1.18(30)
Height: 1.18(30)
Weight: 3.3 lbs.

Electrical Application Data			
	AC Input		
Type	Volts	Amps	Watts
PSL400	120	.1	1.5
	277	.1	1.5
PSL550	120	.18	3.2
	277	.18	3.2
PS600C	120	.28	3.5
	277	.28	3.5
PSL600	120	.18	3.0
	277	.18	3.0
PS3000	120	.09	9.6
	277	.04	10.2
PS48	120	.28	3.5
	277	.09	0.5

PSSD



Intended Use

Designed to perform self-diagnostic testing for five minutes every month and thirty minutes every six months. May be factory- or field-installed as part of the test switch/pilot light assembly with the PSQ500 DW, PSQ500QD, PS600 DW, PS600QD, PS1400 DW, PS1400QD and PSDL3.

Features

Single multi-chromatic status indicator and audible beep to display three-state charging, test activation and four-state diagnostic status. Audible beep can be permanently deactivated in the field. Quick connect terminal allows for fast and easy installation.

Accessories	(Order separately)
PSSD	Self-diagnostic module for PSQ500QD, PS600QD, PS1400QD and PSDL3.
PSSD DW	Self-diagnostic module for PSQ500 DW, PS600 DW, PS1400 DW and PSDL3 DW. DW version is UL approved for use in wet and damp location listed fixtures 0°-50° C.
ELA PSMKSD	External mounting kit for self-diagnostics module.

UL Listed Products

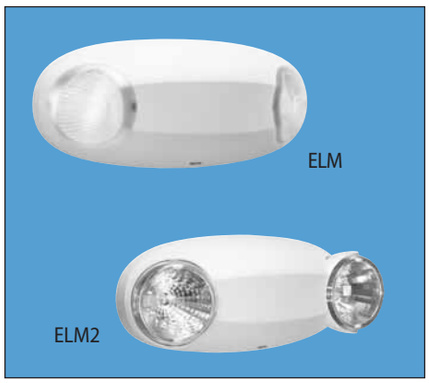
LampType	Wattage	PS300QD	PSQ500QD	PS600QD	PS1400QD	PSL400	PSL550	PSL600	PS600C	PS3000	PS48	PSDL1	PSDL2	PSDL3
Lumens		300	450-550	600-700	1100-1400	350-450	390-700	900-1325	600-700	1500-3000	*	500-950	350-650	580-1048
24"- 48" T5	14-28			1	1		1	1		1				
24"- 48" T5HO	24-54			1	1		1	1		1				
U-Lamp T8	16-32	1	1	1,2	1,2	1				1	1,2			
24"- 48" T8	17-32	1	1	1,2	1,2	1		1	3	1	1,2			
48"- 60" T8	32-40						1	1			1			
48" T8HO	44						1	1						
60"- 96" T8	40-59			1	1					1				
96 HO T8	86			1	1									
Circline T9	20-40	1		1	1					1,2	1			
U-lamp T12	34-40	1	1	1,2	1,2	1				1,2	1,2			
24"- 48" T12	20-40	1	1	1,2	1,2	1			3	1,2	1,2			
60"- 96" T12	50-75			1	1					1	1			
24"- 48" T12HO	35-60			1	1					1	1			
60"- 96" T12HO	70-110			1	1					1	1			
24"- 48" T12VHO	74-115			1	1					1	1			
60"- 96" T12VHO	135-215			1	1					1	1			
PL Twin-Tube (2-Pin)	9-13												1	
PL Quad-Tube (2-Pin)	13-26											1,4		
PL Twin-Tube (4-Pin)	9-13				1						1,2			1
PL Quad-Tube (4-Pin)	13-26				1,2					1	1,2			1,2
Triple-Tube (4-Pin)	18-32				1,2	1				1	1			1,2
Triple-Tube (4-Pin)	42				1						1			1
Long Compact (4-Pin)	18-40	1	1	1		1				1	1,2			
Long Compact (4-Pin)	36-55						1	1			1,2			

NOTES: * Based on the lumen output of the lamp; provides full light output.
1 One-lamp emergency operation for 1, 2, 3 or 4-lamp ballasts.
2 Two-lamp emergency operation for 2, 3 or 4-lamp ballasts.
3 One-lamp, 2-hour emergency operation for 2, 3 or 4-lamp ballasts.
4 2 LP option required for 2-lamp emergency operation in fixtures with two or more lamps.

Quantum®

ELM/ELM2

Quick-Mount®



Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Ideal for applications requiring attractive unit equipment with quick installation.

Features

White, compact, low-profile contemporary design with high-impact thermoplastic housing that is impact-resistant, corrosion-proof and UV-stable to resist discoloration from artificial light sources or sunlight.

Maintenance-free lead-calcium battery.

Two 5.4W wedge-based krypton lamps offer 32 percent more light output than standard incandescent lamps.

Patented MR24, multi-faceted reflector (ELM2) significantly improves photometric performance; 60 to 100 percent more light delivered to the path of egress. Dual-voltage input capability (120/277V). Edge connectors on printed circuit board ensure long-term durability.

Unique track-and-swivel design permits full range of lamp head adjustment (ELM2). Universal J-box mounting pattern. Tool-less access for maintenance. Flexible conduit entry provision on top of the unit.

Quick-Mount® snap-together construction permits installation in three easy steps in less than three minutes.

Vandal-resistant ELA VS polycarbonate shield available.

Wall or ceiling mounted.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options).

Ordering Information

Example: **ELM2 SD**

Family	
ELM	6V,12W
ELM2	6V,12W

Options	
SD	Self-diagnostics[1,2]
B	Black housing[1,2,3]
DL	Damp location[1,3]
CSR	8-foot cordset attached (120V ELM only)[1,4]
CSA	CSA Certified[5]
NOM	NOM Certified[1,2]

Accessories	(Order separately)
ELA VS	Polycarbonate vandal shield
ELA WGST	Wireguard

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
ELM
ELM2

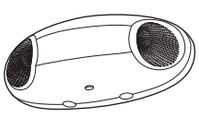
Type	SD[1,2]	B[1,2,3]	DL[1,3]	CSR[1,4]	CSA[5]	NOM[1,2]	Lamp Number	Watt/ Lamp
ELM			■	■	■		K0606	5.4
ELM2	■	■	■		■	■	MR24 K0606	5.4

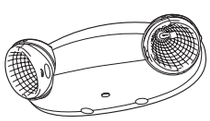
■ Option available
(blank) Option not available

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (millimeters)** unless otherwise noted.

ELM
Width: 11-1/2(292)
Depth: 3-3/4(95.25)
Height: 5(127)
Weight: 3.0 lbs. (1.4 kgs.)

ELM2
Width: 12-1/2(317)
Depth: 3-3/4(95.25)
Height: 5(127)
Weight: 4.0 lbs. (1.8 kgs.)

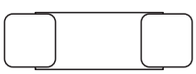




ELM CSA
Width: 11-3/4(298)
Depth: 2-3/8(60)
Height: 5(127)
Weight: 3.0 lbs. (1.4 kgs.)

ELM2 CSA
Width: 16-1/4(412)
Depth: 4(102)
Height: 5-1/8(130)
Weight: 4.0 lbs. (1.8 kgs.)





Electrical Application Data								
	AC Input			Output	Output Watts			
Type	Volts	Amps	Watts	Volts	1-1/2 hrs	2 hrs	3 hrs	4 hrs
ELM	120 277	.11 .12	1.2 1.5	6	12	—	—	—
ELM2	120 277	.11 .12	1.2 1.5	6	12	—	—	—

ELM/ELM2 Quick-Mount® Installation:

1) Feed leads through mounting plate and make connections to AC power supply.
2) Align mounting plate on J-box and secure with screws.
3) Connect battery and snap housing onto mounting plate.

NOTES:
1 Not available with CSA option.
2 Available on ELM2 only.
3 Black ELM2 not available with damp location option.
4 Available on ELM only.
5 See CSA diagram for special housing dimensions.

For additional lamp heads, remote fixtures, options and accessories, see pages 449-451.
For application guidelines and fixture performance data, see pages 455 and 458.

Quantum®

ELM 6-12

Quick-Mount®



Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Ideal for applications requiring attractive unit equipment with quick installation.

Features

White, compact, low-profile contemporary design with high-impact thermoplastic housing that is impact-resistant, corrosion-proof, UV-stable to resist discoloration from artificial light sources or sunlight.

Maintenance-free lead-calcium battery (standard).

Two 9W wedge-based krypton lamps offer 48 percent more light output than standard incandescent lamps.

Patented MR24, multi-faceted reflector significantly improves photometric performance; 60 to 100 percent more light delivered to the path of egress. **Universal voltage input capability (120 through 277V, 50 or 60 Hz).**

Unique track-and-swivel design permits full range of lamp head adjustment. Universal J-box mounting pattern. Tool-less access for maintenance. Flexible conduit entry provision on top of the unit.

Patent pending Quick-Mount® features simplify installation.

Vandal-resistant ELA VS2 polycarbonate shield available.

Wall or ceiling bracket included as a standard feature. Quantum® Series ELM6-12 will power a variety of remote devices up to rated wattage of fixture.

Listings

UL Listed. NOM Certified (see Options).

Ordering Information

Example: **ELM654 H2006 SD**

Family

ELM618	6V,18W
ELM627	6V,27W
ELM654	6V,54W
ELM1254	12V,54W
ELM1272	12V,72W

Lamp type

6-volt MR24 composite

(blank)	9W/6V krypton[1]
H1206	12W/6V halogen[2]
H2006	20W/6V halogen[3]

12-volt MR24 composite[4]

(blank)	9W/12V krypton
H1212	12W/12V halogen
H2012	20W/12V halogen

Options

SD	Self-diagnostics[5]
B	Black housing[6]
N	Maintenance-free ni-cad battery[7]
TD	Time delay[5]
RT	Remote test[8]
RO	Less heads[9]
DL	Damp Locations[7,10] -10° to 40°C (50° to 140°F)
NOM	NOM Certified[11]

Accessories (Order separately)

ELA LRT	Remote tester (laser)
ELA VS2	Polycarbonate vandal shield (1/8" thick)
ELA WG2M	Wireguard
ELA MR24	Compact MR24 remote lamp head
	ELA MR24 K0606 (5.4W,6V krypton)
	ELA MR24 K0906 (9W,6V krypton)
	ELA MR24 H1206 (12W,6V halogen)
	ELA MR24 K0912 (9W,12V krypton)
	ELA MR24 H1212 (12W,12V halogen)
	ELA MR24 H2006 (20W,6V halogen)
	ELA MR24 H2012 (20W,12V halogen)

Type	Hsg. Size	SD[5]	B[6]	N[7]	TD[5]	RT[8]	RO[9]	DL[7,10]	NOM[11]	Lamp Number	Watt/ Lamp
ELM618	S	■		■	■		■	■	■	MR24 K0906	9
ELM627	S	■	■	■	■	■	■	■		MR24 K0906	9
ELM654	L	■			■		■			MR24 K0906	9
ELM1254	L	■		■	■		■	■	■	MR24 K0912	9
ELM1272	L	■	■		■	■	■			MR24 K0912	9

■ Option available
(blank) Option not available

NOTES:
1 Available on ELM618, ELM627 and ELM654 only.
2 Available on ELM627 and ELM654 only.
3 Available on ELM654 only.
4 Available on ELM1254 and ELM1272 only.
5 When ordering ELM618 and ELM1254, SD and TD must be ordered with the N option.
6 Available on ELM627 and ELM1272 only.
7 Available on ELM618, ELM627 and ELM1254 only.
8 RT not available with SD. When ordering RT, an ELA LRT needs to be ordered.
9 Not available with any other options.
10 Damp location listed from 10°C to 40°C (50° to 104°F) except ELM618N, ELM627N and ELM1254N listed from 15°C to 32°C (60° to 90°F).
11 NOM available with ELM618 and ELM1254 only (not available with any other option).

For additional lamp heads, remote fixtures, options and accessories, see pages 449-451.
For application guidelines and fixture performance data, see pages 455 and 458.

Electrical Application Data

Type	AC Input Volts	AC Input Amps	AC Input Watts	Output Volts	Output Watts 1½ hrs	Output Watts 2 hrs	Output Watts 3 hrs	Output Watts 4 hrs
ELM618	120 277	.167 .072	5.2 5.6	6	18	13.5	9	3
ELM627	120 277	.10 .04	5.6 7.4	6	27	20	13.5	10
ELM654	120 277	.250 .108	7.4 7.4	6	54	40.5	27	20
ELM1254	120 277	.250 .108	11.0 11.1	12	54	40.5	27	20
ELM1272	120 277	.250 .108	11.0 11.1	12	72	54	36	27

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See page11 for details about LightQuick XD.

Description
ELM618
ELM627
ELM1254

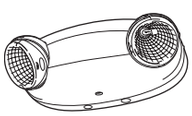
ELM6-12 Quick-Mount® Installation:
1) Feed leads through mounting plate and make connections to AC power supply.
2) Align mounting plate on J-box and secure with screws.
3) Snap housing onto mounting plate.

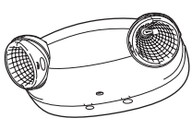
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (millimeters)** unless otherwise noted.

ELM618
Width: 12.79"(324)
Depth: 4.73"(120)
Height: 7.01"(178)
Weight: 6.8 lbs. (3.1 kgs.)

ELM627
Width: 12.79"(324)
Depth: 4.73"(120)
Height: 7.01"(178)
Weight: 8.0 lbs. (3.6 kgs.)

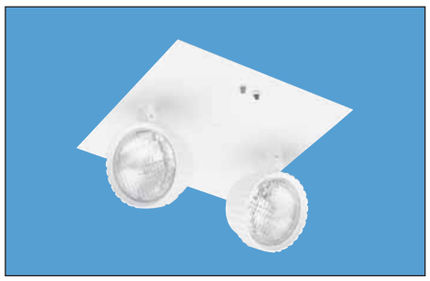
ELM654, ELM1254 & EL1272
Width: 12.79"(324)
Depth: 5.82"(148)
Height: 7.01"(178)
Weight: 13.0 lbs. (5.9 kgs.)


ELM618 and ELM627


ELM654, ELM1254 and ELM1272

Recessed Emergency Lighting Units

ELR



Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Ideal for applications that require attractive unit equipment or when wall mounting is undesirable.

Features

Heavy-duty recessed housing suitable for use in air-handling plenums.

PAR36 lamp heads standard; compact designer square lamp heads optional.

Sealed, maintenance-free battery (lead-calcium standard, nickel-cadmium optional) provides capacity for 90 minutes of emergency illumination.

Sturdy T-bar clips secure unit to grid members.

Adjustable bar hangers for easy mounting in walls and exposed or concealed suspended ceilings.

Listings

UL Listed. NOM Certified (see Options).

Ordering Information

Example: **ELR2 CDS**

Options	
SD	Self diagnostic (ELR4 only)
N	Maintenance-free nickel-cadmium batteries
R0	Less lamp heads
H	6V/8W or 12V/8W halogen lamps
CDS	Compact designer square lamp heads
N1812	18W/12V incandescent lamps
N2512	25W/12V incandescent lamps
H1212	12W/12V incandescent lamps
TD	Time delay (12V only)
NOM	NOM Certified

	Options										Standard Lamp	
Type	SD	N	R0	H	CDS	N1812	N2512	H1212	TD	NOM	Catalog Number	Watts/ Lamp
ELR2		■	■	■	■					■	N0806	8
ELR2P N		❑	■	■	■					■	N0806	8
ELR4	■		■	■	■	■	■	■	■	■	N1212	12

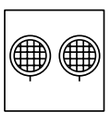
❑ Standard
■ Option available
(blank) Option not available

Special voltages/frequencies available; consult factory.
For additional lamp heads, remote fixtures, options and accessories, see pages 450-451.
For spacing guidelines, see page 455.

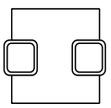
Electrical Application Data								
	AC Input			Output	Output Watts			
	Volts	Amps	Watts	Volts	1-1/2 hrs	2 hrs	3 hrs	4 hrs
ELR2	120	.167	20	6	16	12	8	6
	277	.072	20					
ELR2P N	120	.167	20	6	24	18	12	9
	277	.072	20					
ELR4	120	.250	30	12	50	37	25	18
	277	.108	30					

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

PAR36
Length: 11-15/16(303)
Width: 11-15/16(303)
Depth: 5-7/8 (149) below ceiling plane
Weight: (ELR2) 16 lbs. (7.3 kgs.)
(ELR4) 22.5 lbs. (10.2 kgs.)



Compact Designer Square
Length: 11-15/16(303)
Width: 13-3/8(340)
Depth: 2-3/4 (70) below ceiling plane
Weight: (ELR2 CDS) 15 lbs. (6.8 kgs.)
(ELR4 CDS) 22.5 lbs. (10.2 kgs.)



Recessed Gimbal Emergency Lighting Unit

ELRG



Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Ideal for applications requiring unobtrusive emergency lighting.

Features

Matte white, baked enamel finish. All-metal housing and gimbal assembly.

High-output, 8W halogen lamp. Lamp adjusts in two planes to 26°.

Low-profile pilot light and test switch.

Approved for use in air-handling plenums.

Maintenance-free lead-calcium battery.

Mounts in 6" diameter opening.

Listings

UL Listed. NOM Certified units available (consult factory).

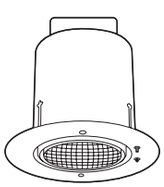
Ordering Information

Example: **ELRG**

ELRG 6V, self-contained recessed gimbal

Electrical Application Data			
	AC Input		
Type	Volts	Amps	Watts
ELRG	120	.052	5.8
	277	.023	5.9

Dimensions are shown in **inches (millimeters)** unless otherwise noted.



Length: 8-3/8(213)
Width: 8-3/8(213)
Depth: 8-1/4(210)
Weight: 6.5 lbs. (3 kgs.)

ELSQ

Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Ideal for applications requiring unobtrusive emergency lighting. Available flushed, semi-recessed or recessed.

Features

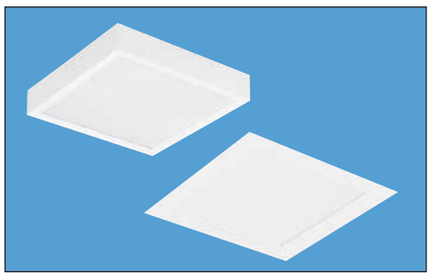
Maintenance-free lead-calcium (standard) or nickel-cadmium (optional) battery.

Push-to-test switch and "ready" light behind lens.

10W or two 8W (with 2L option) halogen lamp provides high lumen output.

Listings

UL Listed. NOM Certified (see Options).



Ordering Information

Example: **ELSQ N LEX**

Options	
N	Maintenance-free nickel-cadmium batteries
AM	Ammeter[1]
VM	Voltmeter[1]
CS	3-foot cordset (120V only)
LEX	Polycarbonate lens (standard with 2L option)
2L	Two 8 watt lamps with Lexan lens and high charge indicator (ELSQM only)[2]
NOM	NOM Certified

	Option Suffixes							Standard Lamp	
Type	NOM	N	AM	VM	CS	2L	LEX	Catalog Number	Watts/ Lamps
ELSQ	■	■	■[1]	■[1]	■		■	787	10
ELSQM	■	■[2]	■[1]	■[1]	■	■[2]	■	787	10

■ Option available
(blank) Option not available

NOTES:
1 Choice of VM or AM. Not available with both.
2 2L option is UL Listed for a two-hour run time. Not available with nickel-cadmium option.

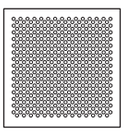
For additional lamp heads, remote fixtures, options and accessories, see pages 450-451.

Accessories		(Order separately)	
RECESSING KITS		Fixture	Compatibility
		ELSQ	ELA SQR 6V
		ELSQM	ELA SQR 12V
ELA SRK	Semi-recessed	■	■
ELA FRK	Fully-recessed	■	■

Electrical Application Data							
	AC Input			Output	Output Watts		
Type	Volts	Amps	Watts	Volts	1-1/2 hrs	2 hrs	3 hrs
ELSQ	120	.167	20	6	10	—	—
	277	.072	20				
ELSQM	120	.167	20	6	20	16	10
	277	.072	20				

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

Length: 10-5/16(262)
Width: 10-5/16(262)
Depth: 3-7/16(87)
Weight: 5 lbs. (2.3 kgs.) ELSQ
7 lbs. (3.2 kgs.) ELSQM



ELCC

Intended Use

Provides a minimum of 90 minutes of illumination for 12 watts upon loss of AC power. Designed for environments requiring decorative emergency lighting fixtures.

Features

Black 16-gauge steel backplate and housing.

Contemporary white cylinder shroud with UV-stabilized high-temperature plastic optical lens.

Sturdy, adjustable cast-aluminum swivel.

One 8W halogen wedge-base lamp (single) or two 6W halogen wedge-base lamps (twin).

Wall or ceiling mount.

Dual-voltage input (120V/277V).

Sealed, maintenance-free lead-calcium battery provides 12W rated capacity.

Listings

UL Listed.



Ordering Information

Example: **ELCC T 120/277**

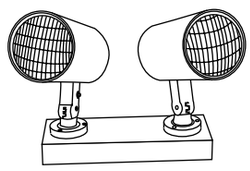
ELCC 120/277	Single lamp head cylinder emergency light
ELCC T 120/277	Twin lamp head cylinder emergency light

Electrical Application Data					
	AC Input			Output	Output Watts
Type	Volts	Amps	Watts	Volts	1-1/2hrs
ELCC/ELCC T	120	.052	5.8	6	12
	277	.023	5.9		

Drawings for dimensional detail only. May not represent actual mechanical configuration. Dimensions are shown in **inches (millimeters)** unless otherwise noted.



ELCC
Width: 6-1/2(165)
Depth: 13(330)
Height: 6-1/2(165)
Weight: 9 lbs. (4.1 kgs.)



ELCC T (twin lamps)
Width: 13-1/4(337)
Depth: 13(330)
Height: 6-1/2(165)
Weight: 14 lbs. (6.6 kgs.)

www.lithonia.com, keywords: ELSQ and ELCC

Indura®



Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Unique, innovative design for a variety of light and heavy industrial applications and heavy commercial environments. Superior-performance lamp heads are ideally suited for higher mounting heights. Perfect for pole and column mounting.

Features

Rugged blue and gray (standard colors) .140" thick, injection-molded thermoplastic.

Vertical orientation is designed especially for pole or column mounting. Also suitable for wall and I-beam mounting. Ceiling and pendant mounting, with accessory equipment, available on selected models.

Easy-mount installation with one galvanized, 12-gauge steel mounting bracket shipped standard. Conduit entry points are located on top and both sides of the unit. Maintenance is made easy by tool-less re-lamp, single tool entry, hinging front cover, printed circuit board mounting shelf and battery belt.

Sealed maintenance-free, lead-calcium battery with wattage capacities from 18 to 450W for 90 minutes of emergency operation. Available in 6, 12 and 24V.

Dual-voltage input (120/277V). U.S. Patent No. D419,097, 6,135,624 and 6,193,395.

Listings

UL Listed. Damp location listing. Cold weather (ULT) listing. Meets UL 924, NFPA 101, NEC and OSHA illumination standards. NOM Certified units available (consult factory).

Ordering Information

Example: **IND1254 H1212 SEL**

Family

6 volts	
IND618	18W
IND654	54W
IND6100	100W
12 volts	
IND1236	36W
IND1254	54W
IND12100	100W
IND12150	150W
IND12300	300W
IND12450	450W
24 volts	
IND24100	100W
IND24450	450W

Housing color

(blank) Navy back, gray front
W White

Voltage[5]

(blank) 120/277

Lamp type

6 volts
PAR36 composite
(blank) 9W/6V krypton
H1206 12W/6V halogen
H2006 20W/6V halogen

12 volts
PAR36 composite
(blank) 9W/12V krypton
H1212 12W/12V halogen
H2012 20W/12V halogen

12 volts (cont'd)
PAR36 sealed-beam
H3512S 35W/12V halogen
H5012S 50W/12V halogen

24 volts
PAR36 composite
(blank) 18W/24V incand.
H2024 20W/24V halogen
PAR36 sealed-beam
N5024S 50W/24V incand.

Option packages

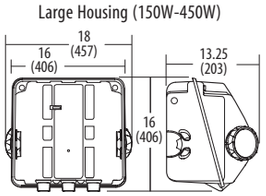
(blank) Damp location 10°C to 40°C (50° F to 103°F); except IND6100 and IND24450, listed 15°C to 32°C (60°F to 90°F).
XTRA Extra package features remote test, time delay and damp location 10°C to 40°C (50° F to 104°F).[1]
SEL Select package features self-diagnostics, time delay, audible failure indication and damp location 10°C to 40°C (50° F to 104°F).
PREM Premium package features high temperature ni-cad battery (IND618 and IND1236 only) or high ambient lead calcium battery (IND12100 only), self diagnostics, time delay, audible failure indication and damp location. UL Listed for 0°C to 55°C (32°F to 131°F).[2,4]
ULT Ultimate package features heater, thermostat and battery blanket with a high temperature ni-cad battery (IND618 and IND1236 only) or a high-ambient lead-calcium battery (IND12100 only), self diagnostics, time delay, audible failure indication and damp location. UL Listed for -40°C to 55°C (-40°F to 131°F).[2,4]

NOTES:
1 Must order a remote transmitter (ELA RTT). One per job required.
2 Only available on IND618, IND1236 and IND12100.
3 ELA IND PM accessory cannot be used with the IND 12100 PREM or IND12100 ULT.
4 IND12100 PREM and IND12100 ULT come in a larger housing size.
5 Special voltages/frequencies available; consult factory.

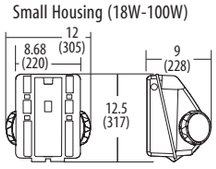
For spacing and performance guide lines, please see page 459.

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

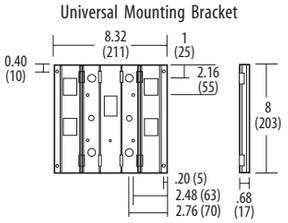
Large Housing (150W-450W)



Small Housing (18W-100W)



Universal Mounting Bracket



Electrical Application Data

Type	AC Input Volts	AC Input Amps	AC Input Watts	Output Volts	Output Watts 1-1/2hr.	Output Watts 2hr.	Output Watts 3hrs.	Output Watts 4hrs.
Primary Circuit								
IND618	120	.163	19.6	6	**18**	13.5	9	6
	277	.069	19.11	6	**18**	13.5	9	6
IND654	120	.172	20.64	6	**54**	40	27	20
	277	.075	20.78	6	**54**	40	27	20
IND6100	120	.171	20.5	6	**100**	75	50	37
	277	.064	17.7	6	**100**	75	50	37
IND1236	120	.174	20.9	12	**36**	27	18	13
	277	.078	21.61	12	**36**	27	18	13
IND1254	120	.174	20.88	12	**54**	40	27	20
	277	.078	21.6	12	**54**	40	27	20
IND12100	120	.174	20.88	12	**100**	75	50	37
	277	.074	20.49	12	**100**	75	50	37
IND12150	120	.359	43.08	12	**150**	112	75	56
	277	.168	46.54	12	**150**	112	75	56
IND12300	120	.290	34.8	12	**300**	225	150	112
	277	.130	36.1	12	**300**	225	150	112
IND12450	120	.33	39.96	12	**450**	337	225	168
	277	.15	43.77	12	**450**	337	225	168
IND24100	120	.33	39.6	24	**100**	75	50	37
	277	.15	41.55	24	**100**	75	50	37
IND24450	120	.773	92.76	24	**450**	337	225	168
	277	.327	90.58	24	**450**	337	225	168

Accessories (Order separately)

ELA RTT	Remote transmitter
ELA WG2M	Small wireguard (18W-100W)
ELA BS	Banding strap
ELA IND R3	Pre-pack to install third head
ELA IND PM	Pendant mount kit[3]
ELA IND CM1	Ceiling mount kit for IND618
ELA IND CM2	Ceiling mount kit for IND354/1236/1254
ELA IND CM3	Ceiling mount kit for IND6100
ELA IND RH3	Remote head bracket for surface mount j-boxes
ELA WGLG	Large wireguard (150-450W)

INDX



Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Unique design for heavy and demanding industrial applications such as manufacturing plants, refineries, chemical plants, wastewater treatment facilities, food processing facilities, breweries, loading docks and other applications subject to hosedown or industrial conditions. Superior-performance lamp heads are ideally suited for higher mounting heights. Perfect for pole and column mounting.

Features

Rugged, heavy-duty polycarbonate housing is sealed, gasketed and corrosion resistant.

Vertical orientation – designed especially for pole or column mounting. Also suitable for wall and I-beam mounting.

Easy-mount installation with one epoxy-coated galvanized, 12-gauge steel mounting bracket shipped standard. Conduit entry points are located on top and both sides of the unit. Maintenance is made easy by tool-less re-lamp, single tool entry, hinging front cover, printed circuit board mounting shelf and battery belt.

Sealed maintenance-free, lead-calcium battery with wattage capacities from 18 to 125W for 90 minutes of emergency operation. Available in 6, 12 and 24V.

Dual-voltage input (120/277V). U.S. Patent No. D419,097, 6,135,624 and 6,193,395.

Listings

UL Listed. Cold weather (ULT) listing. Meets UL 924, NFPA 101, NEC and OSHA illumination standards. NOM Certified units available (consult factory). NEMA 4; 4X Rated. IP66 and NSF listed.

Ordering Information

Example: **INDX12100 H1212 ULT**

Family

6 volts	
INDX618	18W
INDX654	54W
INDX6100	100W
12 volts	
INDX1236	36W
INDX1254	54W
INDX12100	100W[1]
INDX12125	125W
24 volts	
INDX24100	100W

Housing color

(blank)	Gray
W	White

Lamp type (2 heads)

6 volts	
PAR36 composite	
(blank)	9W/6V krypton
H1206	12W/6V halogen
H2006	20W/6V halogen
12 volts	
PAR36 composite	
(blank)	9W/12V krypton
H1212	12W/12V halogen
H2012	20W/12V halogen
12 volts (cont'd)	
PAR36 sealed-beam	
H3512S	35W/12V halogen
H5012S	50W/12V halogen
24 volts	
PAR36 composite	
(blank)	18W/24V incand.
H2024	20W/24V halogen
PAR36 sealed-beam	
N5024S	50W/24V incand.

Option packages

(blank)	UL Listed to 4X standards.
XTRA	Extra package features remote test and time delay. UL Listed for 10°C to 40°C (50°F to 104°F).[2]
SEL	Select package features self diagnostics, time delay and audible failure indicator. UL Listed for 10°C to 40°C (50°F to 104°F).
PREM	Premium package features high temperature nickel-cadmium battery (INDX618 or INDX1236 only) or high ambient lead-calcium battery (INDX12100 only), self-diagnostics, time delay and audible failure indication. UL Listed for 10°C to 55°C (32°F to 131°F).[3]
ULT	Ultimate package features heater, thermostat and battery blanket with a high temperature nickel-cadmium battery (INDX618 or INDX1236 only) or high ambient lead-calcium battery (INDX12100 only), self-diagnostics, time delay and audible failure indication. UL Listed for -40°C to 55°C (-40°F to 131°F).[3]

Electrical Application Data

Type	Volts	AC Input Amps	Output Watts	Output Volts	Output Watts 1-1/2hr.	2hr.	3hrs.	4hrs.
			Primary Circuit					
INDX618	120	.093	19.56	6	**18**	13.5	9	6
	277	.41	19.11	6	**18**	13.5	9	6
INDX654	120	.171	20.64	6	**54**	40	27	20
	277	.073	20.78	6	**54**	40	27	20
INDX6100	120	.144	20.52	6	**100**	75	50	37.5
	277	.062	20.22	6	**100**	75	50	37.5
INDX1236	120	.174	18.24	12	**36**	27	18	13
	277	.078	17.73	12	**36**	27	18	13
INDX1254	120	.174	20.88	12	**54**	40	27	20
	277	.078	21.61	12	**54**	40	27	20
INDX12100[1]	120	.160	20.88	12	**100**	75	50	37.5
	277	.072	20.55	12	**100**	75	50	37.5
INDX12125	120	.160	20.88	12	**125**	93	62	46
	277	.072	20.55	12	**125**	93	62	46
INDX24100	120	.33	39.6	24	**100**	75	50	37
	277	.15	41.55	24	**100**	75	50	37

Accessories (Order separately)

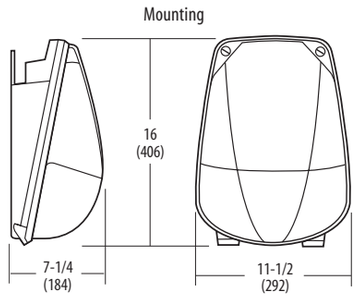
ELA RTT	Remote test trasmitter[2] (for use with XTRA package, remote testing option.
ELA BS	Banding strap
ELA INDX CM2	Ceiling mount kit for INDX654/1236/1254
ELA WG4/8	Wireguard

NOTES:
1. INDX12100 available with either the PREM or ULT package only.
2. Must order a remote transmitter (ELA RTT). One per job required.
3. Only available on INDX618, INDX1236 or INDX12100.

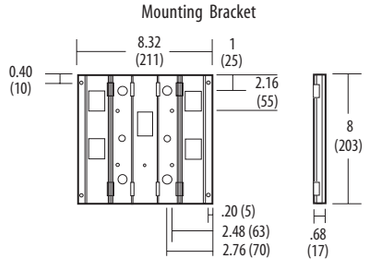
For spacing and performance guide lines, please see page 459.

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

Mounting



Mounting Bracket



www.lithonia.com, keyword: INDX

LITHONIA LIGHTING

Power Sentry® General Spacing Guidelines

	2X2										2X4										Turret	
	2GT8 2 U316		2SP8 2 U316		2AV 2 CF40		2PM3N 2 U316		2PM0 2 U31		2GT8 3 32		2SP8 3 32		2AV3 3 32		2PM3N3 3 32		2PMO3 3 32		industrials AF 2 96	
	1FC		1FC		1FC		1FC		1FC		1FC		1FC		1FC		1FC		1FC		1FC	
Type	Avg	Min	Avg	Min	Avg	Min	Avg	Min	Avg	Min	Avg	Min	Avg	Min	Avg	Min	Avg	Min	Avg	Min	Avg	Min
Corridor																						
PS300QD	18	14	20	14	14	12	17	14	17	13	20	16	24	16	18	14	21	16	21	16	--	--
PSQ500QD	32	18	31	18	24	17	27	18	27	16	32	22	35	22	28	20	32	22	32	19	--	--
PS600QD	39	21	40	20	29	21	35	20	28	17	40	25	43	24	34	25	40	25	40	20	--	--
PS1400QD	58	29	54	30	53	29	48	29	42	21	47	31	57	25	59	32	53	31	43[1]	25	--	--
Open Office																						
PS300QD	16	13	16	13	14	12	14	12	14	12	16	13	16	14	13	11	17	14	18	14	--	--
PS500QD	26	17	27	17	24	16	24	17	23	17	26	17	29	17	21	15	27	18	29	17	--	--
PS600QD	32	19	33	18	29	18	29	16	28	19	32	18	35	19	26	17	34	20	35	18	--	--
PS1400QD	26[1]	25	47	24	47	26	38	22	26[1]	22	47	24	47	24	47	25	45	27	33[1]	22	--	--
Industrial																						
PS1400QD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25	23

NOTES:

1 Limited spacing due to 40:1 max to min ratio requirement by NFPA 101.

All spacings are intended to be guidelines. Results will vary if application deviates from dimensions or assumptions stated below.

Meets Life Safety Code® standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes a 1.0 FC minimum requirement. Assumes 3 T8 lamps in each fixture, 6' wide path of egress, and a 9' ceiling height (exception: 18' ceiling on industrials).

Assumptions to arrive at these spacings: Open office dimensions/reflectances: 100'L x 80'W x m9'H with 80/50/20 reflectances. Corridor dimensions/reflectances: 100'L x 8'W x 9'H with 80/50/20 reflectances. Industrial dimensions/reflectances: 200'L x 200W x 18H with 10/10/10 reflectances.

General Spacing Guidelines for Sealed-Beam and Composite Lamps

Catalog Number	Volts	Watts	Type	Lumens	Lamp #	Beam H x V	Fixture Spacing 7.5' mounting height 1 FC Avg.	7.5' 1 FC Min.	12' mounting height 1 FC Avg.	12' 1 FC Min.	14' mounting height 1 FC Avg.	14' 1 FC Min.	16' mounting height 1 FC Avg.	16' 1 FC Min.	18' mounting height 1FC Avg.	18' 1 FC Min.	20' mounting height 1FC Avg.	20' 1 FC Min.	25' mounting height 1 FC Avg.	25' 1FC Min.
Sealed Beam Lamps																				
N0806S	6	8	Incandescent	54	7613-1	30 x 20	20	—	—	—	—	—	—	—	—	—	—	—	—	—
N1206S	6	12	Incandescent	177	4042	45 x 20	20	—	22	—	20	—	18	—	17	—	15	—	—	—
N1806S	6	18	Incandescent	184	4014	50 x 25	25	—	23	—	23	—	22	—	20	—	20	—	18	—
N2506S	6	25	Incandescent	395	4510	80 x 20	25	—	38	—	38	—	36	—	34	—	32	—	27	—
N1212S	12	12	Incandescent	177	4044-1	50 x 25	25	—	20	—	19	—	19	—	16	—	15	—	—	—
N1812S	12	18	Incandescent	184	4414	50 x 25	25	—	23	—	23	—	22	—	20	—	20	—	18	—
N2512S	12	25	Incandescent	238	4446	80 x 30	32	—	20	—	19	—	18	—	16	—	15	—	—	—
N3512S	12	35	Incandescent	350	4411-1	Trapezoid	—	—	46	—	46	—	46	—	46	16	44	17	38	20
N5012S	12	50	Incandescent	200	50PAR36NSP	Spot	—	—	32	—	32	—	32	—	32	—	32	16	32	17
N5024S	24	50	Incandescent	420	4504	11 x 5	—	—	65	—	60	—	60	—	55	—	55	—	55	—
H0606S	6	6	Halogen	110	H7556	30 x 20	—	—	28	—	26	—	26	15	24	16	22	16	20	15
H0806S	6	8	Halogen	150	H7551	30 x 20	25	—	16	—	16	—	15	—	—	—	—	—	—	—
H1206S	6	12	Halogen	263	H7553	30 x 20	28	—	28	—	26	—	26	15	24	16	22	16	20	15
H2006S	6	20	Halogen	400	H7554	30 x 20	—	—	46	—	46	—	46	—	46	—	42	—	40	16
H0812S	12	8	Halogen	150	H7555	30 x 20	25	—	16	—	16	—	15	—	—	—	—	—	—	—
H1212S	12	12	Halogen	263	H7557	30 x 20	37	—	28	—	27	—	26	16	24	16	23	16	20	16
H3512S	12	37.5	Halogen	706	H7600	9 x 4.5	—	—	75	—	70	—	70	—	70	—	70	—	70	—
H5012S	12	50	Halogen	940	H7604	7 x 5	—	—	80	—	80	—	80	—	80	—	80	—	80	—

Assumptions: Meets Life Safety Code® standard minimum illuminance of 0.1FC , average illuminance of 1.0 FC, and 40:1 maximum/minimum ratio. Assumes 6' wide path of egress in 15' wide aisle of 200X200', open warehouse with reflectances of 10/10/10.

For Indura® spacing guidelines, see page 456.

Catalog Number	Volts	Watts	Type	Lumens	Fixture Spacing 7.5' mounting height	10' mounting height	16' mounting height
Quantum® Composite Lamps							
CDS N0606	6	6	Incandescent	68	CF		
CDS N0806	6	8	Incandescent	100	11'		
CDS N0906	6	9	Incandescent	150	20'		
CDS N0912	12	9	Incandescent	138	17'		
CDS N1212	12	12	Incandescent	151	18'		
CDS H0606	6	6	Halogen	113	15'		
CDS H0806	6	8	Halogen	163	19'		
CDS H0812	12	8	Halogen	163	15'		
CDS H1212	12	12	Halogen	276	25'		
MR24 Composite Lamps							
MR24 K0606	6	6	Krypton	90	25	–	–
MR24 K0906	6	9	Krypton	180	25	31	27
MR24 K0912	12	9	Krypton	190	25	33	29
MR24 H1206	6	12	Halogen	238	–	29	22
MR24 H1212	12	12	Halogen	276	–	31	39
MR24 H2006	6	20	Halogen	418	–	35	52
MR24 H2012	12	20	Halogen	317	–	43	38

NOTE: All spacings are intended as guidelines. Results will vary if application deviates from dimension or assumptions state below.

Assumptions: Meets Life Safety Code® standard minimum illuminance of 0.1FC , average illuminance of 1.0 FC, and 40:1 maximum/minimum ratio. Assumes open space with no obstructions, 9' ceiling height, 3' wide path of egress, and reflectances of 80/50/20.

General Spacing Guidelines for Indura® and Indura® 4X Lamps

						Fixture Spacing[1]											
						12′ mounting height		14′ mounting height		16′ mounting height		18′ mounting height		20′ mounting height		24′ mounting height	
Catalog Number	Volts	Watts	Type	Lumens	Beam	1 FC		1 FC		1 FC		1 FC		1 FC		1 FC	
						Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.
Indura® Composite Lamps																	
K0906	6	9	Kryp.	180	Medium	26	–	26	–	23	–	20	–	20	–	10	–
K0912	12	9	Kryp.	190	Medium	24	–	24	–	22	–	22	–	22	–	20	–
N1824	24	18	Inc.	289	Flood	36	–	36	–	34	–	34	15	32	15	28	15
H1206	6	12	Hal.	238	Spot	32	–	32	–	32	–	30	–	30	–	28	–
					Medium	28	16	28	16	26	16	24	18	22	18	20	15
					Flood	17	–	16	–	15	–	–	–	–	–	–	–
H2006	6	20	Hal.	402	Spot	46	16	46	16	45	16	43	16	41	16	39	16
					Medium	35	22	34	24	33	24	31	23	29	22	24	18
					Flood	22	15	21	15	20	15	18	15	17	–	–	–
H1212	12	12	Hal.	276	Spot	38	–	38	–	38	–	38	–	37	–	33	15
					Medium	35	16	35	17	33	19	31	20	30	21	26	21
					Flood	22	–	21	–	21	–	20	15	18	–	–	–
H2012	12	20	Hal.	314	Spot	38	–	38	–	36	–	36	–	34	–	30	15
					Medium	26	19	26	19	23	19	23	18	21	18	17	15
					Flood	15	–	15	–	–	–	–	–	–	–	–	–
H2024	24	20	Hal.	300	Spot	38	–	38	–	37	–	35	–	33	–	30	–
					Medium	38	–	38	–	37	15	35	16	33	17	29	19
					Flood	23	–	23	–	22	–	20	–	18	–	15	–
Indura® 4X Composite Lamps																	
K0906	6	9	Kryp.	180	Medium	22	–	21	–	21	–	20	–	18	–	16	–
K0912	12	9	Kryp.	190	Medium	20	–	20	–	19	–	19	–	18	–	16	–
N1824	24	18	Inc.	289	Flood	34	–	34	–	33	–	32	15	32	15	27	15
H1206	6	12	Hal.	238	Spot	25	–	25	–	25	–	25	–	25	–	25	–
					Medium	25	16	22	16	22	16	20	18	19	18	15	15
					Flood	17	–	16	–	14	–	13	–	12	–	10	–
H2006	6	20	Hal.	402	Spot	38	16	38	16	38	16	38	16	38	16	38	16
					Medium	35	22	33	24	33	24	32	23	31	22	28	18
					Flood	26	15	24	15	22	15	20	15	18	–	16	–
H1212	12	12	Hal.	276	Spot	30	–	30	–	30	–	30	–	30	–	26	15
					Medium	28	16	27	17	25	19	24	20	22	21	20	21
					Flood	18	–	16	–	15	–	14	15	12	–	10	–
H2012	12	20	Hal.	314	Spot	33	–	33	–	33	–	33	–	33	–	29	15
					Medium	26	19	26	19	23	19	23	18	21	18	17	15
					Flood	15	–	15	–	–	–	–	–	–	–	–	–
H2024	24	20	Hal.	300	Spot	34	–	34	–	34	–	33	–	32	–	30	–
					Medium	35	–	34	–	34	15	34	16	33	17	31	19
					Flood	29	–	26	–	25	–	22	–	21	–	18	–
Indura®/Indura® 4X Sealed-Beam Lamps[2]																	
N5024S	24	50	Inc.	420	11 X 17	65	–	60	–	60	–	55	–	55	–	55	–
H3512S	12	35	Hal.	706	9 X 4.5	75	–	70	–	70	–	70	–	70	–	70	–
H5012S	12	50	Inc.	940	7 X 5	80	–	80	–	80	–	80	–	80	–	80	–

NOTES:

1 All spacings are intended to be guidelines, and meet Life Safety Code® standard minimum illuminance of 0.1FC, average illuminance of 1.0 FC, and 40:1 max/min ratio. The 1FC minimum fixture spacing meets a 0.1 FC minimum illuminance, 1.0 FC average illuminance, and a 40:1 max/min ratio. Results will vary if application deviates from dimensions or assumptions stated. Spacing guidelines assume: 6' wide path of egress in 15' wide aisle of 200'x200'x30' open warehouse with reflectances of 10/10/10.

2 Sealed-beam lamp spacings were generated using the Indura® fixture.

As Lithonia Lighting continues to improve the performance of its emergency lighting products, we also continue to improve the manner in which we communicate our products' performance. Instead of relying on lamp iso-footcandle diagrams to compare one source to the next, we now perform point-by-point illuminance calculations to more accurately depict how our products will perform in real commercial or industrial applications.

Point-by-point calculations depict illuminance coverage of an individual unit and/or multiple units in a space. Graphical representation of point-by-point for both a 3' and 6' path of egress are highlighted throughout the next few pages.

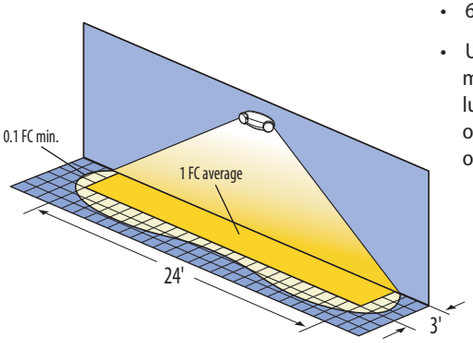
In the graphical representation, the rectangle depicts the area where an average of one footcandle (FC) is maintained. The surrounding curve represents the minimum 0.1 FC isocontour along the floor. The coverage of an individual unit, as well as the maximum spacing that can be achieved with multiple units is depicted in feet. The footnotes detail all the relevant information necessary to replicate each layout using your own lighting analysis software and IESNA format photometrics.

ELM2 MR24 Lamp Head

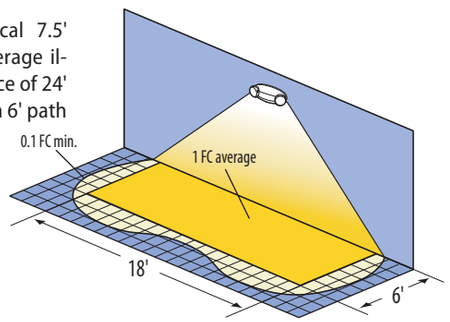
ELM2 Peformance Advantage

Single-unit coverage[1]

- 6-volt, 5.4-watt krypton lamp
- Using a single unit at a typical 7.5' mounting height delivers an average illuminance of 1.0 FC over a distance of 24' on a 3' path of egress and 18' on a 6' path of egress.



Example of single ELM2 unit illuminating a 3′ path of egress.



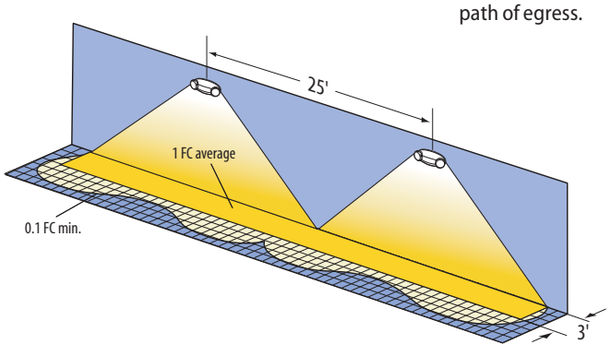
Example of single ELM2 unit illuminating a 6′ path of egress.

1 FC average 0.1 FC minimum

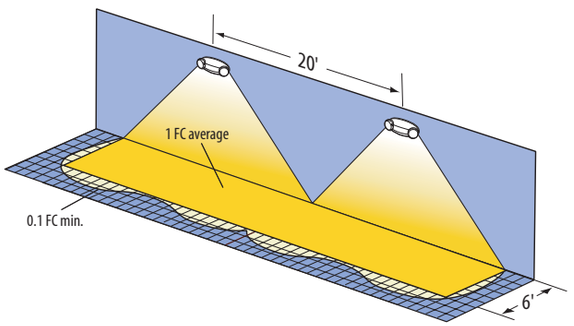
ELM2 Peformance Advantage

Multiple-unit coverage[1]

- 6-volt, 5.4-watt krypton lamp
- Using multiple units at a typical 7.5' mounting height delivers 25' center-to-center spacing on a 3' path of egress and 20' center-to-center spacing on a 6' path of egress.



Example of multiple ELM2 units in a row illuminating a 3′ path of egress.



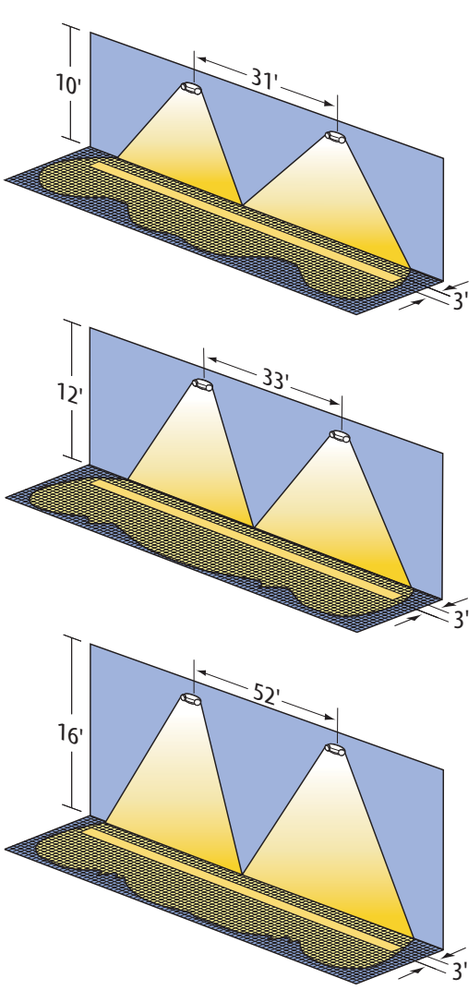
Example of multiple ELM2 units in a row illuminating a 6′ path of egress.

NOTES:

1 Meets Life Safety Code® standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes open space with no obstructions, mounting height: 7.5′, ceiling height: 9′, and reflectances: 80/50/20. Analysis based on independently tested photometrics.

MR24 Lamp Head Performance

High-Capacity Quantum® MR24 Lamp Head



ELM6 PERFORMANCE ADVANTAGE[1]

- 6-volt, 9-watt krypton lamp
- Typical 10' mounting height delivers 31 feet center-to-center spacing

ELM12 PERFORMANCE ADVANTAGE[1]

- 12-volt, 9-watt krypton lamp
- Typical 12' mounting height delivers 33 feet center-to-center spacing

ELM6 HALOGEN PERFORMANCE ADVANTAGE[1]

- 6-volt, 20-watt halogen lamp
- Higher mounting heights deliver 50+ feet center-to-center spacing

MR24 Lamp Head Recommended Center-to-Center Spacing Chart

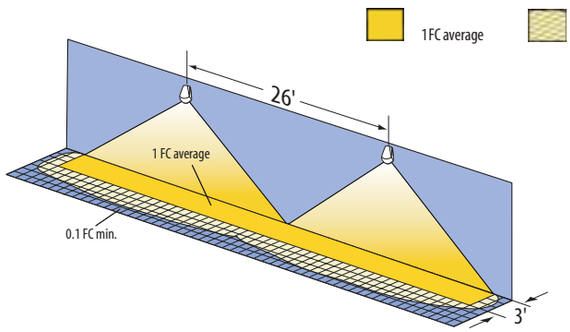
Lamp type	Lamp voltage/ wattage	Quantum® unit lamp is used on	7.5' mounting height	10' mounting height	12' mounting height	16' mounting height	20' mounting height
K0606	6V/5.4W	ELM2[2]	25'	N/A	N/A	N/A	N/A
K0906	6V/9W	ELM618[2], ELM27[2], ELM654[2]	25'	31'	29'	27'	23'
K0912	12V/9W	ELM1254[2], ELM1272[2]	25'	33'	30'	29'	28'
H1206	6V/12W	ELM627, ELM654	N/A	29'	N/A	22'	N/A
H1212	12V/12W	ELM1254, ELM1272	N/A	31'	33'	39'	41'
H2006	6V/20W	ELM654	N/A	35'	37'	52'	49'
H2012	12V/20W	ELM1254, ELM1272	N/A	43'	41'	38'	32'

NOTES:

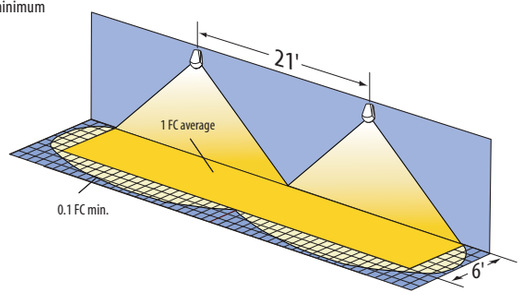
1 Meets Life Safety Code® standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes open space with no obstructions, 3-foot-wide path of egress, and reflectances of 80/50/20.

2 Standard lamp for this unit.

Affinity® Performance[1]



Example of multiple units in a row illuminating a 3′ path of egress.

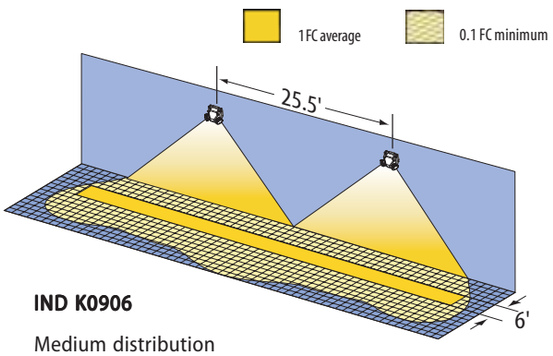


Example of multiple units in a row illuminating a 6′ path of egress.

Affinity® Recommended Center-to-Center Spacing Chart

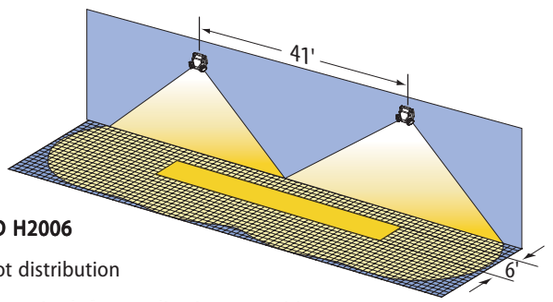
Xenon lamp	Path of egress 3'-wide	Path of egress 6'-wide
Center-to-center spacing	26'	21'

Indura® and Indura® 4X Performance[2]



IND K0906

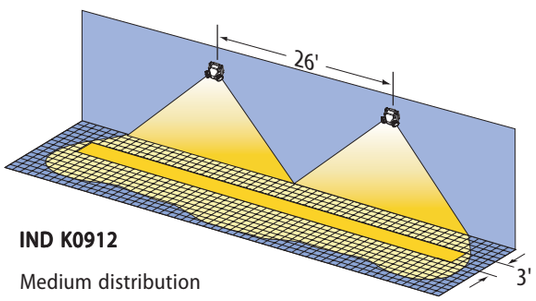
Medium distribution



IND H2006

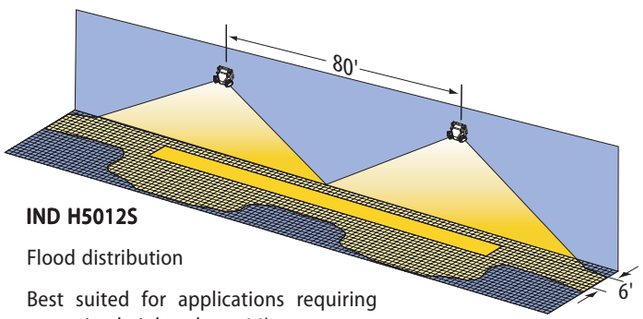
Spot distribution

Best suited for applications requiring mounting heights of 12'-14'



IND K0912

Medium distribution



IND H5012S

Flood distribution

Best suited for applications requiring mounting heights above 14'

NOTES:

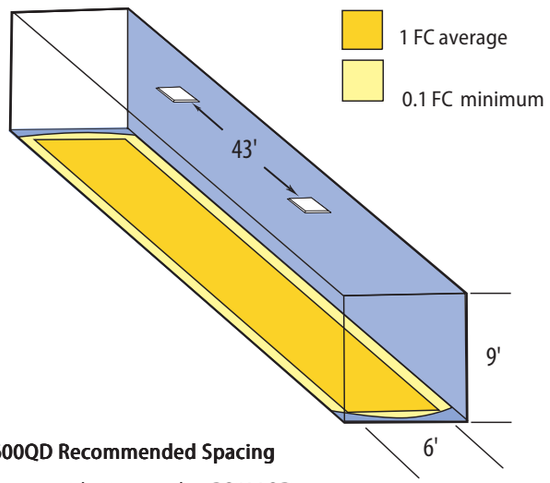
1 Meets Life Safety Code standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes open space with no obstructions, mounting height 8.5', ceiling height 9', and reflectances: 80/50/20.

2 Meets Life Safety Code® standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes space of 200'L X 200'W X 30'H, mounting height: 12', ceiling height 30', and reflectances 10/10/10. Analysis based on independently tested photometrics.

Please refer to page 456 for recommended spacing chart.

Power Sentry Performance

Corridor Spacing



PS600QD Recommended Spacing

Fluorescent battery pack: PS600QD

Fluorescent fixture: Lensed troffer

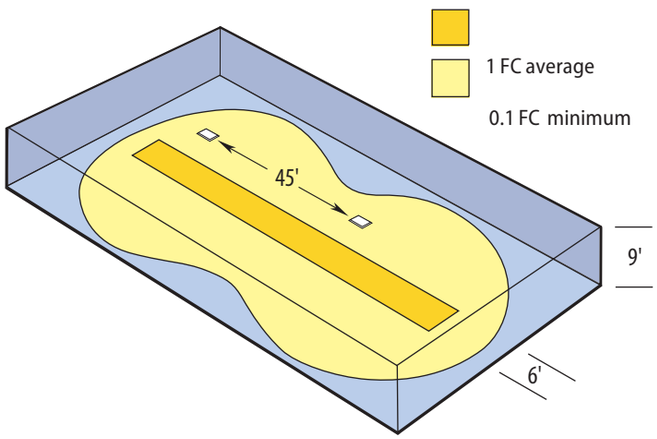
Lamp type: F32T8

Power Sentry® Recommended Center-to-Center Spacing Chart

One Footcandle Average Spacing Guidelines – Corridor			
	T8 lensed troffer	T8 direct/indirect	T8 parabolic
PS300QD	24'	18'	21'
PSQ500QD	35'	28'	32'
PS600QD	43'	34'	40'
PS1400QD	57'	59'	53'

NOTE:
Meets Life Safety Code® standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes (3) T8 lamps in each fixture, 8'W X 100' L corridor, ceiling height of 9' and reflectances of 80/50/20.

Open Office Spacing



PS1400QD Recommended Spacing

Fluorescent battery pack: PS1400QD

Fluorescent fixture: 2 x 4 parabolic

Lamp type: F32T8

Power Sentry® Recommended Center-to-Center Spacing Chart

One Footcandle Average Spacing Guidelines – Open Office			
	T8 lensed troffer	T8 direct/indirect	T8 parabolic
PS300QD	16'	13'	17'
PSQ500QD	29'	21'	27'
PS600QD	35'	26'	34'
PS1400QD	47'	47'	45'

NOTE:
Meets Life Safety Code® standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes (3) T8 lamps in each fixture, 100'W X 100'L open office, ceiling height of 9' and reflectances: 80/50/20.

SECTION 1006

MEANS OF EGRESS ILLUMINATION

1006.1 Illumination required. The means of egress, including the exit discharge, shall be illuminated at all times the building space served by the means of egress is occupied.

Exceptions:

(1) Occupancies in Group U.

(2) Aisle accessways in Group A.

(3) Dwelling units and sleeping units in Groups R-1, R-2 and R-3.

(4) Sleeping units of Group I occupancies.

1006.2 Illumination level. The means of egress illumination level shall not be less than 1 foot-candle (11 lux) at the floor level.

Exception: For auditoriums, theaters, concert or opera halls and similar assembly occupancies, the illumination at the floor level is permitted to be reduced during performances to not less than 0.2 foot-candle (2.15 lux) provided that the required illumination is automatically restored upon activation of a premise's fire alarm system where such system is provided.

1006.3 Illumination emergency power. The power supply for means of egress illumination shall normally be provided by the premise's electrical supply.

In the event of power supply failure, an emergency electrical system shall automatically illuminate the following areas:

(1) Exit access corridors, passageways and aisles in rooms and spaces which require two or more means of egress.

(2) Exit access corridors and exit stairways located in buildings required to have two or more exits.

(3) Exterior egress components at other than the level of exit discharge until exit discharge is accomplished for buildings required to have two or more exits.

(4) Interior exit discharge elements, as permitted in Section 1023.1, in buildings required to have two or more exits.

(5) The portion of the exterior exit discharge immediately adjacent to exit discharge doorways in buildings required to have two or more exits.

The emergency power system shall provide power for a duration of not less than 90 minutes and shall consist of storage batteries, unit equipment or an on-site generator. The installation of the emergency power system shall be in accordance with Section 2702.

1006.4 Performance of system. Emergency lighting facilities shall be arranged to provide initial illumination that is at least an average of 1 foot-candle (11 lux) and a minimum at any point of 0.1 foot-candle (1 lux) measured along the path of egress at floor level. Illumination levels shall be permitted to decline to 0.6 foot-candle (6 lux) average and a minimum at any point of 0.06 foot-candle (0.6 lux) at the end of the emergency lighting time duration. A maximum-to-minimum illumination uniformity ratio of 40 to 1 shall not be exceeded.

SECTION 1011

EXIT SIGNS

1011.1 Where required. Exits and exit access doors shall be marked by an approved exit sign readily visible from any direction of egress travel. Access to exits shall be marked by readily visible exit signs in cases where the exit or the path of egress travel is not immediately visible to the occupants. Exit sign placement shall be such that no point in an exit access corridor is more than 100 feet (30480 mm) or the listed viewing distance for the sign, whichever is less, from the nearest visible exit sign.

Exceptions:

(1) Exit signs are not required in rooms or areas which require only one exit or exit access.

(2) Main exterior exit doors or gates which obviously and clearly are identifiable as exits need not have exit signs where approved by the building official.

(3) Exit signs are not required in occupancies in Group U and individual sleeping units or dwelling units in Group R-1, R-2 or R-3.

(4) Exit signs are not required in sleeping areas in occupancies in Group I-3.

(5) In occupancies in Groups A-4 and A-5, exit signs are not required on the seating side of vomitories or openings into seating areas where exit signs are provided in the concourse that are readily apparent from the vomitories. Egress lighting is provided to identify each vomitory or opening within the seating area in an emergency.

1011.2 Illumination. Exit signs shall be internally or externally illuminated.

Exception: Tactile signs required by Section 1011.3 need not be provided with illumination.

1011.3 Tactile exit signs. A tactile sign stating EXIT and complying with ICC A117.1 shall be provided adjacent to each door to an egress stairway, an exit passageway and the exit discharge.

1011.4 Internally illuminated exit signs. Internally illuminated exit signs shall be listed and labeled and shall be installed in accordance with the manufacturer's instructions and Section 2702. Exit signs shall be illuminated at all times.

1011.5 Externally illuminated exit signs. Externally illuminated exit signs shall comply with Sections 1011.5.1 through 1011.5.3.

1011.5.1 Graphics. Every exit sign and directional exit sign shall have plainly legible letters not less than 6 inches (152 mm) high with the principal strokes of the letters not less than 0.75 inch (19.1 mm) wide. The word "EXIT" shall have letters having a width not less than 2 inches (51 mm) wide except the letter "I," and the minimum spacing between letters shall not be less than 0.375 inch (9.5 mm). Signs larger than the minimum established in this section shall have letter widths, strokes and spacing in proportion to their height.

The word "EXIT" shall be in high contrast with the background and shall be clearly discernible when the exit sign illumination means is or is not energized. If an arrow is provided as part of the exit sign, the construction shall be such that the arrow direction cannot be readily changed.

1011.5.2 Exit sign illumination. The face of an exit sign illuminated from an external source shall have an intensity of not less than 5 foot-candles (54 lux).

1011.5.3 Power source. Exit signs shall be illuminated at all times. To ensure continued illumination for a duration of not less than 90 minutes in case of primary power loss, the sign illumination means shall be connected to an emergency power system provided from storage batteries, unit equipment or an on-site generator. The installation of the emergency power system shall be in accordance with Section 2702.

Exception: Approved exit sign illumination means that provide continuous illumination independent of external power sources for a duration of not less than 90 minutes, in case of primary power loss, are not required to be connected to an emergency electrical system.

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NFPA 101® – Life Safety Code® 2006

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7.8 Illumination of Means of Egress.
7.8.1 General.

7.8.1.1* Illumination of means of egress shall be provided in accordance with Section 7.8 for every building and structure where required in Chapter 11 through Chapter 42. For the purposes of this requirement, exit access shall include only designated stairs, aisles, corridors, ramps, escalators, and passageways leading to an exit. For the purposes of this requirement, exit discharge shall include only designated stairs, aisles, corridors, ramps, escalators, walkways, and exit passageways leading to a public way.

7.8.1.2 Illumination of means of egress shall be continuous during the time that the conditions of occupancy require that the means of egress be available for use, unless otherwise provided in 7.8.1.2.2.

7.8.1.2.1 Artificial lighting shall be employed at such locations and for such periods of time as are necessary to maintain the illumination to the minimum criteria values herein specified.

7.8.1.2.2 Automatic, motion sensor–type lighting switches shall be permitted within the means of egress, provided that the switch controllers are equipped for fail-safe operation, the illumination timers are set for a minimum 15-minute duration, and the motion sensor is activated by any occupant movement in the area served by the lighting units.

7.8.1.3* The floors and other walking surfaces within an exit and within the portions of the exit access and exit discharge designated in 7.8.1.1 shall be illuminated as follows: (1) During conditions of stair use, the minimum illumination for new stairs shall be at least 10 ft-candle (108 lux), measured at the walking surfaces. (2) The minimum illumination for floors and walking surfaces, other than new stairs during conditions of stair use, shall be to values of at least 1 ft-candle (10.8 lux), measured at the floor. (3) In assembly occupancies, the illumination of the floors of exit access shall be at least 0.2 ft-candle (2.2 lux) during periods of performances or projections involving directed light. (4)*The minimum illumination requirements shall not apply where operations or processes require low lighting levels.

7.8.1.4* Required illumination shall be arranged so that the failure of any single lighting unit does not result in an illumination level of less than 0.2 ft-candle (2.2 lux) in any designated area.

7.8.1.5 The equipment or units installed to meet the requirements of Section 7.10 also shall be permitted to serve the function of illumination of means of egress, provided that all requirements of Section 7.8 for such illumination are met.

7.8.2 Sources of Illumination.

7.8.2.1* Illumination of means of egress shall be from a source considered reliable by the authority having jurisdiction.

7.8.2.2 Battery-operated electric lights and other types of portable lamps or lanterns shall not be used for primary illumination of means of egress. Battery-operated electric lights shall be permitted to be used as an emergency source to the extent permitted under Section 7.9.

7.9 Emergency Lighting.
7.9.1 General.

7.9.1.1* Emergency lighting facilities for means of egress shall be provided in accordance with Section 7.9 for the following: (1) Buildings or structures where required in Chapter 11 through Chapter 42 (2) Underground and limited access structures as addressed in Section 11.7 (3) High-rise buildings as required by other sections of this *Code* (4) Doors equipped with delayed-egress locks (5) Stair shaft and vestibule of smokeproof enclosures, for which the following also apply: (a) The stair shaft and vestibule shall be permitted to include a standby generator that is installed for the smokeproof enclosure mechanical ventilation equipment. (b) The standby generator shall be permitted to be used for the stair shaft and vestibule emergency lighting power supply. (6) New access-controlled egress doors in accordance with 7.2.1.6.2.

7.9.1.2 For the purposes of 7.9.1.1, exit access shall include only designated stairs, aisles, corridors, ramps, escalators, and passageways leading to an exit. For the purposes of 7.9.1.1, exit discharge shall include only designated stairs, ramps, aisles, walkways, and escalators leading to a public way.

7.9.1.3 Where maintenance of illumination depends on changing from one energy source to another, a delay of not more than 10 seconds shall be permitted.

7.9.2 Performance of System.

7.9.2.1* Emergency illumination shall be provided for not less than 1-1/2 hours in the event of failure of normal lighting. Emergency lighting facilities shall be arranged to provide initial illumination that is not less than an average of 1 ft-candle (10.8 lux) and, at any point, not less than 0.1 ft-candle (1.1 lux), measured along the path of egress at floor level. Illumination levels shall be permitted to decline to not less than an average of 0.6 ft-candle (6.5 lux) and, at any point, not less than 0.06 ft-candle (0.65 lux) at the end of the 1-1/2 hours. A maximum-to-minimum illumination uniformity ratio of 40 to 1 shall not be exceeded.

7.9.2.2 New emergency power systems for emergency lighting shall be at least Type 10, Class 1.5, Level 1, in accordance with NFPA 110, *Standard for Emergency and Standby Power Systems*.

7.9.2.3* The emergency lighting system shall be arranged to provide the required illumination automatically in the event of any interruption of normal lighting due to any of the following: (1) Failure of a public utility or other outside electrical power supply (2) Opening of a circuit breaker or fuse (3) Manual act(s), including accidental opening of a switch controlling normal lighting facilities.

7.9.2.4 Emergency generators providing power to emergency lighting systems shall be installed, tested, and maintained in accordance with NFPA 110, *Standard for Emergency and Standby Power Systems*. Stored electrical energy systems, where required in this *Code*, shall be installed and tested in accordance with NFPA 111, *Standard on Stored Electrical Energy Emergency and Standby Power Systems*.

7.9.2.5 Unit equipment and battery systems for emergency luminaires shall be listed to UL 924, *Standard for Emergency Lighting and Power Equipment*.

7.9.2.6* Existing battery-operated emergency lights shall use only reliable types of rechargeable batteries provided with suitable facilities for maintaining them in properly charged condition. Batteries used in such lights or units shall be approved for their intended use and shall comply with NFPA 70, *National Electrical Code*.

7.9.2.7 The emergency lighting system shall be either continuously in operation or shall be capable of repeated automatic operation without manual intervention.

7.9.3 Periodic Testing of Emergency Lighting Equipment.

7.9.3.1 Required emergency lighting systems shall be tested in accordance with one of the three options offered by 7.9.3.1.1, 7.9.3.1.2, or 7.9.3.1.3.

7.9.3.1.1 Testing of required emergency lighting systems shall be permitted to be conducted as follows: (1) Functional testing shall be conducted at 30-day intervals for not less than 30 seconds. (2) Functional testing shall be conducted annually for not less than 1-1/2 hours if the emergency lighting system is battery powered. (3) The emergency lighting equipment shall be fully operational for the duration of the tests required by 7.9.3.1.1(1) and 7.9.3.1.1(2). (4) Written records of visual inspections and tests shall be kept by the owner for inspection by the authority having jurisdiction.

7.9.3.1.2 Testing of required emergency lighting systems shall be permitted to be conducted as follows: (1) Self-testing/self-diagnostic battery-operated emergency lighting equipment shall be provided. (2) Self-testing/self-diagnostic battery-operated emergency lighting equipment shall automatically perform not less than once every 30 days a test for not less than 30 seconds and a diagnostic routine. (3) Self-testing/self-diagnostic battery-operated emergency lighting equipment shall indicate failures by a status indicator. (4) A visual inspection shall be performed at intervals not exceeding 30 days. (5) Functional testing shall be conducted annually for not less than 1-1/2 hours. (6) Self-testing/self-diagnostic battery-operated emergency lighting equipment shall be fully operational for the duration of the 1-1/2 hour test. (7) Written records of visual inspections and tests shall be kept by the owner for inspection by the authority having jurisdiction.

7.9.3.1.3 Testing of required emergency lighting systems shall be permitted to be conducted as follows: (1) Computer-based, self-testing/self-diagnostic batteryoperated emergency lighting equipment shall be provided. (2) The emergency lighting equipment shall automatically perform not less than once every 30 days a test for not less than 30 seconds and a diagnostic routine. (3) The emergency lighting equipment shall automatically perform annually a test for not less than 1-1/2 hours. (4) The emergency lighting equipment shall be fully operational for the duration of the tests required by 7.9.3.1.3(2) and 7.9.3.1.3(3). (5) The computer-based system shall be capable of providing a report of the history of tests and failures at all times.

7.10 Marking of Means of Egress.
7.10.1 General.

7.10.1.1 Where Required. Means of egress shall be marked in accordance with Section 7.10 where required in Chapter 11 through Chapter 42.

7.10.1.2* Exits. Exits, other than main exterior exit doors that obviously and clearly are identifiable as exits, shall be marked by an approved sign that is readily visible from any direction of exit access.

7.10.1.3 Exit Door Tactile Signage. Tactile signage shall be provided to meet the following criteria, unless otherwise provided in 7.10.1.4: (1) Tactile signage shall be located at each exit door requiring an exit sign. (2) Tactile signage shall read as follows: EXIT. (3) Tactile signage shall comply with ICC/ANSI A117.1, *American National Standard for Accessible and Usable Buildings and Facilities*.

7.10.1.4 Existing Exemption. The requirements of 7.10.1.3 shall not apply to existing buildings, provided that the occupancy classification does not change.

7.10.1.5 Exit Access.

7.10.1.5.1 Access to exits shall be marked by approved, readily visible signs in all cases where the exit or way to reach the exit is not readily apparent to the occupants.

7.10.1.5.2* New sign placement shall be such that no point in an exit access corridor is in excess of the rated viewing distance or 100 ft (30 m), whichever is less, from the nearest sign.

7.10.1.6* Floor Proximity Exit Signs. Where floor proximity exit signs are required in Chapter 11 through Chapter 42, such signs shall be located near the floor level in addition to those signs required for doors or corridors. The signs shall be illuminated in accordance with 7.10.5. Externally illuminated signs shall be sized in accordance with 7.10.6.1. The bottom of the sign shall be not less than 6 in. (150 mm), but not more than 18 in. (455 mm), above the floor. For exit doors, the sign shall be mounted on the door or adjacent to the door, with the nearest edge of the sign within 4 in. (100 mm) of the door frame.

7.10.1.7* Floor Proximity Egress Path Marking. Where floor proximity egress path marking is required in Chapter 11 through Chapter 42, a listed and approved floor proximity egress path marking system that is internally illuminated shall be installed within 18 in. (455 mm) of the floor. The system shall provide a visible delineation of the path of travel along the designated exit access and shall be essentially continuous, except as interrupted by doorways, hallways, corridors, or other such architectural features. The system shall operate continuously or at any time the building fire alarm system is activated. The activation, duration, and continuity of operation of the system shall be in accordance with 7.9.2. The system shall be maintained in accordance with the product manufacturing listing.

7.10.1.8* Visibility. Every sign required in Section 7.10 shall be located and of such size, distinctive color, and design that it is readily visible and shall provide contrast with decorations, interior finish, or other signs. No decorations, furnishings, or equipment that impairs visibility of a sign shall be permitted. No brightly illuminated sign (for other than exit purposes), display, or object in or near the line of vision of the required exit sign that could detract attention from the exit sign shall be permitted.

7.10.1.9 Mounting Location. The bottom of new egress markings shall be located at a vertical distance of not more than 6 ft 8 in. (2030 mm) above the top edge of the egress opening intended for designation by that marking. Egress markings shall be located at a horizontal distance of not more than the required width of the egress opening, as measured from the edge of the egress opening intended for designation by that marking to the nearest edge of the marking.

7.10.2* Directional Signs. A sign complying with 7.10.3 with a directional indicator showing the direction of travel shall be placed in every location where the direction of travel to reach the nearest exit is not apparent.

7.10.3* Sign Legend.

7.10.3.1 Signs required by 7.10.1 and 7.10.2 shall read as follows in plainly legible letters, or other appropriate wording shall be used:

EXIT

7.10.3.2* Where approved by the authority having jurisdiction, pictograms shall be permitted.

7.10.4* Power Source. Where emergency lighting facilities are required by the applicable provisions of Chapter 11 through Chapter 42 for individual occupancies, the signs, other than approved self-luminous signs and listed photoluminescent signs in accordance with 7.10.7.2, shall be illuminated by the emergency lighting facilities. The level of illumination of the signs shall be in accordance with 7.10.6.3 or 7.10.7 for the required emergency lighting duration as specified in 7.9.2.1. However, the level of illumination shall be permitted to decline to 60 percent at the end of the emergency lighting duration.

7.10.5 Illumination of Signs.

7.10.5.1* General. Every sign required by 7.10.1.2, 7.10.1.5, or 7.10.8.1, other than where operations or processes require low lighting levels, shall be suitably illuminated by a reliable light source. Externally and internally illuminated signs shall be legible in both the normal and emergency lighting mode.

7.10.5.2* Continuous Illumination.

7.10.5.2.1 Every sign required to be illuminated by 7.10.6.3, 7.10.7, and 7.10.8.1 shall be continuously illuminated as required under the provisions of Section 7.8, unless otherwise provided in 7.10.5.2.2.

7.10.5.2.2* Illumination for signs shall be permitted to flash on and off upon activation of the fire alarm system.

7.10.6 Externally Illuminated Signs.

7.10.6.1* Size of Signs.

7.10.6.1.1 Externally illuminated signs required by 7.10.1 and 7.10.2, other than approved existing signs, unless otherwise provided in 7.10.6.1.2, shall read EXIT or shall use other appropriate wording in plainly legible letters sized as follows: (1) For new signs, the letters shall be not less than 6 in. (150 mm) high, with the principal strokes of letters not less than 3/4 in. (19 mm) wide. (2) For existing signs, the required wording shall be permitted to be in plainly legible letters not less than 4 in. (100 mm) high. (3) The word EXIT shall be in letters of a width not less than 2 in. (51 mm), except the letter I, and the minimum spacing between letters shall be not less than 3/8 in. (9.5 mm). (4) Sign legend elements larger than the minimum established in 7.10.6.1.1(1) through 7.10.6.1.1(3) shall use letter widths, strokes, and spacing in proportion to their height.

7.10.6.1.2 The requirements of 7.10.6.1.1 shall not apply to marking required by 7.10.1.3 and 7.10.1.6.

7.10.6.2* Size and Location of Directional Indicator.

7.10.6.2.1 Directional indicators, unless otherwise provided in 7.10.6.2.2, shall comply with the following:
(1) The directional indicator shall be located outside of the EXIT legend, not less than 3/8 in. (9.5 mm) from any letter.
(2) The directional indicator shall be of a chevron type, as shown in Figure 7.10.6.2.1.
(3) The directional indicator shall be identifiable as a directional indicator at a distance of 40 ft (12 m).
(4) A directional indicator larger than the minimum established for compliance with 7.10.6.2.1(3) shall be proportionately increased in height, width, and stroke.
(5) The directional indicator shall be located at the end of the sign for the direction indicated.



FIGURE 7.10.6.2.1 Chevron-Type Indicator.

7.10.6.2.2 The requirements of 7.10.6.2.1 shall not apply to approved existing signs.

7.10.6.3* Level of Illumination. Externally illuminated signs shall be illuminated by not less than 5 ft-candles (54 lux) at the illuminated surface and shall have a contrast ratio of not less than 0.5.

7.10.7 Internally Illuminated Signs.

7.10.7.1 Listing. Internally illuminated signs shall be listed in accordance with UL 924, *Standard for Emergency Lighting and Power Equipment*, unless they meet one of the following criteria: (1) They are approved existing signs. (2) They are existing signs having the required wording in legible letters not less than 4 in. (100 mm) high. (3) They are signs that are in accordance with 7.10.1.3 and 7.10.1.6.

7.10.7.2* Photoluminescent Signs. The face of a photoluminescent sign shall be continually illuminated while the building is occupied. The illumination levels on the face of the photoluminescent sign shall be in accordance with its listing. The charging illumination shall be a reliable light source as determined by the authority having jurisdiction. The charging light source shall be of a type specified in the product markings.

7.10.8 Special Signs.

7.10.8.1 Sign Illumination.

7.10.8.1.1 Where required by other provisions of this *Code*, special signs shall be illuminated in accordance with 7.10.5, 7.10.6.3, and 7.10.7.

7.10.8.1.2 Where emergency lighting facilities are required by the applicable provisions of Chapter 12 through Chapter 42, the required illumination of special signs shall additionally be provided under emergency lighting conditions.

7.10.8.2 Characters. Special signs, where required by other provisions of this *Code*, shall comply with the visual character requirements of ICC/ANSI A117.1, *American National Standard for Accessible and Usable Buildings and Facilities*.

7.10.8.3* No Exit.

7.10.8.3.1 Any door, passage, or stairway that is neither an exit nor a way of exit access and that is located or arranged so that it is likely to be mistaken for an exit shall be identified by a sign that reads as follows:

NO
EXIT

7.10.8.3.2 The NO EXIT sign shall have the word NO in letters 2 in. (51 mm) high, with a stroke width of 3/8 in. (9.5 mm), and the word EXIT in letters 1 in. (25 mm) high, with the word EXIT below the word NO, unless such sign is an approved existing sign.

7.10.8.4 Elevator Signs. Elevators that are a part of a means of egress *(see 7.2.13.1)* shall have the following signs with a minimum letter height of 5/8 in. (16 mm) posted in every elevator lobby: (1)*Signs that indicate that the elevator can be used for egress, including any restrictions on use (2)*Signs that indicate the operational status of elevators.

7.10.9 Testing and Maintenance.

7.10.9.1 Inspection. Exit signs shall be visually inspected for operation of the illumination sources at intervals not to exceed 30 days or shall be periodically monitored in accordance with 7.9.3.1.3.

7.10.9.2 Testing. Exit signs connected to or provided with a battery-operated emergency illumination source, where required in 7.10.4, shall be tested and maintained in accordance with 7.9.3.

NFPA 70 - National Electrical Code® 2005

ARTICLE 700 Emergency Systems

I. General

700.1 Scope

The provisions of this article apply to the electrical safety of the installation, operation, and maintenance of emergency systems consisting of circuits and equipment intended to supply, distribute, and control electricity for illumination, power, or both, to required facilities when the normal electrical supply or system is interrupted.

Emergency systems are those systems legally required and classed as emergency by municipal, state, federal, or other codes, or by any governmental agency having jurisdiction. These systems are intended to automatically supply illumination, power, or both, to designated areas and equipment in the event of failure of the normal supply or in the event of accident to elements of a system intended to supply, distribute, and control power and illumination essential for safety to human life.

FPN No. 1: For further information regarding wiring and installation of emergency systems in health care facilities, see Article 517.

FPN No. 2: For further information regarding performance and maintenance of emergency systems in health care facilities, see NFPA 99-2002, Standard for Health Care Facilities.

FPN No. 3: Emergency systems are generally installed in places of assembly where artificial illumination is required for safe exiting and for panic control in buildings subject to occupancy by large numbers of persons, such as hotels, theaters, sports arenas, health care facilities, and similar institutions. Emergency systems may also provide power for such functions as ventilation where essential to maintain life, fire detection and alarm systems, elevators, fire pumps, public safety communications systems, industrial processes where current interruption would produce serious life safety or health hazards, and similar functions.

FPN No. 4: For specification of locations where emergency lighting is considered essential to life safety, see NFPA 101®-2003, Life Safety Code®.

FPN No. 5: For further information regarding performance of emergency and standby power systems, see NFPA 110-2002, Standard for Emergency and Standby Power Systems.

700.2 Application of Other Articles

Except as modified by this article, all applicable articles of this Code shall apply.

700.3 Equipment Approval

All equipment shall be approved for use on emergency systems.

700.4 Tests and Maintenance

(A) **Conduct or Witness Test** The authority having jurisdiction shall conduct or witness a test of the complete system upon installation and periodically afterward.

(B) **Tested Periodically** Systems shall be tested periodically on a schedule acceptable to the authority having jurisdiction to ensure the systems are maintained in proper operating condition.

(C) **Battery Systems Maintenance** Where battery systems or unit equipments are involved, including batteries used for starting, control, or ignition in auxiliary engines, the authority having jurisdiction shall require periodic maintenance.

(D) **Written Record** A written record shall be kept of such tests and maintenance.

(E) **Testing Under Load** Means for testing all emergency lighting and power systems during maximum anticipated load conditions shall be provided.

FPN: For testing and maintenance procedures of emergency power supply systems (EPSSs), see NFPA 110-2002, Standard for Emergency and Standby Power Systems.

700.8 Signs

(A) **Emergency Sources** A sign shall be placed at the service entrance equipment, indicating type and location of on-site emergency power sources.

Exception: A sign shall not be required for individual unit equipment as specified in 700.12(F).

(B) **Grounding** Where the grounded circuit conductor connected to the emergency source is connected to a grounding electrode conductor at a location remote from the emergency source, there shall be a sign at the grounding location that shall identify all emergency and normal sources connected at that location.

II. Circuit Wiring

700.9 Wiring, Emergency System

(A) **Identification** All boxes and enclosures (including transfer switches, generators, and power panels) for emergency circuits shall be permanently marked so they will be readily identified as a component of an emergency circuit or system.

(B) **Wiring** Wiring of two or more emergency circuits supplied from the same source shall be permitted in the same raceway, cable, box, or cabinet. Wiring from an emergency source or emergency source distribution overcurrent protection to emergency loads shall be kept entirely independent of all other wiring and equipment, unless otherwise permitted in (1) through (4):

(1)Wiring from the normal power source located in transfer equipment enclosures

(2)Wiring supplied from two sources in exit or emergency luminaires (lighting fixtures)

(3)Wiring from two sources in a common junction box, attached to exit or emergency luminaires (lighting fixtures)

(4)Wiring within a common junction box attached to unit equipment, containing only the branch circuit supplying the unit equipment and the emergency circuit supplied by the unit equipment

(C) **Wiring Design and Location** Emergency wiring circuits shall be designed and located so as to minimize the hazards that might cause failure due to flooding, fire, icing, vandalism, and other adverse conditions.

(D) **Fire Protection** Emergency systems shall meet the additional requirements in 700.9(D)(1) and (D)(2) assembly occupancies for not less than 1000 persons or in buildings above 23 m (75 ft) in height with any of the following occupancy classes: assembly, educational, residential, detention and correctional, business, and mercantile.

(1) **Feeder-Circuit Wiring** Feeder-circuit wiring shall meet one of the following conditions:

(1) Be installed in spaces or areas that are fully protected by an approved automatic fire suppression system

(2) Be a listed electrical circuit protective system with a mini mum 1-hour fire rating

(3) Be protected by a listed thermal barrier system for electri cal system components

(4) Be protected by a fire-rated assembly listed to achieve a minimum fire rating of 1 hour

(5) Be embedded in not less than 50 mm (2 in.) of concrete

(6) Be a cable listed to maintain circuit integrity for not less than 1 hour when installed in accordance with the listing requirements

(2) **Feeder-Circuit Equipment** Equipment for feeder circuits (including transfer switches, transformers, and panelboards) shall be located either in spaces fully protected by approved automatic fire suppression systems (including sprinklers, carbon dioxide systems) or in spaces with a 1-hour fire resistance rating.

FPN: For the definition of occupancy classification, see Section 6.1 of NFPA 101-2003, Life Safety Code.

V. Emergency System Circuits for Lighting and Power

700.15 Loads on Emergency Branch Circuits

No appliances and no lamps, other than those specified as required for emergency use, shall be supplied by emergency lighting circuits.

700.16 Emergency Illumination

Emergency illumination shall include all required means of egress lighting, illuminated exit signs, and all other lights specified as necessary to provide required illumination.

Emergency lighting systems shall be designed and installed so that the failure of any individual lighting element, such as the burning out of a light bulb, cannot leave in total darkness any space that requires emergency illumination.

Where high-intensity discharge lighting such as high- and low-pressure sodium, mercury vapor, and metal halide is used as the sole source of normal illumination, the emergency lighting system shall be required to operate until normal illumination has been restored.

Exception: Alternative means that ensure emergency lighting illumination level is maintained shall be permitted.

700.17 Circuits for Emergency Lighting

Branch circuits that supply emergency lighting shall be installed to provide service from a source complying with 700.12 when the normal supply for lighting is interrupted. Such installations shall provide either of the following:

(1)An emergency lighting supply, independent of the general lighting supply, with provisions for automatically transferring the emergency lights upon the event of failure of the general lighting system supply

(2)Two or more separate and complete systems with independent power supply, each system providing sufficient current for emergency lighting purposes

Unless both systems are used for regular lighting purposes and are both kept lighted, means shall be provided for automatically energizing either system upon failure of the other. Either or both systems shall be permitted to be a part of the general lighting system of the protected occupancy if circuits supplying lights for emergency illumination are installed in accordance with other sections of this article.

700.18 Circuits for Emergency Power

For branch circuits that supply equipment classed as emergency, there shall be an emergency supply source to which the load will be transferred automatically upon the failure of the normal supply.

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Voltage Drop Tables

The following information is provided to assist in planning layouts for emergency lighting systems. The National Electrical Code® limits voltage drop to a maximum of 5 percent of nominal. Thus, circuit runs must be of sufficient size to maintain operating voltage when remote fixtures and/or exit signs are connected to the emergency lighting equipment. The table below shows the length of wire run based on system voltage, wire gauge and total wattage on the run.

Formula: As per NEC® standards,

$$V_D = \frac{2 \times L \times I \times R}{1000}$$

Where: L = length of run in feet

I = current

R = resistance of material at 75°C

V_D = voltage drop

Example 1:

A 12-volt system using a 10-gauge wire will operate four 12-watt lamps. Total watts on the wire run is 48, length of run from table is 70 feet.

Longer Wire Runs

If loads are uniformly spaced along circuit path (equal watts, equal distances), lengths in the table can be increased by certain values.

Example 2:

Remote heads from *Example 1* will be uniformly spaced. Multiplier is 1.6 for four fixtures. Maximum permissible length of wire run is 70' x 1.6 or 112'.

Number of fixtures:	2	3	4	5
Multiplier:	1.33	1.5	1.6	1.67

To determine multiplier for six or more fixtures, use the following formula:

Number of fixtures = n

$$\text{Multiplier} = \frac{2n}{n+1}$$

6-VOLT SYSTEM

Total watts	Wire size, length of wire run (feet) 12	10	8	6	4
8	67	106	169	268	350
10	53	85	135	214	280
12	44	70	112	178	234
13	41	65	110	165	216
14	38	60	96	153	200
16	33	53	84	134	175
18	30	47	75	120	156
20	26	42	67	107	140
21	25	40	64	102	134
24	22	35	56	89	117
25	21	32	54	86	112
30	18	28	45	71	93
35	15	24	39	62	80
36	15	24	38	61	97
40	13	21	33	53	70
48	11	17	28	44	58
50	10	17	27	43	56
54	10	16	26	41	65
60	9	14	22	36	47
75	8	11	18	29	37
100	6	9	14	22	28
125	4	6	10	17	22
150	3	5	9	14	19
175	3	4	7	12	16
200	2	4	6	10	14
225	2	3	6	9	12
250	2	3	5	8	11
300	1	2	4	7	9
400	1	2	3	5	7
450	1	1	3	4	7

12-VOLT SYSTEM

Total watts	Wire size, length of wire run (feet) 12	10	8	6	4
8	267	425	675	1,073	1,707
10	213	339	540	858	1.366
12	178	283	450	715	1,138
13	165	260	415	660	1,050
14	152	242	385	613	975
16	133	212	337	536	853
18	110	190	300	475	760
20	106	169	270	429	683
21	101	161	257	408	650
24	89	141	225	357	569
25	85	136	215	340	540
30	71	112	180	285	455
35	61	97	154	245	390
36	61	97	154	244	388
40	53	84	135	214	341
48	44	70	112	178	284
50	42	68	108	170	275
54	40	64	102	163	259
60	35	52	90	140	225
75	29	45	72	114	182
100	21	34	54	86	137
125	17	27	43	68	109
150	14	23	36	57	91
175	12	19	30	49	78
200	10	17	27	43	68
225	9	15	24	38	60
250	8	14	21	34	55
300	7	11	18	28	45
400	5	8	13	21	34
450	4	8	12	19	30

24-VOLT SYSTEM

Total watts	Wire size, length of wire run (feet) 12	10	8	6	4
8	1,068	1,698	2,701	4,293	6,830
10	854	1,358	2,161	3,435	5,464
12	712	1,132	1,801	2,862	4,553
13	660	1,040	1,668	2,640	4,200
14	610	970	1,543	2,453	3,902
16	534	849	1,350	2,146	3,415
18	440	760	1,200	1,900	3,040
20	427	679	1,080	1,717	2,732
21	407	647	1,029	1,635	2,601
24	356	566	900	1,431	2,276
25	340	544	860	1,360	2,160
30	284	448	720	1,140	1,810
35	244	388	616	980	1,560
36	242	386	614	976	1553
40	213	339	540	858	1,366
48	178	283	450	715	1,138
50	168	272	432	680	1,100
54	162	257	410	651	1,035
60	140	208	360	560	900
75	116	180	288	456	728
100	84	136	216	344	548
125	68	108	172	274	437
150	56	92	144	228	364
175	48	77	123	196	312
200	40	68	108	172	272
225	37	60	96	152	242
250	32	52	84	136	220
300	26	44	72	112	180
400	21	34	54	85	136
450	19	30	48	76	120

Outdoor Emergency Lighting Products

Traditional emergency lighting and exit signs have been primarily focused on guiding the interior occupants of a building to the nearest exit in the event of an emergency. Today, an additional emphasis is being placed on getting occupants to and along a path of safety once they are out of the building.

While the code is unclear on what constitutes a pathway and the definition of "the means to a public way", local authorities having jurisdiction over code enforcement and compliance have begun to broaden their interpretation of the Life Safety Code® to include some elements of outdoor emergency lighting.

Lithonia Lighting provides a complete list of solutions for outdoor emergency applications, including both *normally on* outdoor fixtures that switch to emergency mode when needed, and *normally off* fixtures designed only to provide emergency lighting.

Normally Off (Dedicated) Fixtures

These dedicated normally off fixtures include both stand-alone emergency lighting units and remote lamp heads. Both offer their own unique advantages.

Remote lamp heads offer advantages such as lower initial cost, lower maintenance cost and better aesthetics due to their small size. However, a battery source is required for operation.

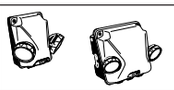
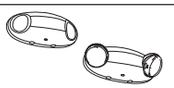
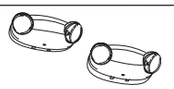
Stand-alone emergency lighting units come equipped with a battery and can be less expensive if the application requires a small number to meet light levels.

Stand-Alone Emergency Lighting Units

Stand-alone unit equipment also can be used as a power source. Damp and wet location emergency lighting products are available (see chart below).



INDX shown

Fixture		Description	Wet[1]	Damp[2]	NEMA 4X[3]	Cold weather[4]
AFN DB EXT		Architectural die-cast with xenon lamp	■	■		-18° C to 50° C
IND618-6100 IND1236-12450 IND24100-24150		Industrial emergency unit with krypton lamp		■		-40° C to 55° C (ULT option)
INDX618-6100 INDX1236-12125 INDX24100		Industrial NEMA 4X emergency unit with krypton lamp	■	■	■	-40° C to 55° C (ULT option)
ELM DL ELM2 DL		Thermoplastic emergency unit with krypton lamp		■		
ELM618-654 DL ELM1254-1272 DL		High-capacity thermoplastic with krypton lamp		■		

Remote Lamp Heads

■ Available (blank) Not available



AFN shown

Fixture		Description	Wet	Damp	NEMA 4X/ IP66	Cold weather
ELA AFNR DB		Architectural die-cast remote w/xenon lamp	■	■		-40° C to 60° C
ELA OMC		Outdoor mini cylinder die-cast remote w/halogen lamp	■	■	■	
ELA CL		Recessed round outdoor core remote w/halogen lamp	■	■		
ELA OSL		Recessed outdoor step light w/halogen lamp	■	■		
ELA NX		Gasketed, wet location remote w/ incandenscent or halogen lamp	■	■		
ELA WP		Weatherproof aluminum remote w/incandenscent lamp	■	■		

Lithonia unit equipment or exit signage with additional capacity can be used to power any remote-mounted lamp. These units or exits can be mounted indoors, while leads can be run to the outdoors.

NOTES:
1 Direct exposure to rain or water.
2 Subject to moisture; fixture must be mounted under a canopy.
3 NEMA 4X hosedown/dustproof listing.
4 Cold weather listing: -18 to 50 C (AFN); -40 to 60 C (ELA AFNR DB); or -40 to 55 C (IND/INDX).

Exit signage with additional capacity also can be used to run remote heads (e.g., Signature® with ELA LEHO or LHQM).

Normally On Fixtures

Lithonia's building-mounted products are available with several options to provide attractive and efficient outdoor emergency egress lighting solutions.

Integral emergency battery packs (ELDW) or operation with a remote battery pack (ELDWR) for use with compact fluorescent lamps, 12 volt DC lamps (DC12) powered by a remote battery source or 120 volt AC lamps (EC) on an emergency circuit all are available today. For specific product and technical information, please refer to www.lithonia.com.

ELDW and ELDWR

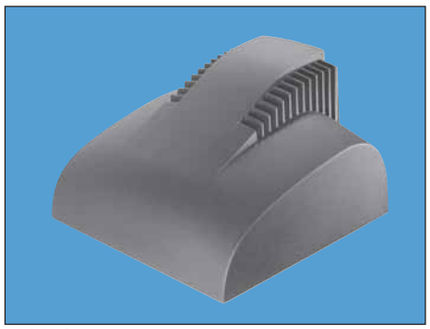
ELDW – Integral battery pack that operates compact fluorescent lamps at a reduced lumen output.

ELDWR – Remote battery pack ready for compact fluorescent lamps. Battery pack (by others) mounted external to the building mounted luminaire. Pilot light/test switch mounting plate and additional wiring included to connect with the external battery pack provided separately.

		Product families				
		ELDW				*ELDWR*[1]
Lamp options (# of lamps/ /wattage)	Lamp start temp. °F (°C)	Initial ELDW lumens	Gateway® VGR1C, VGR2C, VRG4C, VGR5C	Architectural sconce WSR, WST, WSQ	Aeris™ ASW	VGRxC WSR/T/Q ASW
13DTT	-5° (-20°)	350	■			■
2/13DTT	-5° (-20°)	425	■			■
18DTT	-5° (-20°)	475	■			■
2/18DTT	-5° (-20°)	575	■			■
26DTT	-5° (-20°)	600	■			■
2/26DTT	-5° (-20°)	700		■	■	■
26TRT	-5° (-20°)	450	■			■
2/26TRT	-5° (-20°)	725				■
32TRT	-5° (-20°)	575	■	■	■	■
2/32TRT	-5° (-20°)	750				■
42TRT	-5° (-20°)	750	■	■	■	■
2/42TRT	-5° (-20°)	N/A				■

■ Available
(blank) Not available

NOTES:
1 Initial ELDWR lamp lumens depends on the battery pack used.
Add ELDW or ELDWR to product family catalog number. For additional information, see page 542.



ASW shown

DC Options

The DC option provides an auxiliary emergency socket for either a 20- or 35-watt, 12-volt DC bayonet base MR11 lamp for use with separate external 12-volt emergency power source (provided by others).

		Product families		
DC lamp option suffix[1] (# of lamps/wattage)	Initial lumens (per lamp)	Contour® TWAC	Architectural sconce WSR, WST, WSQ	Aeris™[2] ASW
DC2012 (1) 20W lamp	350	■	■	■
2DC2012 (2) 20W lamps	350	■	■	■
DC12 (1) 35W lamp	660	■	■	■
2DC12 (2) 35W lamps	660	■	■	■

■ Available
(blank) Not available

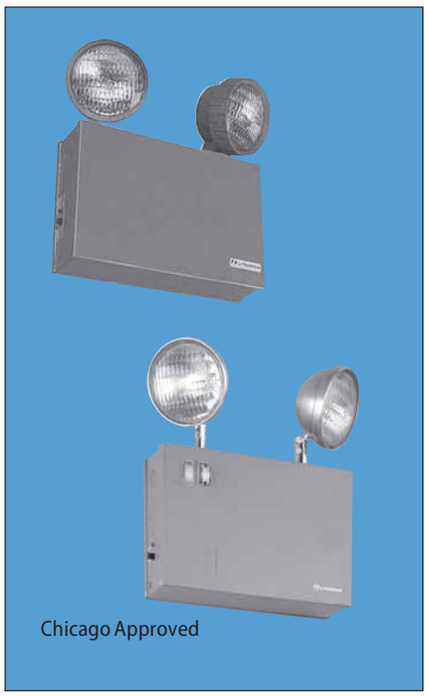
NOTES:
1 Add DC option suffix to product family catalog number.
2 Consult factory for wattage and reflector availability.
For additional information, see page 542.



TWAC shown

Die-Formed Steel Emergency Lighting Units

Titan®



Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Designed for general/light industrial environments requiring a steel housing.

Features

True glass sealed-beam lamps in polycarbonate lamp housings (metal housings standard on Chicago units).

Housing is die-formed steel, finished with corrosion-resistant instrument tan enamel.

Maintenance-free batteries. Lead-calcium standard, nickel-cadmium optional.

Titan® Series units will power a variety of remote devices up to rated wattage of unit.

Chicago Approved — ELT24C and ELT36C meet City of Chicago requirements.

Listings

UL Listed. NOM Certified (see Options).

Ordering Information

Example: **ELT24 H LD**

	Options										Standard lamp	
Type	N	R0	H	H1212	MT	AM[2]	VM[2]	LD	TD	NOM	Catalog number	Watts
ELT16	■	■	■		■	■	■	■		■	N0806	8
ELT24	■	■	■		■	■	■	■		■	N0806	8
ELT24C		■	■		❑	■	■	■		■	H1206	12
ELT36		■	■		■	■	■	■		■	N0806	8
ELT36C		■	■		❑	■	■	■		■	H1206	12
ELT50[1]	■	■	■	■	■	■	■	■	■	■	N1212	12
ELT125		■	■	■	■	■	■	■	■	■	N1212	12
ELT180		■	■	■	■	■	■	■	■	■	N1212	12
ELT275		■	■	■	■	■	■	■	■	■	N1212	12

❑ Standard
■ Option available
(blank) Option not available

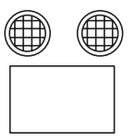
NOTES:
1 ELT50 unit uses ELT125 housing when ordered with VM, AM or TD options.
2 AM and VM must be ordered together.

For additional lamp heads and remote fixtures, see pages 449-450.
For spacing guidelines, see page 455.
For accessories, see page 451.

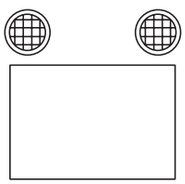
Option descriptions

N	Maintenance-free nickel-cadmium batteries
R0	Less lamp heads
H	8W halogen lamps (6W on ELT24)
H1212	12W/12V halogen lamps
MT	Metal lamp heads
AM	Ammeter[2]
VM	Voltmeter[2]
LD	Load disconnect switch
TD	Integral time delay (12V only)
NOM	NOM Certified

Drawings for dimensional detail only. May not represent actual mechanical configuration. Dimensions are shown in **inches (millimeters)** unless otherwise noted. For details on accessories, batteries and remote fixtures, see pages 450-451.



ELT16/24/24C/36/36C/50[1]
Width: 11-5/8(295)
Depth: 3-5/8(92)
Height: 7-7/8(200), 14(356) with lamps
Weight: ELT16/24/24C: 12.5 lbs.(5.7 kgs.)
ELT36/36C/50: 17 lbs.(7.7 kgs.)



ELT125/180/275
Width: 18(457)
Depth: 9(229)
Height: 12(305), 18(457) with lamps
Weight: ELT125: 43.5 lbs.(19.7 kgs.)
ELT180: 58.5 lbs.(26.5 kgs.)
ELT275: 61.5 lbs.(27.9 kgs.)

Electrical Application Data								
	AC Input			Output	Output Watts			
Type	Volts	Amps	Watts	Volts	1-1/2 hrs	2 hrs	3 hrs	4 hrs
ELT16	120	.167	20	6	16	12	8	6
	277	.072	20	6	16	12	8	6
ELT24	120	.167	20	6	24	24	16	12
	277	.072	20	6	24	24	16	12
ELT24C	120	.167	20	6	24	24	16	12
	277	.072	20	6	24	24	16	12
ELT36	120	.167	20	6	36	36	24	18
	277	.072	20	6	36	36	24	18
ELT36C	120	.167	20	6	36	36	24	18
	277	.072	20	6	36	36	24	18
ELT50	120	.250	30	12	50	37	25	18
	277	.108	30	12	50	37	25	18
ELT125	120	.250	30	12	125	93	67	46
	277	.108	30	12	125	93	67	46
ELT180	120	.287	50	12	180	135	90	67
	277	.125	50	12	180	135	90	67
ELT275	120	.287	50	12	275	206	137	103
	277	.125	50	12	275	206	137	103

Z – Class I, Div. 2

Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Designed for Class I, Division 2 environments.

Features

Impact-resistant, fiberglass-reinforced polyester housing. Gray with stainless steel hardware. View-through window allows easy monitoring of AC indicator and optional voltmeter and ammeter.

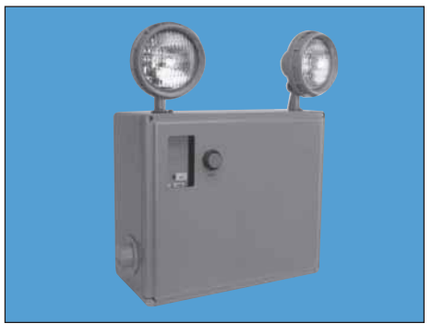
Housing suitable for use in NEMA 4, 4X, 12 and 13 areas; Class I, Division 2, Groups A, B, C & D, Zone 2, Groups IIA, IIB + H2 & IIC and Class II, Division 2, Groups F & G.

Lamp heads are Class I, Div. 2 rated polycarbonate sealed beam PAR36 tungsten or halogen lamps. 8W tungsten lamps for 6V units and 12W tungsten lamps for 12V units are standard.

Optional shatter-resistant shield is designed for use in food service areas.

Listings

UL Listed.



Ordering Information

Example: **Z650 N2506 SD**

Family

6V lead-calcium

Z625	25 watts[1]
Z650	50 watts[1]
Z6100	100 watts[2,3]
Z6125	125 watts[3]

6V nickel-cadmium

Z625N	25 watts[1,4]
Z650N	50 watts[1,4]

12V lead-calcium

Z1225	25 watts[1]
Z1250	50 watts[1,2]
Z12120	120 watts[3]

12V nickel-cadmium

Z1225N	25 watts[1,4]
Z1250N	50 watts[1,4]
Z1275N	75 watts[1,4]
Z12100N	100 watts[1,4]
Z12125N	125 watts[1,4]

Voltage[5]

(blank)	120/277

No. of lamps

(blank)	Two
R1	One
R0	None

Lamp type

PAR36 sealed-beam, 6-volt

(blank)	8W/6V incandescent
N1806	18W/6V incandescent
N2506	25W/6V incandescent
N3006	30W/6V incandescent
H0806	8W/6V halogen
H1206	12W/6V halogen

PAR36 sealed-beam , 12-volt

(blank)	12W/12V incandescent
N1812	18W/12V incandescent
N2512	25W/12V incandescent
N3012	30W/ 12V incandescent
H0812	8W/12V halogen
H1212	12W/12V halogen

Options[6]

SD	Self-diagnostics[3]
SDA	Self-diagnostics with alarm[3]
VM	Voltmeter
AM	Ammeter
TD1	Time delay 120 VAC
TD2	Time delay 277 VAC
SRS	Shatter-resistant lamp head shield

NOTES:

1 In addition to UL 924, units are listed to 844, 1203 and 1604.
2 Includes temperature compensated charger.
3 Self-diagnostics not available on Z6100, Z6125 and Z12120.
4 Nickel-cadmium units are the only units listed for Class II, Div. 2, Groups F & G applications.
5 Special voltages available; consult factory.
6 Option configurations may impact UL listing. Consult factory for specifics.

For matching remote lamp head or other remote fixture options, see page 449.

Operation DC Voltage	Unit	Standard Lamp Head	Watts to 87-1/2% of Rated Voltage 1 ½ hrs.	2hrs.	4hrs.	8hrs.
6	Z625	N0806	25	19	12	-
	Z650	N0806	50	37.5	24	8.5
	Z6100	N0806	100	75	48	17
	Z6125	N0806	125	94	60	21.5
	Z625N	N0806	25	19	12	-
	Z650N	N0806	50	37.5	24	8.5
12	Z1225	N1212	25	19	12	-
	Z1250	N1212	50	37.5	24	8.5
	Z12120	N1212	120	90	58	20
	Z1225N	N1212	25	19	12	-
	Z1250N	N1212	50	37.5	24	8.5
	Z1275N	N1212	75	56.5	28.5	15
	Z12100N	N1212	100	75	48	17
	Z12125N	N1212	125	94	60	21.5

Electrical

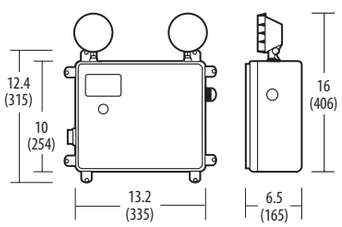
Input power requirements

120 VAC – .58 amps max., 65 watts max.
277 VAC – .27 amps max., 68 watts max.

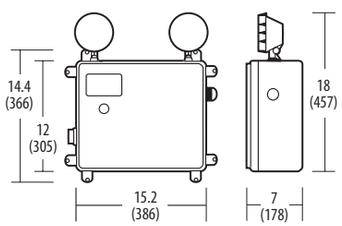
Shipping weight:	
Z625	18 lbs. (8 kgs.)
Z650	18 lbs. (8 kgs.)
Z6100	27 lbs. (12 kgs.)
Z6125	29 lbs. (13 kgs.)
Z625N	16 lbs. (7 kgs.)
Z650N	18 lbs. (8 kgs.)
Z1225	29 lbs. (13 kgs.)
Z1250	29 lbs. (13 kgs.)
Z12120	22 lbs. (10 kgs.)
Z1225N	18 lbs. (8 kgs.)
Z1250N	18 lbs. (8 kgs.)
Z1275N	20 lbs. (9 kgs.)
Z12100N	29 lbs. (13 kgs.)
Z12125N	29 lbs. (13 kgs.)

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

25 Watt to 75 Watt Units

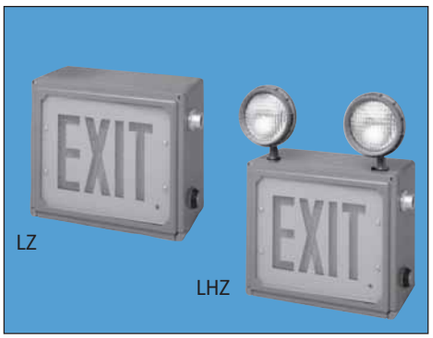


100 Watt to 125 Watt Units



Hazardous Location Emergency Exit and Combo

LZ – Class I, Div. 2



Intended Use

Combo and EL N exit provide 90 minutes of operation for the rated wattage upon loss of AC power. Both are designed for Class I, Division 2 and Class II, Division 2 environments.

Features

Impact-resistant, fiberglass reinforced polyester housing. Gray with stainless steel hardware and clear polycarbonate cover. Includes one-piece formed gasket and corrosion-resistant hardware. Standard internal or external mounting feet for installation flexibility.

Housing suitable for NEMA 4, 4X, 12 and 13 areas; Class I, Division 2, Groups A, B, C & D, Zone 2, Groups IIA, IIB + H_2 & IIC and Class II, Division 2, Groups F & G.

Lamp heads are Class I, Div. 2 rated polycarbonate sealed beam PAR36 tungsten or halogen lamps. 6W halogen lamps standard.

Optional shatter-resistant shield is designed for use in food-service areas.

Non-diffuse LEDs provide maximum face illumination.

LED life up to 25 years based on continuous operation.

Listings

UL Listed.

Ordering Information

Example: **LZ S 1 R 120/277 EL N SD**

Family	Face type	Housing color	No. of faces	LED color	Input voltage[1]	Operation	Options
LZ LED hazardous exit	**S** Stencil	(blank) Gray	**1** Single	**R** Red **G** Green	**120/277** Dual-voltage	(blank) Non-emergency **EL N** Nickel-cadmium battery	**SD** Self-diagnostics **SDA** Self-diagnostics with alarm **TD1** Time delay 120 VAC **TD2** Time delay 277 VAC

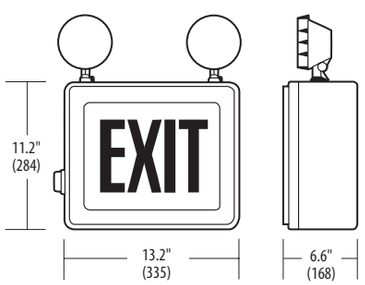
NOTES:
1 Other voltages and frequencies available; consult factory.

Ordering Information

Example: **LHZ S 1 R 120/277 R1 SD**

Family	Face type	No. of faces	Housing color	LED color	Voltage[2]	Lamp heads[1]	Lamp type	Options[3]
LHZ 6V, 6W lead-calcium battery[1] **LHZ612** 6V, 12W lead-calcium battery **LHZ624** 6V, 24W lead-calcium battery **LHZ660** 6V, 60W lead-calcium battery	**S** Stencil	**1** Single	(blank) Gray	**R** Red **G** Green	**120/277** Dual voltage	(blank) 2 heads **R1** 1 head **R0** No heads	PAR36 sealed beam (blank) 6W/6V halogen **N0806** 8W/6V incand. **N1806** 18W/6V incand. **N2506** 25W/6V incand. **N3006** 30W/6V incand. **H0806** 8W/6V halogen **H1206** 12W/6V halogen	**SD** Self-diagnostics **SDA** Self-diagnostics with alarm **TD1** Time delay 120 VAC **TD2** Time delay 277 VAC **SRS** Shatter-resistant lamp head shield

Dimensions are shown in **inches (millimeters)** unless otherwise noted.



Electrical (EXIT)
Input power requirements at 120V AC (red and green): AC only = 9.5W, emergency operation = 11W, .90 power factor.

Electrical (COMBO)
Input power requirements at 120V AC: red = 25.2W max., green = 25.2W max.

NOTES:
1 LHZ has 6W total capacity. Will be shipped with one 6W lamp head unless R0 option is selected.
2 Other voltages and frequencies available; consult factory.
3 Some option configurations may impact UL listing; consult factory for details.

www.lithonia.com, keywords: LZ and LHZ

ZX – Class I, Div. 1

Intended Use

Suitable for use in Class I, Div. I, Groups C & D, Zones 0, 1, & 2, Groups IIA, IIB + H_2 & IIC; Class I, Div. 2, Groups C & D, Zone 2, Groups IIA, IIB + H_2 & IIC; Class II, Div.1, Groups E, F & G; Class I, Div. 2, Groups F & G and Class III hazardous location areas.

Features

Copper-free cast-aluminum enclosure withstands explosions generated by internal arc without propagating them into hazardous atmosphere.

Listings

UL Listed.



Ordering Information

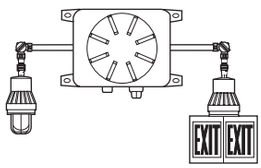
Example: **ZX614N TD1**

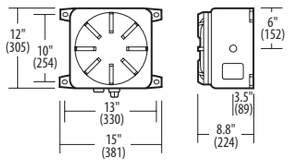
Family	Voltage[3]	Options
6V lead-calcium	(blank) **120/277**	**KLD** Key lock two-way, battery disconnect for servicing
ZX685 85 watts[1]		**TD1** Time delay 120 VAC
6V nickel-cadmium		**TD2** Time delay 277 VAC
ZX614N 14 watts[2]		
ZX628N 28 watts		
12V nickel-cadmium[1]		
ZX1250N 50 watts		

Shipping weight:
ZX614N – 63 lbs. (28 kgs.)
ZX628N – 65 lbs. (29 kgs.)
ZX1250N – 67 lbs. (30 kgs.)
ZX685 – 69 lbs. (31 kgs.)

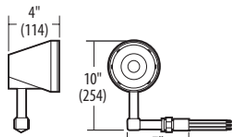
The sample application consists of:

(1) **ZX614** – 14 watt power pack for exclusive use with compact fluorescent fixtures.
(2) **ELA SEA** – Elbow arms.
(2) **ELA ZX CF0706 PM** – 7-watt compact fluorescent lamp fixture.
(1) **ELA EAK** – Exit accessory kit.





Accessories	(Order separately)
ELA ZX DRH	12W/12V directional head



ELA ZX DRH Accessory

NOTES:
1 Incandescent emergency lamp operation only.
2 Compatible only with ELA ZX remotes using 7W compact fluorescent lamps. Will not operate incandescent lamps. Maximum remote mounting distance is 8'.
3 Some special voltages available; consult factory.

Explosion-Proof Remotes

ELA ZX – Class I, Div. 1

Intended Use

Suitable for use in Class I, Div. 1, Groups C & D, Zones 0, 1 & 2, Groups IIA, IIB + H_2 & IIC; Class I, Div. 2, Groups C & D, Zone 2, Groups IIA, IIB + H_2 & IIC; Class II, Div. 1, Groups E, F & G; Class I, Div. 2, Groups F & G and Class III hazardous location areas.

Features

Copper-free, cast-aluminum enclosure withstands pressure of explosions generated by internal arc without propagating them into hazardous atmosphere. Enclosure has corrosion-resistant, epoxy powder coat finish.

Top- and wall-mount fixtures have a universal junction box with four tapped holes for 3/4" rigid conduit (three hole plugs provided).

Listings

UL Listed. Meets UL 924 and 844 illumination standards.

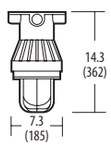


Ordering Information

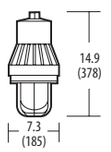
Example: **ELA ZX H0706 WM**

Family	Fixture	Lamp type	Mounting
ELA	**ZX** Explosion-proof	Emergency only, halogen	**WM** Wall mount
		H0706 7W/6V halogen	**PM** Pendant mount
		H1006 10W/6V halogen	**TM** Top mount
		H1206 12W/6V halogen	
		H1212 12W/12V halogen	
		AC / emergency operation	
		CF0706 7W compact fluorescent[1]	

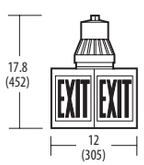
Ceiling



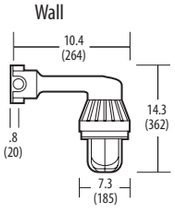
Pendant



Accessory



Wall



Accessories	(Order separately)
ELA 3CH	3-way explosion-proof 3/4" conduit hub.
ELA SEA	Swivel elbow arm for use with pendant-mount fixture to connect to ELA 3CH or ELA ZX unit.
ELA EAK	Exit accessory kit (red silk-screened letters on white background).
ELA SDR	Straight dome reflector.

NOTES:
1 Operates only with ZX614N power pack in AC and emergency modes. Maximum mounting distance from ZX614N is 8'. See specification sheet UE-296 for details.

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

Shipping weight: 15 lbs. (7 kgs.)

www.lithonia.com, keywords: ZX and ELA ZX

ELA ZCD – Class II, Div. I

Remote Heads



Intended Use

ELA ZCD models suitable for use in Class II and III, Division I environments.

Features

Corrosion-resistant, cast aluminum alloy with epoxy polyester finish.

Top-mount fixture with single wall remote has universal junction box with four tapped holes for 3/4" rigid conduit (three close-up plug provided).

Twin wall remote has junction box with two tapped holes for 3/4" rigid conduit (one close-up plug provided).

Listings

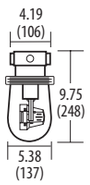
UL Listed. Meets UL 924, 844, and 1203 illumination standards. UL Listed for use in Class II, Division 1, Groups, E, F & G and Class III areas.

Ordering Information

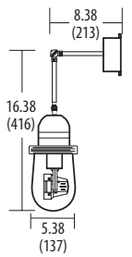
Example: **ELA ZCD H1212 WM**

Remote	Family	Heads	Lamp type	Mounting	Options
ELA	**ZCD** Hazardous combustible dust	(blank) Single **T** Twin[1]	**H1206** 12W/6V halogen **H1212** 12W/12V halogen	**WM** Wall mount **TM** Top mount **SM** Side mount to ZX1250N unit	**WGZCD** Wireguard

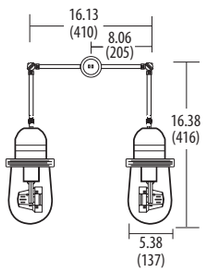
ELA ZCD H1206 TM



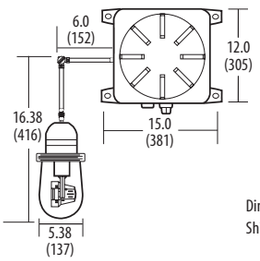
ELA ZCD H1206 WM



ELA ZCD T H1206 WM



ELA ZCD H1212 SM



NOTES:
1 Only available with wall mount.

Dimensions are shown in inches (millimeters) unless otherwise noted.
Shipping weight: 18 lbs. (8 kgs.)

Remote Fixtures

Open Cone[1]



6" PAR36[3]
ELA OC N0806 (6V/8W)
ELA OC H0806 (6V/8W)
ELA OC N1212 (12V/12W)
3" MR16 LV3 Series
ELA LV3 OC H1006
ELA LV3 OC H1012

L=11-3/8(289), W=8-3/8(213), H=8-1/2(216)

Stepped Baffle



6" PAR36[3]
ELA SB N0806 (6V/8W)
ELA SB H0806 (6V/8W)[3]
ELA OC N1212 (12V/12W)
3" MR16 LV3 Series
ELA LV3 SB H1006
ELA LV3 SB H1012

L=11-3/8(289), W=8-3/8(213), H=8-1/2(216)

Eyeball[1]



6" PAR36[3]
ELA EB N0806 (6V/8W)
ELA EB N1212 (12V/12W)
ELA EB H1212 (12V/12W)
3" MR16 LV3 Series
ELA LV3 EB H1006[3]
ELA LV3 EB H1012[3]

L=11-3/8(289), W=8-3/8(213), H=5-1/2(144)

Recessed Rectangle



ELA RR
S8 or S11 DC bayonet base lamp up to 25W (not included)

L=8-3/16(208), W=4-1/2(115), D=3-3/8(86)

Square Series



ELA SQR6V (6V/10W)
ELA SQR12V (12V/12W)

NOTE: Order **ELA FRK** for fully-recessed mounting or **ELA SRK** for semi-recessed mounting.

L=10-5/16(262), W=10-5/16(262), H=3-7/16(87)

Surface Gimbal



ELA SG N1212 (12V/12W)
ELA SG N1812 (12V/18W)
ELA SG N2512 (12V/25W)
ELA SG H0812 (12V/8W)
ELA SG H1212 (12V/12W)

Diameter=7-7/8(200), depth=5(127)

Recessed Gimbal



ELA RG N1212 (12V/12W)
ELA RG N1812 (12V/18W)
ELA RG N2512 (12V/25W)
ELA RG H0812 (12V/8W)
ELA RG H1212 (12V/12W)

Diameter=8-1/4(209), depth=5-1/4(133)

Weatherproof



ELA WP
PAR46 12V/35W

Diameter=6-3/8(162), depth=8-1/2(216)

Outdoor Step Light



ELA OSL
12W halogen bi-pin lamp (not included)

Outdoor Mini Cylinder[2]



MR11
ELA OMC DDB
ELA OMC DNA
ELA OMC
H1006 (6V/10)
H2006 (6V/20W)
H1012 (12V/10W)
H2012 (12V/20W)

Round Outdoor Step Light



MR16
ELA CL
H1006 (6V/10W)
H2006 (6V/20W)
H1012 (12V/10W)
H2012 (12V/10W)

NOTES:
1 Rough-in section same as Lithonia downlighting LV Series, less transformer.
2 Twin version available.
3 Other lamps available.

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

Ordering Information – Lamp heads on this page can be ordered as separate fixtures, or as individual or twin remote heads with a mounting plate.

To Order Remotes: Order as separate line items.

Ordering Information

EXAMPLE: **ELA IND H2012**

Emergency lighting accessory	Color	Number of lamps	Lamp head style	Lamp type
ELA	(blank) Standard color **B** Black **W** White **ITN** Instrument tan (Titan® Series match). Available on standard PAR36 and NX head only	(blank) Single **T** Twin	(blank) Standard PAR36 **MR24** Multi-faceted reflector **CDS** Compact designer square **SSB** Square PAR36 **IND** Indura® **NX** Sealed and gasketed PAR36 **MT** Metal PAR36 **Z** Hazardous PAR36 (Class I, Division II)	Select from lamp compatibility chart on page 450. (For Indura® sealed beam lamps add suffix **S** to lamp nomenclature. Example: H35I2**S**)

Standard PAR36



(blank)

Width:	4-3/4" (121) single head, 13" (330) twin heads
Height:	7-3/4" (197)
Depth:	5-1/16" (129)
Standard color:	Desert tan

Multi-Faceted Reflector



MR24

Width:	4-5/8" (117) single head, 6-5/8" (168) twin heads
Height:	6-5/8" (168) single head, 4-1/2" (114) twin heads
Depth:	2-1/2" (63)
Standard color:	White Quantum® match

Compact Designer Square



CDS

Width:	3-7/8" (98) single head, 10-5/8" (270) twin heads
Height:	4-1/4" (108)
Depth:	4-1/8" (107)
Standard color:	Ivory white

Square PAR36



SSB

Width:	4-3/4" (121) single head, 10-1/2" (267) twin heads
Height:	5" (127)
Depth:	4-1/2" (115)
Standard color:	White

Indura® Remote



IND

Width:	5-7/8" (149) single head, 7-1/8" (181) twin heads
Height:	5-1/8" (130)
Depth:	5-3/8" (137)
Standard color:	Gray head and mounting plate, blue lamp housing

Sealed & Gasketed PAR36



NX

Width:	4-3/4" (121) single head, 13" (330) twin heads
Height:	7-3/4" (197)
Depth:	5-1/16" (129)
Standard color:	Gray

Metal PAR36



MT

Width:	4-5/8" (118) single head, 10-1/2" (267) twin heads
Height:	5-1/8" (130)
Depth:	6-1/2: (165)
Standard finish:	Chrome
Optional finish:	White

Hazardous PAR36



Z

Width:	4-3/4" (121) single head, 13" (330) twin heads
Height:	7-3/4" (197)
Depth:	5-1/16" (129)
Standard color:	Gray Z Series match

Mounting Plate Dimensions for MT:
Single Head = 2-3/4 (70) W X 4-1/2 (115) H
Two Head = 4-9/16 (116) W X 4-1/2 (115) H

Mounting Plate Dimensions for IND:
5-1/8 (130) W X 4 -11/16(119) H

Mounting Plate for MR24:
6-7/8 (175) W X 4-5/8 (117) H

Mounting Plate for All Others:
3-1/8 (79) W X 5 (127) H

NOTES:
For photometric information, visit our website at www.lithonia.com.

Consult factory for additional lamp availability.

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

Remote Lamp Heads

Composite Lamps

	6 Volt										12 Volt							24 Volt		
	Incandescent			Halogen					Krypton		Incandescent			Halogen			Krypton	Incandescent		Halogen
Lamp Type	N0606	N0806	N0906	H0606	H0806	H1006	H1206	H2006	K0606	K0906	N0912	N1212	N1812	H0812	H1212	H2012	K0912	N0924	N1824	H2024
Wattage	6W	8W	9W	6W	8W		12W	20W	6W	9W	9W	12W		8W	12W	20W	9W	9W	18W	20W
MR24						■	■	■	■			■	■	■						
CDS	■	■	■	■	■					■	■	■	■							
IND							■	■		■					■	■	■			■

■ Available
(blank) Not available

Sealed-Beam Lamps

	6 Volt								12 Volt									24 Volt
	Incandescent				Halogen				Incandescent					Halogen				Incand.
Lamp type	N0806	N1206	N1806	N2506	H0606	H0806	H1206	H2006	N1212	N1812	N2512	N3512	N5012	H0812	H1212	H3512	H5012	N5024
Wattage	8W	12W	18W	25W	6W	8W	12W		12W	18W	25W	35W	50W	8W	12W	35W	50W	50W
SSB	■	■			■	■	■		■	■	■	■			■	■		
IND																■	■	■
NX	■	■			■	■	■		■	■	■	■	■	■	■	■	■	
Standard PAR36	■	■			■	■	■		■	■	■			■	■			
MT	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	

■ Available
(blank) Not available

Wireguard Compatibility

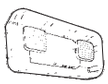
UL Listed Products

Catalog Number	ELT 50[1] (w/options), 125[1], 180[1], 250[1], 275[1], INDX	Single remote heads	Twin remote heads	ELT 50 (w/option), 125, 180, 250, 275	IND (18-100 Watts)	ELM618, ELM627, ELM654, ELM1254, ELM1272	LHQM	ELM; ELM2; ELT 16, 24, 36, 50; ELSQ	IND (150-450 Watts)	Dimensions
					Units					
ELA WGHQM							■			28W x 15H x 8D
ELA WGLG									■	21W x 20H x 18D
ELA WGLT				■						$22^{15}/_{16}$W x $24^{3}/_{8}$H x $12^{3}/_{8}$D
ELA WGRH		■								$11^{15}/_{16}$W x $12^{3}/_{8}$H x $9^{3}/_{8}$D
ELA WGST								■		15W x 15H x 6D
ELA WG2			■							$15^{1}/_{8}$W x $14^{3}/_{8}$H x $8^{5}/_{8}$D
ELA WG2M					■	■				$20^{1}/_{4}$W x 15H x 12D
ELA WG4/8	■									$22^{1}/_{8}$W x $22^{15}/_{16}$H x 10D
					Exits					
ELA WGEX		Back mounted exits								$13^{5}/_{8}$W x $13^{5}/_{8}$H x $4^{3}/_{4}$D
ELA WGEXT		Top mounted exits								14W x 11H x $6^{3}/_{4}D^{2}$
ELA WGEXE		End mounted exits								15W x 11H x $4^{3}/_{4}D^{2}$

■ Available
(blank) Not available

NOTES:
1 Without heads.
2 Measurement at smallest point of guard.

Vandal Shield
ELA VS2
ELA VS



1/8," thick, (ELAVS2) high-impact or 3/16" thick (ELAVS) transparent polycarbonate shield. Fits all Lithonia Quantum ELM and ELM2 (ELA VS), and ELM618, ELM627, ELM654, ELM1254, ELM1272 (ELA VS2) units. 10"H x 22" W x 9-3/4" D (ELA VS2); 8 1/2"H x 15" W x 4 3/4" D (ELA VS).

Low Voltage Relay
ELA LVR



Converts any incandescent low voltage (12V) downlight (75W maximum) to an emergency downlight when remoted from a 12V Lithonia emergency lighting unit (ELT125, etc.).

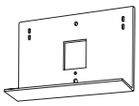
Remote Test Switch Less Pilot Light
ELA RTLP



Provides remote testing capability to all Lithonia Lighting unit equipment, exit signs, fluorescent battery packs and emergency downlights. Mounts on standard J-box, ceiling or wall.

Mounting Shelves

ELA MS4/8[1]	ELM4, ELM10,
ELA MST[2]	ELT125, ELT180, ELT275
ELA MSTS[2]	ELT16, ELT24, ELT24C, ELT36, ELT36C, ELT50



Indura® Accessories

ELA IND PM	Pendant mount kit for Indura® small housing
ELA IND CM1	Ceiling mount kit for IND618
ELA IND CM2	Ceiling mount kit for IND654, IND1236 and IND1254
ELA IND CM3	Ceiling mount kit for IND6100
ELA INDX CM2	Ceiling mount kit for INDX654, INDX1236 and INDX1254
ELA IND R3	Prepack kit to field install third head on Indura® unit
ELA RTT	Remote transmitter
ELA BS	Banding strip
ELA IND RHB	Remote head bracket for surface-mounted j-boxes







Replacement Batteries for Emergency Lighting Units

■ Available (blank) Not available

Type	ELB 06042 lead-calcium L: 2-3/4 (70) W: 1-7/8 (48) H: 4-1/8 (102)	ELB 0607 lead-calcium L: 4 (102) W: 1-1/2 (38) H: 6 (152)	ELB 0612A lead-calcium L: 6 (152) W: 2 (51) D: 4 (102)	ELB 0614 lead-calcium L: 4-1/4 (108) W: 2-3/4 (70) H: 5-1/2 (140)	ELB 1228 lead-calcium L: 7-7/8 (198) W: 5-1/4 (133) H: 7-3/8 (187)	ELB 1255 lead-calcium L: 10-1/4 (259) W: 6-3/4 (171) D: 8-3/4 (222)	ELB 0604N nickel-cadmium L: 3-7/8 (98) W: 2-3/8 (60) H: 2-3/8 (60)
ELM/ELM2	■						
ELM618		■					
ELM627			■				
ELM654			■[3]				
ELM1254			■[3]				
ELM1272			■[3]				
ELSQ/ELSQM	■						
ELSQM N							■
ELT16		■					
ELT16 N							
ELT36/36C				■			
ELT50				■[3]			
ELT125					■		
ELT275						■	
ELR2		■					
ELR2 N							■
ELR4				■[3]			
ELCC/ELCCT	■						
AFN	■						

NOTES:
1 Standard color is desert tan. To order white, add **W** to catalog number (Example: **ELA W MS4/8**).
2 Standard instrument tan.
3 Uses two batteries.
4 Replacement batteries are for Indura® Series 12 units. Consult factory for replacement batteries for previous series.

Indura®/Indura® 4x Replacement Batteries[4]

■ Available (blank) Not available

Type	ELB 0612A L: 4-1/4 (108) W: 2-3/4 (70) H: 5-1/2 (140)	ELB 0636 L: 5-7/8 (150) W: 6 (154) H: 3-5/8 (93)	ELB1224B L: 3-7/8 W: 6 (154) H: 7-3/4 (198)	ELB 1208AH L: 5-7/8 (150) W: 8 (205) H: 3-5/8 (93)	ELB 1228 L: 7-7/8 (198) W: 5-1/4 (133) H: 7-3/8 (187)	ELB1228AH L: 6-3/4 (173) W: 6-1/2 (166) H: 7-3/4 (198)	ELB 1250 L: 8-5/8 (221) W: 5-5/16 (136) H: 8-13/16 (226)	ELB 1255 L: 10-7/32 (262) W: 6-11/16 (171) H: 9-21/32 (247)	ELB 12100 L: 12 (307) W: 6-11/16 (171) H: 9-3/4 (250)	ELB 2412A L: 5-7/8 (150) W: 8 (205) H: 3-5/8 (93)	ELB0607NFH L: 6-3/4 (171) W: 1-1/3 (34) H: 3-3/4 (95)
IND618/INDX618	■										
IND654/INDX654	■										
IND6100/INDX6100	■[3]										
IND1236/INDX1236		■									
IND1236ULT/INDX1236ULT											■
IND1254/INDX1254	■[3]										
IND1254ULT/INDX1254ULT				■							
IND12100/INDX12100			■			■					
IND12100ULT/INDX12100ULT					■						
IND12150/INDX12150					■[3]						
IND12300/INDX12300											
IND12450/INDX12450									■[3]		
IND24100/INDX24100										■	
IND24450/INDX24450							■[3]				

EAC IST
EAC ISS



Intended Use

Automatic standby AC power systems for incandescent and fluorescent emergency lighting loads that provide full light output for 90 minutes of operation.

Features

Microprocessor-controlled PWM inverter with IGBT technology allows for universal compatibility.

RS232 interface option allows communication with system from remote computer. Low voltage disconnect, short circuit protection, current limiting and brown-out protection.

EAC IST:

One compact self-contained cabinet.

12-hour battery recharge. Input circuit breaker. Normally on and off output circuit breakers.

20-character display with touch pad (4x4) controls, functions and data logging.

Programmable self-diagnostic testing for 5 minutes monthly and 90 minutes annually is standard.

20 millisecond transfer time.

EAC ISS:

Stackable, modular cabinet design enabling versatile installation.

Systems 4KVA and below are self-contained. Larger systems require external, stackable battery cabinets.

Standard digital meter panel displays input/output voltage, battery voltage and output current.

24-hour battery recharge standard.

50 millisecond transfer time.

Listings

UL 924 Listed – 90 minutes of emergency operation.

Ordering Information

Example: **EAC LC IST 1350 120/120 OTA**

Family	Battery type	System type	VA rating	Voltage
EAC Emergency AC power system	**LC** Lead-calcium	**IST** Interruptible	**750** **1350**	*Input/Output* **120/120** **277/277**

Options

(blank) None

Battery
- **2HR** 2-hour run time
- **4HR** 4-hour run time[1]

Input/Output
- **OTA** Output trip alarm

Miscellaneous
- **Modem** External modem for RS232
- **3WS** External 3-way switch
- **RMP** Remote meter panel[2]
- **FSP** Factory start-up program
- **RS232** Diagnostic interface
- **DFC** Form "C" contact
- **DBR** Dimmer bypass relay

NOTES:
1 Only available on the 750 VA.
2 Not available with the RS232.

Ordering Information

Example: **EAC LC ISS 1500 120/120 OCB**

Family	Battery type	System type	VA rating[1]	Voltage[2]
EAC Emergency AC power system	**LC** Lead-calcium **LC20** Lead-calcium battery. 20-year life	**ISS** Interruptible	**1500** **2250** **3000** **3750** **5000** **6000** **8000** **10000** **12500** **16700**	*Input/Output* **120/120** **277/277** **277/120** **120/120-277** **277/120-277**

Options

(blank) None

Battery
- **12HR** 12-hour battery recharge

Electronic
- **TD** Time delay (15 minute)

Input/Output
- **OCB** Output circuit breaker (specify quantity and amps)[3]
- **OTA** Output trip alarm

Miscellaneous
- **FSP** Factory start-up program
- **RMP** Remote panel meter
- **MBYP** Maintenance bypass switch
- **RS232** Diagnostic interface
- **DFC** Form "C" contact

NOTES:
1 Systems 5000VA (5KVA) or larger require external battery cabinets.
2 Consult factory for other voltages.
3 Standard 20-amp, *normally on* unless otherwise specified.

EAC FT
EAC 3FT

Intended Use

An off-line AC power system for the emergency operation of HID, incandescent and fluorescent emergency lighting loads that provides full light output for 90 minutes of operation.

Features

Microprocessor-controlled PWM inverter with IGBT technology allows for universal compatibility.

Sinusoidal output waveform has <3% THD.

Off-line uninterruptable system has 2-millisecond transfer time.

Standard circuit protection: low voltage disconnect, short circuit protection, current limiting, fused battery protection, brownout protection, input circuit breaker.

Standard RS232 diagnostic interface.

Listings

UL 924 Listed – 90 minutes of emergency operation.

EAC FT output ratings: 1,500 VA to 16,700 VA. Single phase system.

EAC 3FT output ratings: 4,800 VA to 50,000 VA. Three-phase system.



Ordering Information

Example: **EAC LC 3FT 6000 120-208/120-208 FSP**

Family	
EAC	Emergency AC power system

Battery type	
LC	Lead-calcium

System type	
FT	Fast transfer
3FT	3-phase fast transfer

VA rating
1500[1]
2250[1]
3000[1]
3750[1]
4800
6000
8000
10000
12500
16700
24000[2]
33000[2]
40000[2]
50000[2]

Voltage[3]
Input/Output
120/120[1]
277/277[1]
277/120[1]
120/120-277[1]
277/120-277[1]
120-208/120-208[2]
277-480/277-480[2]

Options	
(blank)	None
Battery	
12HR	12-hour battery recharge
Supervisory	
RMP	Remote meter panel
MBYP	Maintenance bypass switch[4]
XMBYP	External maintenance bypass switch
Input/output	
OCB	Output circuit breaker (specify quantity and amps)[5]
OTA	Output trip alarm
Miscellaneous	
FSP	Factory start-up program
DFC	Form "C" contacts
NOFF	Normally OFF output circuit[6]
MODEM	External modem for RS232

NOTES:

1 Available on FT only.

2 Available on 3FT only.

3 Consult factory for other voltage requirements. Special voltages may affect the weight, size and number of cabinets.

4 Standard on 3FT.

5 Standard 20-amp *normally on* unless otherwise specified.

6 Normally off load cannot exceed 20% of total VA rating with any combination of HID loads.

www.lithonia.com, keywords: EAC FT and EAC 3FT



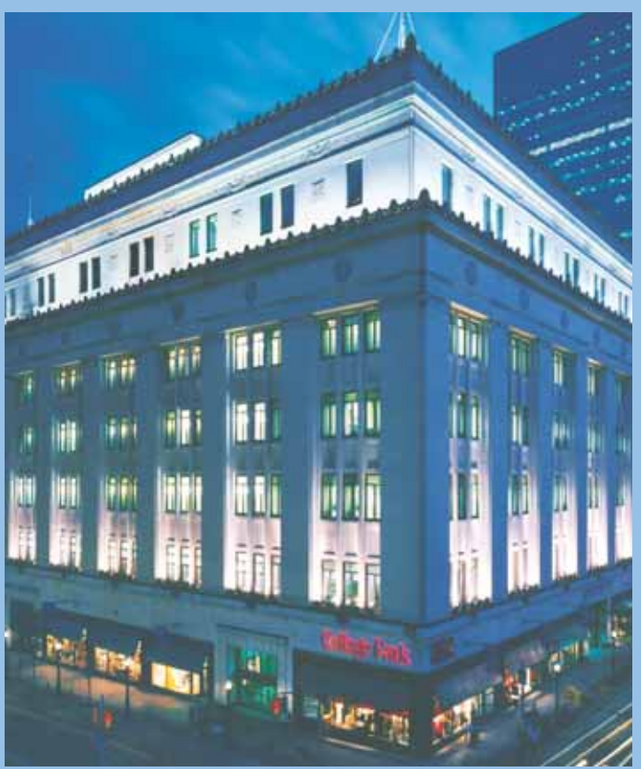
Outdoor

Lithonia Lighting outdoor products are unmatched in the industry for distinctive designs, mechanical integrity and high-performance optical systems.

These high-quality products are characterized by superior-grade materials for reliability, highly engineered designs for performance and skilled craftsmanship for aesthetic styling.

With a wide selection of luminaires, poles, mounting options and finishes, Lithonia Lighting is your best choice for every architectural and general purpose lighting application.





CONTENTS


473


475


476

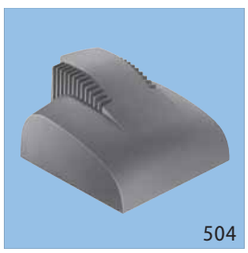

481


492

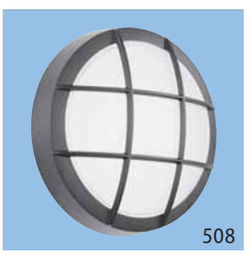

496


499


502


504


506


508


513


515


516


518


522


526


536

Area Lighting	470
Roadway Lighting	486
Security Lighting	496
Site Lighting	499
Building-Mounted Lighting	504
Parking Garage Lighting	518
Canopy Lighting	521
Floodlighting	522
Motion Sensors	536
Sportslighting	538
Options & Accessories	540
Floodlighting Design Guidelines	550
Poles	552

AERIS™

Architectural Outdoor Illumination

Style - Versatility - Performance



Graceful curvature, advanced optics and uncompromised construction.

Whether it's a parking area, a building entrance or full campus area lighting, the Aeris™ Architectural Outdoor Family delivers a complete lighting solution.

Aeris™ Architectural Area & Roadway Lighting

Add a touch of style to roadway and area lighting. AS1 and AS2 low-profile illumination solutions are designed to provide superior and precise lighting performance.

Located on page 472.



Aeris™ Suspend

Bring the unique architectural element of the AST decorative extension to your AS area application environment.

Located on page 473.



Aeris™ Building Mounted

Combine stylish form with the function of full cutoff roadway and specialty distributions with the field aiming capabilities of ASW architectural building mounted illumination.

Located on page 504.



Aeris™ Bollard

Illuminate pathways with aesthetically pleasing bollards – the ASB Series offers a variety of decorative tops and lighting distribution to choose from.

Located on page 499.



Aeris™ Floodlight

Provide sophisticated floodlight designs with the ASF – quality engineered optics in two housing styles deliver flexible performance in both in low and high wattage.

Located on page 522.



Architectural Arm-Mounted Full Cutoff

AS

Area

Aeris™



Intended Use

For streets, walkways, parking lots and surrounding areas.

Features

Housing – Die-cast single-piece aluminum with nominal 1/8" wall thickness. Integral arm provides easy installation to pole or wall. Housing completely sealed against moisture or environmental contaminants.

Door Assembly – Die-cast door frame, impact-resistant, tempered, glass lens, 3/16" thick, fully sealed with one-piece tubular silicone gasket. Tool-less entry and closure via spring-loaded die-cast latches.

Optics – Anodized segmented reflectors for superior uniformity and control. Reflectors attach with tool-less fasteners and are rotatable and interchangeable.

Installation – Heavy-duty easy-mount block attaches to pole or wall to provide ease of installation as well as ensured alignment and leveling.

Electrical – 150W and below utilize a high reactance, high power factor. 175W and above use a constant-wattage autotransformer ballast. Compact fluorescent uses an electronic high frequency ballast. Ballasts mounted on removable power tray with tool-less latch and have positive locking disconnect plugs. Ballasts are copper wound and 100% factory tested.

Finish – Standard finish is dark bronze (DDB) corrosion-resistant polyester powder finish. Other architectural colors available.

Socket – Porcelain, medium-base socket for AS1, mogul-base socket for AS2, with copper alloy nickel-plated screw shell and center contact. Fluorescent is four-pin positive latching thermoplastic. UL Listed.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations in lens-down orientation (damp location listed in lens-up orientation). Meets IESNA full cutoff criteria. U.S. patent no. D447, 590. Canadian patent no. 94324.

Ordering Information

Example: **AS1 150S SR2 120 SPA SF LPI**

Designation

High pressure sodium
- **AS1 35S**[1]
- **AS1 50S**[2]
- **AS1 70S**
- **AS1 100S**
- **AS1 150S**
- **AS2 200S**
- **AS2 250S**
- **AS2 400S**

Metal halide
- **AS1 50M**[3]
- **AS1 70M**[3]
- **AS1 100M**
- **AS1 150M**[4]
- **AS1 175M**
- **AS2 200M**[5]
- **AS2 250M**[4]
- **AS2 320M**[5]
- **AS2 350M**[5]
- **AS2 400M**[4]

Compact fluorescent
- **AS1 2/32TRT**[6]
- **AS1 42TRT**
- **AS1 2/42TRT**[6]
- **AS1 57TRT**
- **AS1 70TRT**

Distribution

- **SR2** Segmented Type II roadway
- **SR3** Segmented Type III asymmetric
- **SR4SC** Segmented Type IV forward throw, sharp cutoff
- **SR4W** Segmented Type IV wide, forward throw (size 2 only)
- **SR5S** Segmented Type V square

Voltage

- **120**
- **208**[7]
- **240**[7]
- **277**
- **347**
- **480**[7]
- **TB**[8]
- **MVOLT**[9,10]

Mounting[11]

Included
- **SPA** Square pole mounting block
- **RPA** Round pole mounting block
- **WBA** Wall bracket (up or down)

Shipped separately
- **ASKMA1** Mast arm adapter (size 1)
- **ASKMA2** Mast arm adapter (size 2)
- **DSAS1** Decorative straight arm, square pole only (size 1)
- **DSAS1R** Decorative straight arm, round pole only (size 1)
- **DSAS2** Decorative straight arm, square pole only (size 2)
- **DSAS2R** Decorative straight arm, round pole only (size 2)
- **DCAS1** Decorative curved arm, square pole only (size 1)
- **DCAS1R** Decorative curved arm, round pole only (size 1)
- **DCAS2** Decorative curved arm, square pole only (size 2)
- **DCAS2R** Decorative curved arm, round pole only (size 2)

Options/accessories

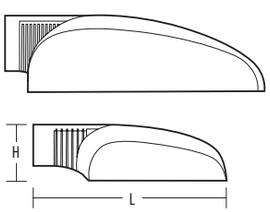
Installed
- **LPI** Lamp included
- **L/LP** Less lamp
- **SF** Single fuse, 120V, 277V, 347V (n/a TB and MVOLT)[12]
- **DF** Double fuse, 208V, 240V, 480V (n/a TB and MVOLT)[12]
- **PER** NEMA twist-lock receptacle only (no photocontrol)
- **QRS** Quartz restrike system (100W max. AS1, 250W max. AS2, lamp not included)[12]
- **CR** Enhanced corrosion resistance
- **HS** House-side shield (n/a SR4SC or SR5S)
- **EC** Emergency circuit[13]
- **TP** Tamperproof
- **SCWA** Super CWA pulse start ballast (n/a HPS, DTT, TRT, 50M, 70M or 100M)
- **CSA** CSA Certified
- **NOM** NOM Certified[13]

For optional architectural colors, see page 543.

Shipped separately
- **PE1** NEMA twist-lock PE (120V, 208V, 240V)
- **PE3** NEMA twist-lock PE (347V)
- **PE4** NEMA twist-lock PE (480V)
- **PE7** NEMA twist-lock PE (277V)
- **SC** Shorting cap
- **AS1VG** Vandal guard
- **AS2VG** Vandal guard

For tenon slipfitters, see page 540.

NOTES:
1. 120V only.
2. 120V and 277V only.
3. Not available with 480V.
4. May be ordered with SCWA.
5. Must be ordered with SCWA.
6. Available in SR3 only.
7. Consult factory for availability in Canada.
8. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
9. Compact fluorescent only, 120V-277V.
10. Multi-volt electronic ballast (for TRT and DTT lamps) capable of operating on any line voltage between 120V and 277V.
11. Mounting block standard.
12. SF, DF or QRS options cannot be ordered together.
13. Consult factory for availability.



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	AS1	*AS2*
EPA:	.7 ft²	1.2 ft
Length:	21.38 (54.5)	28 (71.0)
Width:	12.5 (31.7)	16.25 (41.9)
Height:	6.28 (15.9)	8.25 (21.0)
Weight:	22 lbs (10 kg)	45 lbs (20.4 kg)

Drilling Patterns:
(see pole ordering, pg. 552)

DM19AS	1 at 90°
DM28AS	2 at 180°
DM29AS	2 at 90°
DM39AS	3 at 90°
DM49AS	4 at 90°
DM32AS	3 at 120° (round poles only)

NIGHTTIME FRIENDLY

Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

May not meet with HS option.

AST

Suspend

Aeris™



Intended Use

For streets, walkways, parking lots and surrounding areas.

Features

Housing – Die-cast single-piece aluminum with nominal 1/8" wall thickness. Integral arm provides easy installation to pole or wall. Housing completely sealed against moisture or environmental contaminants.

Door Assembly – Die-cast door frame, impact-resistant, tempered, glass lens, 3/16" thick, fully sealed with one-piece tubular silicone gasket. Tool-less entry and closure via spring-loaded die-cast latches.

Optics – Anodized segmented reflectors for superior uniformity and control. Reflectors attach with tool-less fasteners and are rotatable and interchangeable.

Electrical – 150W and below utilize a high reactance, high power factor. 175W and above use a constant-wattage autotransformer ballast. Compact fluorescent uses an electronic high frequency ballast. Ballasts mounted on removable power tray with tool-less latch and have positive locking disconnect plugs. Ballasts are copper wound and 100% factory tested.

Finish – Standard finish is dark bronze (DDB) corrosion-resistant polyester powder finish. Other architectural colors available.

Socket – Porcelain, medium-base socket for AST1, mogul-base socket for AST2 , with copper alloy nickel-plated screw shell and center contact. Fluorescent is four-pin positive latching thermoplastic. UL Listed.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations in lens-down orientation (damp location listed in lens-up orientation). Meets IESNA full cutoff criteria. U.S. patent no. D447, 590. Canadian patent no. 94324.

Ordering Information

Example: **AST1 150S SR2 120 SPA SF LPI**

Designation

High pressure sodium

AST1	**35S**[1]
AST1	**50S**[2]
AST1	**70S**
AST1	**100S**
AST1	**150S**
AST2	**200S**
AST2	**250S**
AST2	**400S**

Metal halide

AST1	**50M**[3]
AST1	**70M**[3]
AST1	**100M**
AST1	**150M**[4]
AST1	**175M**
AST2	**200M**[5]
AST2	**250M**[4]
AST2	**320M**[5]
AST2	**350M**[5]
AST2	**400M**[4]

Compact fluorescent

AST1	**2/32TRT**[6]
AST1	**42TRT**
AST1	**2/42TRT**[6]
AST1	**57TRT**
AST1	**70TRT**

Distribution

SR2	Segmented Type II roadway
SR3	Segmented Type III asymmetric
SR4SC	Segmented Type IV forward throw, sharp cutoff
SR4W	Segmented Type IV wide, forward throw (size 2 only)
SR5S	Segmented Type V square

Voltage

120
208[7]
240[7]
277
347
480[7]
TB[8]
MVOLT[9,10]

Mounting[11,12]

Included

SPA	Square pole mounting block
RPA	Round pole mounting block
WBA	Wall bracket (up or down)

Options/accessories

Installed

LPI	Lamp included
L/LP	Less lamp
SF	Single fuse, 120V, 277V, 347V (n/a TB and MVOLT)[13]
DF	Double fuse, 208V, 240V, 480V (n/a TB and MVOLT)[13]
PER	NEMA twist-lock receptacle only (no photocontrol)
QRS	Quartz restrike system (100W max. AS1, 250W max. AS2, lamp not included)[13]
CR	Enhanced corrosion resistance
HS	House-side shield (n/a SR4SC or SR5S)
EC	Emergency circuit[14]
TP	Tamperproof
SCWA	Super CWA pulse start ballast (n/a HPS, DTT, TRT, 50M, 70M or 100M)
CSA	CSA Certified
NOM	NOM Certified[14]

For optional architectural colors, see page 543.

Shipped separately

PE1	NEMA twist-lock PE (120V, 208V, 240V)
PE3	NEMA twist-lock PE (347V)
PE4	NEMA twist-lock PE (480V)
PE7	NEMA twist-lock PE (277V)
SC	Shorting cap
AS1VG	Vandal guard
AS2VG	Vandal guard

NOTES:

1 120V only.
2 120V and 277V only.
3 Not available with 480V.
4 May be ordered with SCWA.
5 Must be ordered with SCWA.
6 Available in SR3 only.
7 Consult factory for availability in Canada.
8 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
9 Compact fluorescent only, 120V-277V.
10 Multi-volt electronic ballast (for TRT and DTT lamps) capable of operating on any line voltage between 120V and 277V.
11 Mounting block standard.
12 AST mounts 9.64" lower than specified pole height. AST2 mounts 13.89" lower than specified height.
13 SF, DF or QRS options cannot be ordered together.
14 Consult factory for availability.

Drilling patterns:
(see pole ordering, pg. 552)

DM19AST1	1 at 90°
DM19AST2	1 at 90°
DM28AST1	2 at 180°
DM28AST2	2 at 180°
DM29AST1	2 at 90°
DM29AST2	2 at 90°
DM39AST1	3 at 90°
DM39AST2	3 at 90°
DM49AST1	4 at 90°
DM49AST2	4 at 90°
DM32AST1	3 at 120° (round poles only)
DM32AST2	3 at 120° (round poles only)

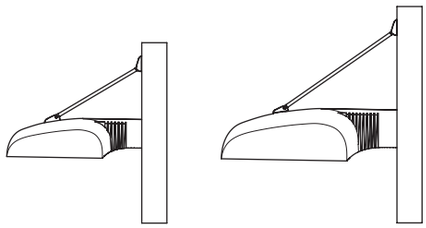
NIGHTTIME FRIENDLY

Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

May not meet with HS option.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	AST1	AST2
EPA:	.7ft²	1.2ft²
Length:	21.38(54.5)	28(71.0)
Width:	12.5(31.7)	16.25(41.9)
Height:	6.28(15.9)	8.25(21.0)
Weight:	22 lbs (10 kg)	45 lbs (20.4 kg)



www.lithonia.com, keyword: AST

Architectural Arm-Mounted Cutoff

KSE

Symmetra™



Intended Use

For car lots, street lighting or parking areas.

Features

Housing – Rugged, heavy-gauge, extruded aluminum housing. Square shape, seam-welded and internally sealed for weathertight integrity. Standard finish is dark bronze corrosion-resistant polyester powder (DDB). Architectural Class 1 anodize finish and other architectural colors available.

Optics – Anodized, segmented reflectors for uniformity and control. Reflectors are tool-less, rotatable and interchangeable. Five cutoff distributions available: R2 (roadway), R3 (asymmetric), R4SC (forward throw, sharp cutoff), R4W (wide, forward throw) and R5S (symmetric).

Door Frame – Natural anodized, extruded aluminum door frame sealed to housing by silicone closed-cell gasket and secured with (3) quarter-turn closing screws. Can be hinged from any of the four sides.

Lens – .125"-thick, impact-resistant tempered glass.

Mounting – Extruded 4" aluminum arm for square pole mounting, shipped in fixture carton as standard. Optional mountings available.

Electrical – High reactance, high power factor for 150W and below. Constant wattage autotransformer for 175W and above. Copper wound and 100% factory tested. Removable power tray and positive-locking disconnect plug.

Socket – Medium-base socket for 150W MH and below. Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated.

Listings

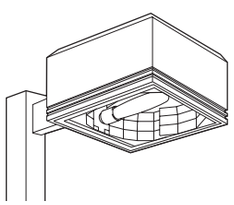
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations.

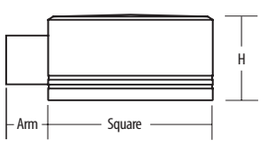
Ordering Information

Example: **KSE1 150S R2 120 SP09 PER LPI**

Designation		Distribution		Voltage	Mounting	Options/accessories
High pressure sodium		**R2**	Type II roadway	**120**	Included	Installed
KSE1	**70S**	**R3**	Type III asymmetric	**208**[4]	**SP04** 4" square pole arm (std.)[6]	**LPI** Lamp included
KSE1	**100S**	**R4SC**	Type IV forward throw, sharp cutoff	**240**[4]	**SP09** 9" square pole arm	**L/LP** Less lamp
KSE1	**150S**	**R4W**	Type IV wide, forward throw (size 2 only)	**277**	**RP04** 4" round pole arm[6]	**SF** Single fuse, 120V, 277V, 347V (n/a TB)
KSE2	**250S**	**R5S**	Type V square (size 2 only)	**347**	**RP09** 9" round pole arm	**DF** Double fuse, 208V, 240V, 480V (n/a TB)
KSE2	**400S**			**480**[4]	**WB04** 4" wall bracket	**PER** NEMA twist-lock receptacle only (no photocontrol)
Metal halide				**TB**[5]	**WB09** 9" wall bracket	**QRS** Quartz restrike system (100W max. in KSE1, 150 W max. in KSE2, 120V lamp not included).
KSE1	**100M**				**MB** Mounting bracket (KSE1 only)	**CR** Enhanced corrosion resistance
KSE1	**150M**[1]				Shipped separately	**EC** Emergency circuit
KSE1	**175M**				**KMA** Mast arm adapter	**SCWA** Super CWA pulse start ballast (n/a HPS or 100M, 175M)
KSE1	**200M**[2]				**KTMB** Twin mounting bar	**CSA** CSA Certified
KSE2	**250M**[1]				**DA12P** Degree arm (pole)	**NOM** NOM Certified (consult factory)
KSE2	**320M**[2,3]				**DA12WB** Degree arm (wall)	For optional architectural colors, see page 543.
KSE2	**350M**[2,3]					Shipped separately
KSE2	**400M**[1,3]					**PE1** NEMA twist-lock PE (120V-240V)
						PE3 NEMA twist-lock PE (347V)
						PE4 NEMA twist-lock PE (480V)
						PE7 NEMA twist-lock PE (277V)
						SC Shorting cap for PER option
						KSE1HS House-side shield (R2, R3 only)
						KSE2HS House-side shield (R2, R3 only)
						KSE1VG Vandal guard
						KSE2VG Vandal guard
						For tenon slipfitters, see page 540.

NOTES:
1. May be ordered with SCWA.
2. Must be ordered with SCWA.
3. Must use ED28 lamp.
4. Consult factory for availability in Canada.
5. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
6. Use 9" arm when mounting two luminaires at 90°.
7. Includes mounting arm.





Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	KSE1	*KSE2*
EPA:[7]	1.3ft²(.12m²)	1.9ft²(.18m²)
Square:	15-11/16(39.8)	19(48.3)
Height:	8-3/4(22.2)	10-15/16(27.8)
Max. weight:	26.6lbs(12.1kg)	39.9lbs(18.1kg)

NIGHTTIME FRIENDLY

Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

www.lithonia.com, keyword: KSE

KSF

Spec-Form®

Intended Use

For car lots, street lighting or parking areas.

Features

Housing – Rugged, heavy-gauge, aluminum rectilinear housing. All seams continuously welded for weathertight integrity. Dark bronze corrosion-resistant polyester powder finish (DDB) standard. Other architectural colors available.

Door Frame – Natural anodized, extruded aluminum frame with mitered corners, retained with two hinge pins and secured with one quarter-turn, quick-release fastener. Integrally designed, extruded silicone gasket provides weatherproof seal between housing and frame.

Lens – .125" thick, impact-resistant tempered glass with thermally applied, silk-screened power door shield.

Mounting – Extruded 4" (KSF1, KSF2) or 12" (KSF3) aluminum arm for square pole mounting shipped in fixture carton as standard. Optional mountings available.

Optics – Anodized segmented reflectors provide superior uniformity and control. KSF1/KSF2 reflectors are rotatable and interchangeable. KSF3 Type IV is rotatable. Five cutoff distributions available: R2 (roadway), R3 (asymmetric), R4SC (forward throw, sharp cutoff), R4W (wide, forward throw), R5S (square).

Electrical – High reactance, high power factor for 150W and below. Constant wattage autotransformer for 175W and above. Copper wound and 100% factory tested. Removable power door and positive-locking disconnect plugs.

Socket – Porcelain, horizontally oriented, mogul-base socket (100M and 150M are medium-base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



Ordering Information

Example: **KSF1 150S R2 120 SP09 PER LPI**

Designation

High pressure sodium
- **KSF1 70S**
- **KSF1 100S**
- **KSF1 150S**
- **KSF2 250S**
- **KSF2 400S**
- **KSF3 1000S**

Metal halide
- **KSF1 100M**
- **KSF1 150M**[1]
- **KSF1 175M**
- **KSF1 200M**[2]
- **KSF1 250M**
- **KSF2 320M**[2,3]
- **KSF2 350M**[2,3]
- **KSF2 400M**[1,3]
- **KSF3 1000M**[1,4]

Distribution

- **R2** Type II roadway (sizes 1 and 2 only)
- **R3** Type III asymmetric
- **R4** Type IV foward throw (size 3 only)
- **R4SC** Type IV forward throw, sharp cutoff (sizes 1 and 2 only)
- **R4W** Type IV wide, forward throw (size 2 only)
- **R5S** Type V square (sizes 2 and 3 only)

Voltage

- **120**
- **208**[5]
- **240**[5]
- **277**
- **347**
- **480**[5]
- **TB**[6]

Mounting

Included, KSF1/KSF2
- **SP04** 4" square pole arm (std.)[7]
- **SP09** 9" square pole arm
- **RP04** 4" round pole arm[7]
- **RP09** 9" round pole arm
- **WB04** 4" wall bracket
- **WB09** 9" wall bracket
- **MB** Mounting bracket (KSF1 only)

Included, KSF3[8]
- **SP12** 12" square pole arm (std.)
- **RP12** 12" round pole arm
- **WW12** 12" wood pole or wall
- **WB12** 12" wall bracket

Shipped separately[9]
- **KMA** Mast arm adapter
- **KTMB** Twin mounting bar
- **DA12P** Degree arm (pole)
- **DA12WB** Degree arm (wall)

Options/accessories

Installed
- **LPI** Lamp included
- **L/LP** Less lamp
- **SF** Single fuse, 120V, 277V, 347V (n/a TB)
- **DF** Double fuse, 208V, 240V, 480V (n/a TB)
- **PER** NEMA twist-lock receptacle only (no photocontrol)
- **QRS** Quartz restrike system (75W max. in KSF1, 250W max. in all others, lamp not included)[10]
- **CR** Enhanced corrosion resistance
- **EC** Emergency circuit
- **SCWA** Super CWA pulse start ballast (n/a HPS, 100M, 175M)
- **CSA** CSA Certified
- **NOM** NOM Certified (consult factory)

For optional architectural colors, see page 543.

Shipped separately
- **PE1** NEMA twist-lock PE (120V-240V)
- **PE3** NEMA twist-lock PE (347V)
- **PE4** NEMA twist-lock PE (480V)
- **PE7** NEMA twist-lock PE (277V)
- **SC** Shorting cap for PER option
- **KSF_HS** House-side shield (KSF1/KSF2: R2 and R3 only. KSF3: R3 and R4 only)
- **KSF_VG** Vandal guard (KSF1/KSF2 only)

For tenon slipfitters, see page 540.

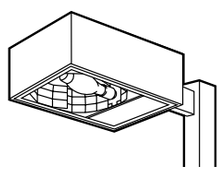
NOTES:
1. May be ordered with SCWA.
2. Must be ordered with SCWA.
3. Must use ED28 lamp.
4. Must use BT37 lamp with R5S.
5. Consult factory for availability in Canada.
6. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
7. Use 9" arm when mounting two luminaires at 90°.
8. Use 12" arm when mounting two luminaires at 90°.
9. May be ordered as accessory.
10. QRSTD available in select wattages. Consult factory.
11. Includes mounting arm.

NIGHTTIME FRIENDLY

Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	KSF1	KSF2	KSF3
EPA:[11]	1.5 ft² (.14 m²)	2.0 ft² (.19 m²)	3.0 ft² (.28 m²)
Length:	22 (55.9)	25-5/26 (64.3)	30-5/16 (77.0)
Width:	16-3/16 (41.1)	18-1/2 (47.0)	24-5/16 (61.8)
Height:	7-1/4 (18.4)	8-5/16 (21.1)	10-1/2 (26.7)
Max. weight:	39 lbs (17.7 kg)	55 lbs (24.9 kg)	85 lbs (38.6 kg)



www.lithonia.com, keyword: KSF

Arm-Mounted Drop or Flat Lens Cutoff

KAD
KAC

Contour®



Intended Use

For parking areas, street lighting, walkways and car lots.

Features

Housing – Rugged, die-cast, soft-corner aluminum housing with 0.12" nominal wall thickness. Extruded 4" soft corner arm for pole or wall mounting is standard.

Door Frame – KAD die-cast door frame has impact-resistant, tempered glass lens which is fully gasketed with one-piece bonded silicone. KAC die-cast aluminum door frame has prismatic, impact-resistant, tempered glass, drop dish acrylic lens or drop dish polycarbonate lens. Door frame is fully gasketed with one-piece silicone.

Optics – KAD reflectors are anodized hydroformed or segmented aluminum. Four cutoff distributions available: R2 (roadway), R3 (asymmetric), R4 (forward throw) and R5 (symmetric). High-performance, segmented reflectors are rotatable and field-interchangable. KAC reflector is optical-quality aluminum that works in tandem with a light-diffusing prismatic lens.

Electrical – Ballast is high-reactance, high power factor (70-150W HPS,100M and 150M) or high power factor constant-wattage autotransformer (175-400W MH and HPS). Ballast is copper wound and 100% factory tested.

Finish – Dark bronze corrosion-resistant polyester powder finish (DDB), with other architectural colors available.

Socket – Porcelain, horizontally (position) oriented mogul-base socket (100M and 150M are medium-base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated.

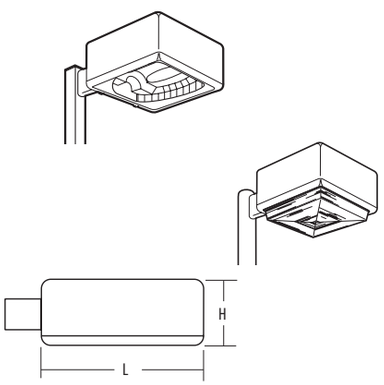
Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). KAD UL Listed for wet locations. IP65 Rated.

Ordering Information

Example: **KAD 400M R3 120 SPD09 LPI**

Series	Wattage	Distribution	Voltage	Mounting	Options/accessories
KAD	High pressure sodium	KAD – standard reflector	**120**	Included	Installed
KAC	**70S**	**R2** Type II roadway	**208**[4]	**SPD04** 4" square pole arm (std.)[6]	**LPI** Lamp included
	100S	**R3** Type III asymmetric	**240**[4]	**SPD09** 9" square pole arm	**L/LP** Less lamp
	150S	**R4** Type IV forward throw, sharp cutoff	**277**	**RPD04** 4" round pole arm[6]	**SF** Single fuse, 120V, 277V, 347V (n/a TB)
	250S	**R5S** Type V square	**347**	**RPD09** 9" round pole arm	**DF** Double fuse, 208V, 240V, 480V (n/a TB)
	400S	KAD – high performance reflector	**480**[4]	**WBD04** 4" wall bracket	**PER** NEMA twist-lock receptacle only (no photocontrol)
	Metal halide	**SR2** Type II asymmetric	**TB**[5]	**WBD09** 9" wall bracket	**QRS** Quartz restrike system (250W max., 120V lamp not included)[7]
	100M	**SR3** Type III asymmetric		Shipped separately	**PD** Power tray[8]
	150M[1]	**SR4SC** Type IV forward throw, sharp cutoff		**KMA** Mast arm adapter	**WTB** Terminal block[8]
	175M	KAC – prismatic lens		**KTMB** Twin mounting bar	**EC** Emergency circuit
	200M[2]	**FP** Flat C73T		**DAD12P** Degree arm (pole)	**SCWA** Super CWA pulse start ballast (n/a HPS, 100M or 175M)
	250M[1]	**DPA** Drop acrylic		**DAD12WB** Degree arm (wall)	**CSA** CSA Certified
	320M[2,3]	**DPP** Drop polycarbonate			**NOM** NOM Certified (consult factory)
	350M[2,3]				For optional architectural colors, see page 543.
	400M[1,3]				Shipped separately[9]
					PE1 NEMA twist-lock PE (120V-240V)
					PE3 NEMA twist-lock PE (347V)
					PE4 NEMA twist-lock PE (480V)
					PE7 NEMA twist-lock PE (277V)
					SC Shorting cap for PER option
					HS House-side shield (R2, R3, R4) (SR2, SR3)
					KADVG Vandal guard for KAD
					KADWG Wireguard for KAD
					KACVG Vandal guard for KAC
					KACWG Wireguard for KAC
					KADWBA Decorative wall bracket for KAD[11]



NOTES:
1 May be ordered with SCWA.
2 Must be ordered with SCWA.
3 Requires ED28 lamp when ordered with SR2, SR3 or SR4SC distributions.
4 Consult factory for availability in Canada.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V.
6 SPD09, RPD09 or WWD09 must be used when luminaires are oriented on DM29, DM39 or DM49 drilling pattern.
7 QRSTD available in select wattages. Consult factory.
° Only available with SR2, SR3, SR4SC optics.
9 May be ordered as an accessory.
10 Includes mounting arm.
11 Only available with SPD04 and SPD09

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	KAD & KACFP	KAC DP
EPA:[10]	1.2 ft² (.11 m²)	1.4 ft² (.13 m²)
Square:	17-1/2 (44.5)	17-1/2 (44.5)
Height:	7-1/8 (18.1)	11-1/8 (28.3)
Max. weight:	42 lbs (19.1 kg)	40 lbs (18.1 kg)

NIGHTTIME FRIENDLY

Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

Applies to KAD only.

KADT

Suspend
Contour®



Intended Use

For parking areas, street lighting, walkways and car lots.

Features

Housing – Rugged, die-cast, soft-corner aluminum housing with 0.12" nominal wall thickness. Extruded 4" soft corner arm for pole or wall mounting is standard.

Door Frame – KADT die-cast door frame has impact-resistant, tempered glass lens which is fully gasketed with one-piece bonded silicone. Door frame is fully gasketed with one-piece silicone gasket.

Optics – KADT reflectors are anodized hydroformed or segmented aluminum. Four cutoff distributions available: R2 (roadway), R3 (asymmetric), R4 (forward throw) and R5 (symmetric). High-performance segmented reflectors are rotatable and field-interchangable. KAC reflector is optical-quality aluminum that works in tandem with a light-diffusing prismatic lens.

Electrical – Ballast is high-reactance, high power factor (70-150W HPS,100M and 150M) or high power factor constant-wattage autotransformer (175-400W MH and HPS). Ballast is copper wound and 100% factory tested.

Finish – Dark bronze corrosion-resistant polyester powder finish (DDB), with other architectural colors available.

Socket – Porcelain, horizontally (position) oriented mogul-base socket (100M and 150M are medium-base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 Rated.

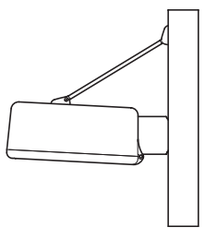
Ordering Information

Example: **KADT 400M R3 120 SPD04 LPI**

Series	Wattage	Distribution	Voltage	Mounting[6]	Options/accessories
KADT	High pressure sodium **70S** **100S** **150S** **250S** **400S** Metal halide **100M** **150M**[1] **175M** **200M**[2] **250M**[1] **320M**[2,3] **350M**[2,3] **400M**[1,3]	KADT – standard reflector **R2** Type II roadway **R3** Type III asymmetric **R4** Type IV forward throw, sharp cutoff **R5S** Type V square KADT – high-performance reflector **SR2** Type II asymmetric **SR3** Type III asymmetric **SR4SC** Type IV forward throw, sharp cutoff	**120** **208**[4] **240**[4] **277** **347** **480**[4] **TB**[5]	Included **SPD04** 4" square pole arm (std.)	Installed **LPI** Lamp included **L/LP** Less lamp **SF** Single fuse, 120V, 277V, 347V (n/a TB) **DF** Double fuse, 208V, 240V, 480V (n/a TB) **PER** NEMA twist-lock receptacle only (no photocontrol) **QRS** Quartz restrike system (250W max., 120V lamp not included)[7] **PD** Power tray[8] **WTB** Terminal block[8] **EC** Emergency circuit **SCWA** Super CWA pulse start ballast (n/a HPS, 100M or 175M) **CSA** CSA Certified **NOM** NOM Certified (consult factory) For optional architectural colors, see page 543. Shipped separately[9] **PE1** NEMA twist-lock PE (120V-240V) **PE3** NEMA twist-lock PE (347V) **PE4** NEMA twist-lock PE (480V) **PE7** NEMA twist-lock PE (277V) **SC** Shorting cap for PER option **HS** House-side shield (R2, R3, R4) (SR2, SR3) **KADVG** Vandal guard for KAD **KADWG** Wireguard for KAD

NOTES:
1 May be ordered with SCWA.
2 Must be ordered with SCWA.
3 Requires ED28 lamp when ordered with SR2, SR3 or SR4SC distributions.
4 Consult factory for availability in Canada.
5 Optional multi-tap ballast (120, 208, 240, 277V; 120, 277, 347V in Canada.
6 KADT mounts 11.24" lowre than specified pole height.
7 QRSTD available in select wattages. Consult factory.
8 Only available with SR2, SR3, SR4SC optics.
9 May be ordered as an accessory.
10 Includes mounting arm.

Drilling Patterns:
(See pole ordering page 552.)
DM19KADT 1 at 90°
DM28KADT 2 at 180°
DM32KADT 3 at 120° (round poles only)



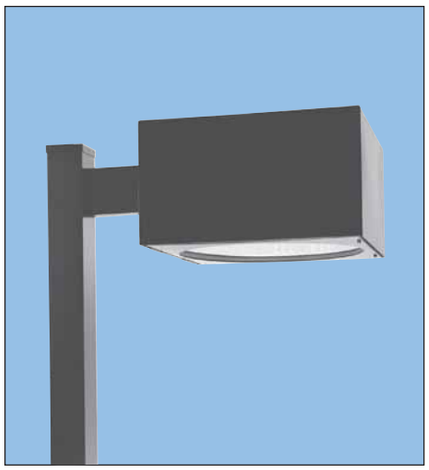
NIGHTTIME FRIENDLY
Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

Dimensions are shown in **inches (centimeters)** unless otherwise noted.
EPA[10]: 1.3 ft² (.12 m²)
Square: 17-1/2 (44.5)
Height: 7-1/8 (18.1)
Max. weight: 45 lbs (20.4)

www.lithonia.com, keyword: KADT

Architectural Vertical Cutoff

KVF



Intended Use

For car lots, street lighting or parking areas.

Features

Construction – Heavy-gauge, die-formed aluminum housing, fabricated using robotic continuous seam-weld process for weathertight integrity. Integral structural support plate for mounting arm and electrical components. Hinged aluminium door frame with stainless steel hardware. Continuous silicone gasketing surrounds lens.

Finish – Standard finish is dark bronze corrosion-resistant electrostatically applied powder paint. Optional linear embossed accent reveals are available. Dark bronze polyester powder paint is standard. Other architechtural colors available.

Optics – Vertical-lamp reflectors are one-piece spun and formed anodized aluminum. Horizontal-lamp reflectors also available. Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. Horizontal position-oriented for types R2, R3 and R4. Reflectors are rotatable and interchangable. UL Listed 1500W-600V, 4KV pulse rated. (1000S is 5K pulse rated.)

Electrical – Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural integrity. Constant-wattage autotransformer ballasts are copper wound and 100% factory tested. Super CWA pulse start ballasts required for 320M, 350M, 450M and 750M (must order SCWA option).

Installation – Extruded aluminium arm with integral splice compartment. Standard arm is 9" in length. (12" arm is required for fixtures mounted at 90°.)

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations. Optical chamber is IP65 rated for ingress protection per IEC529 international standards.

Ordering Information

Example: **KVF 1000M SYMDL 480 SP09 LPI**

Designation

High pressure sodium

KVF	**250S**
KVF	**400S**
KVF	**1000S**[1]

Metal halide

KVF	**175M**[2]
KVF	**200M**[3]
KVF	**250M**[2]
KVF	**320M**[3]
KVF	**350M**[3]
KVF	**400M**[2]
KVF	**450M**[3]
KVF	**750M**[3]
KVF	**1000M**[2,4]

Distribution

Vertical lamp distribution

SYMDL	Symmetric square, drop lens, semi-cutoff
ASYDL	Asymmetric, drop lens, semi-cutoff
SYMFL	Symmetric square, flat lens, full-cutoff[5]
ASYFL	Asymmetric, flat lens, full-cutoff[5]
VFADL	Vertical forward throw, automotive, drop lens, semi-cutoff
VFAFL	Vertical forward throw, automotive, flat lens, full-cutoff[5]

Horizontal lamp distribution

R2DL	Type II roadway, drop lens[5]
R3DL	Type III asymmetric, drop lens[5]
R2FL	Type II roadway, flat lens[5]
R3FL	Type III asymmetric, flat lens[5]

Segmented reflector

SR2FL	Type II segmented, roadway, flat lens[5,6,10]
SR3FL	Type III segmented, asymmetric, flat lens[5,6,10]
SR4SCFL	Type IV segmented, forward throw, sharp cutoff, flat lens[5,6,10]
SR4WFL	Type IV segmented, wide forward throw, sharp cutoff, flat lens[5,6,10]

Voltage

120
208[7]
240[7]
277
347
480[7]
TB[8]

Mounting

Arm mounting

SP04	4" Square pole arm[9]
RP04	4" Round pole arm[9]
SP06	6" Square pole arm[9]
RP06	6" Round pole arm[9]
SP09	9" Square pole arm[9]
RP09	9" Round pole arm[9]
SP12	12" Square pole arm
RP12	12" Round pole arm
WB12	12" Wall bracket
KMA	Mast arm (external fitter)

Post-top mounting[10]

PT4	Post-top, 4" OD open-top pole
PT45	Post-top, 4-1/2" OD open-top pole
PT5	Post-top, 5" OD open-top pole
PT6	Post-top, 6" OD open-top pole
RPF20	Round pole fitter (2-3/8" OD tenon)
RPF25	Round pole fitter (2-7/8" OD tenon)
SPF20	Square pole fitter (2-3/8" OD tenon)
SPF25	Square pole fitter (2-7/8" OD tenon)

Options/accessories

Installed

LPI	Lamp included
L/LP	Less lamp
PER	NEMA twist-lock receptacle only (photocontrol not included)
SF	Single fuse, 120V, 277V, 347V (n/a TB)
DF	Double fuse, 208V, 240V, 480V (n/a TB)
EC	Emergency circuit (250W max., lamp not included)
SCWA	Super CWA pulse start ballast (n/a HPS)[11]
KW1	KiloWatch 120V control relay[12]
KW4	KiloWatch 277V control relay[12]
EHS	External house-side shield[13]
EHSB	External house-side shield black[13]
QRS	Quartz restrike system (250W max., lamp not included)
QRSTD	QRS time delay (250W max., lamp not included)
TLS	Tool-less access
CR	Enhanced corrosion resistance
EA	Embossed accents
CSA	CSA Certified
NOM	NOM Certified (consult factory)

Shipped separately

PE1	NEMA twist-lock PE (120V-240V)
PE3	NEMA twist-lock PE (347V)
PE4	NEMA twist-lock PE (480V)
PE7	NEMA twist-lock PE (277V)
SC	Shorting cap for PER option
KVFVG	Vandal guard

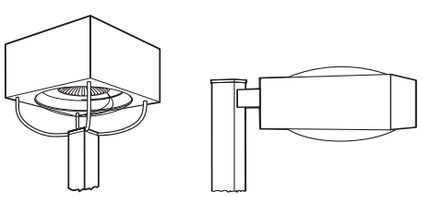
For tenon slipfitters, see page 540.

NOTES:

1 Must use standard E-25 lamp. Only available with SYMDL, ASYDL and VFADL, n/a 347V.
2 May be ordered with SCWA.
3 Must be ordered with SCWA.
4 1000M requires BT37 reduced jacket lamp.
5 Not available with 1000S.
6 Not available with 450M, 750M or 1000M.
7 Consult factory for availability in Canada.
8 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
9 Must order SP12 or RP12 when two or more luminaires are oriented on a 900 drilling pattern.
10 Segmented reflectors not available with post-top mounting configurations.
11 175M, 750M and 1000M available in vertical lamp distributions only.
12 For specific ordering information, consult factory.
13 May be ordered as an accessory.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA:[9]	2.8 ft² (.25 m²)
Square:	21-1/2 (54.6)
Height:	17 (43.2)
Max. weight:	53 lbs (24 kg)



Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

Will not meet with DL or EHS options.

www.lithonia.com, keyword: KVF

KVS

Intended Use

For lighting shopping center or stadium parking lots.

Features

Housing – Rugged, heavy-gauge, aluminum housing. Square shape, continuously welded seams for weather-tight integrity. EPDM closed-cell housing gasket.

Finish – Dark bronze corrosion-resistant polyester powder finish (DDB) standard; other arch colors available.

Lens – Impact-resistant flat glass is standard for KVS1, R2, R3 and R4. Convex glass lens is standard with all KVS3 and KVS1 R5.

Door Frame – Extruded aluminum hinged door frame. All exposed hardware is stainless steel.

Mounting – Extruded 9" (KVS1) and 12" (KVS3) arms with integral splice compartment for wall or pole mounting. Optional mounting available.

Optics – One-piece, anodized, hydroformed aluminum reflector. Four cutoff distributions available: R2 (roadway), R3 (asymmetric), R4 (forward throw) and R5 (symmetric). Reflectors hinge out for easy removal during installation/maintenance. R5 is vertically lamped; R2, R3, and R4 are horizontally lamped.

Electrical – 150W and below high reactance high power factor ballast. Constant-wattage autotransformer ballasts are copper wound and 100% factory tested. Removable, unitized power module and positive-locking disconnect plugs.

Socket – Mogul-base porcelain socket (100M and 150M are medium-base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated. (1000S is 5KV pulse rated.)

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations.



Ordering Information

Example: **KVS1 150S R2 120 SP09 PER LPI**

Designation		Distribution				Voltage	Mounting	Options/accessories
High pressure sodium						**120**	KVS1, shipped separately	Installed
KVS1	**70S**	**R2**	**R3**	**R4**	**R5**	**208**[4]	**SP09** Square pole arm	**LPI** Lamp included
KVS1	**100S**	**R2**	**R3**	**R4**	**R5**	**240**[4]	**RP09** Round pole arm	**L/LP** Less lamp
KVS1	**150S**	**R2**	**R3**	**R4**	**R5**	**277**	**WB09** Wall bracket	**SF** Single fuse, 120V, 277V, 347V
KVS1	**250S**	**R2**	**R3**	**R4**	**R5**	**347**	**KTMB** Twin mounting bar (Directly mounts to 2-7/8" OD tenon)	**DF** Double fuse, 208V, 240V, 480V
KVS3	**400S**	**R2**	**R3**	—	**R5**	**480**[4]	KVS3, shipped separately	**PER** NEMA twist-lock receptacle only (no photocontrol)
KVS3	**1000S**	—	—	—	**R5**	**TB**[5]	**SP12** Square pole arm	**QRS** Quartz restrike system (100W max. on KVS1, 250W max. on KVS3; lamp not included)
Metal halide							**RP12** Round pole arm	**CR** Enhanced corrosion resistance
KVS1	**100M**	**R2**	**R3**	**R4**	**R5**		**WB12** Wall bracket	**EC** Emergency circuit
KVS1	**150M**[1]	**R2**	**R3**	**R4**	**R5**		**MA** Mast arm internal fitter[6]	**MED** Medium-base socket (size 1 only)
KVS1	**175M**	**R2**	**R3**	**R4**	**R5**		*Optional Mounting*	**HS** House-side shield (R3, R4, R5 only)
KVS1	**200M**[2]	**R2**	**R3**	**R4**	**R5**		KVS1 & KVS3, shipped separately	**SCWA** Super CWA pulse start ballast (n/a HPS or 100M) (175M with R5 only).
KVS1	**250M**[1]	**R2**	**R3**	**R4**	**R5**		**KMA** Mast arm adapter (KVS1 only)[7]	**CSA** CSA Certified
KVS3	**320M**[2]	**R2**	**R3**	—	**R5**		**DA12P** Degree arm (pole)[6]	**NOM** NOM Certified (consult factory)
KVS3	**350M**[2]	**R2**	**R3**	—	**R5**		**DA12WB** Degree arm (wall)[6]	For optional architectural colors, see page 543.
KVS3	**400M**[1]	**R2**	**R3**	—	**R5**			Shipped separately
KVS3	**1000M**[1,3]	**R2**	**R3**	—	**R5**			**PE1** NEMA twist-lock PE (120-240V)
								PE3 NEMA twist-lock PE (347V)
								PE4 NEMA twist-lock PE (480V)
								PE7 NEMA twist-lock PE (277V)
								SC Shorting cap for PER option
								VG Vandal guard (n/a KVS3)
								For tenon slipfitters, see page 540.

NOTES:

1 May be ordered with SCWA

2 Must be ordered with SCWA.

3 Must use BT37 reduced jacket lamp for 1000M, R2 and R3, R5 takes BT56 standard lamp.

4 Consult factory for availability in Canada.

5 Optional multi-tap ballast (120V, 208V, 240V, 227V). In Canada 120V, 277V, 347V; ships as 120V/347V.

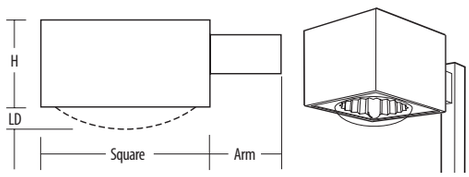
6 Single/twin, 180° configuration.

7 For use with 6" minimum 2-3/8" OD pipe.

8 Includes mounting arm.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	KVS1	*KVS3*
EPA:[8]	1.8 ft² (.17 m²)	3.9 ft² (.36 m²)
Square:	16-3/4 (42.0)	24 (61.0)
Height:	10-1/2 (26.0)	16-1/2 (42.0)
Max. weight:	33 lbs (15.0 kg)	74 lbs (34.0 kg)



www.lithonia.com, keyword: KVS

Architectural Square Vertical

KVE



Intended Use

For streets, parking lots and surrounding areas.

Features

Housing – Square-shaped, rugged, heavy-gauge, extruded aluminum housing. Fully gasketed for weather-tight integrity. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Other architectural colors available.

Lens – Impact-resistant, clear, 3/16" thick, tempered drop lens.

Mounting – Extruded aluminum arm with integral splice compartment for wall or pole mounting is shipped in fixture carton. Optional mountings available.

Optics – Segmented, anodized aluminum optics are interchangeable and rotatable. Vertically lamped sealed optics include symmetric, symmetric cutoff, asymmetric and asymmetric cutoff. Design redirects light around arc-tube for optimum lamp life and maximum efficiency. Five horizontal lamp cutoff distributions available: R2 (roadway), R3 (asymmetric), R4SC (forward throw, sharp cutoff) R4W (wide, forward throw) and R5S (symmetric).

Electrical – Constant-wattage autotransformer, high-power factor ballast. Ballast is copper wound and 100% factory tested. Removable power tray and positive locking disconnect plug.

Socket – Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. US patent no. D417,026.

Ordering Information

Example: **KVE2 250S SYM 120 RPV06 SF LPI**

Designation

High pressure sodium

KVE2	**250S**
KVE2	**400S**
KVE3	**400S**
KVE3	**1000S**

Metal halide

KVE2	**175M**
KVE2	**200M**[1]
KVE2	**250M**[2]
KVE2	**320M**[1,3]
KVE2	**350M**[1,3]
KVE2	**400M**[2,3]
KVE3	**400M**[2]
KVE3	**1000M**[2]

Distribution

Vertical lamp distribution

SYM	Symmetric[4,5]
SYMC	Symmetric (n/a 1000S)[6]
ASY	Asymmetric[5]
ASYC	Asymmetric[6]

Horizontal lamp distribution

R2	Type II roadway
R3	Type III asymmetric
R4SC	Type IV forward throw, sharp cutoff
R4W	Type IV forward throw (1000M only)[3]
R5S	Type V symmetric square[3]

Voltage

120
208[7]
240[7]
277
347
480[7]
TB[7]

Mounting[9]

Included

SPV04	4" square pole arm (std.)[9,10]
SPV06	6" square pole arm[9,10]
SPV09	9" square pole arm[9,10]
SPV12	12" square pole arm[10]
SPV14	14" square pole arm
RPV04	4" round pole arm[9,10]
RPV06	6" round pole arm[9,10]
RPV09	9" round pole arm[9,10]
RPV12	12" round pole arm[10]
RPV14	14" round pole arm
WBV09	9" wall bracket

Shipped separately

PT4	Post-top, 4" OD open-top pole
PT45	Post-top, 4-1/2" OD open-top pole
PT5	Post-top, 5" OD open-top pole
PT6	Post-top, 6" OD open-top pole
RPF20	Round pole fitter (2-3/8" OD tenon)
RPF25	Round pole fitter (2-7/8" OD tenon)
SPF20	Square pole fitter (2-3/8" OD tenon)
SPF25	Square pole fitter (2-7/8" OD tenon)

Options/accessories

Installed

LPI	Lamp included
L/LP	Less lamp
SF	Single fuse, 120V, 277V, 347V (n/a TB)
DF	Double fuse, 208V, 240V, 480V (n/a TB)
PER	NEMA twist-lock receptacle only (no photocontrol)
QRS	Quartz restrike system (250W max., 120V only, lamp not included)
GFL	Glass flat lens[11]
CR	Enhanced corrosion resistance
EC	Emergency circuit
HS	House-side shield (ASY, ASYC only. R2, R3 shipped separately)
SCWA	Super CWA pulse start ballast (n/a HPS, 175M or 1000M horizontal)
LS	Lamp support (size 3 horizontal optics only)
CSA	CSA Certified
NOM	NOM Certified (consult factory)

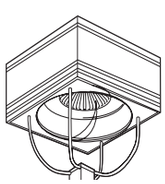
For optional architectural colors, see page 543.

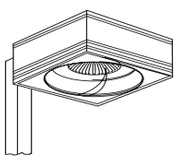
Shipped separately

PE1	NEMA twist-lock PE (120-240V)
PE3	NEMA twist-lock PE (347V)
PE4	NEMA twist-lock PE (480V)
PE7	NEMA twist-lock PE (277V)
SC	Shorting cap for PER option

NOTES:

1 Must be ordered with SCWA.
2 May be ordered with SCWA.
3 320W, 350W, 400W MH requires ED28 lamp; 1000WMH requires BT37 lamp (n/a KVE3 1000S).
4 Meets IES cutoff criteria for 1000W high pressure sodium luminaire.
5 Meets IES semi-cutoff criteria with metal halide lamp sources.
6 Meets IES cutoff criteria.
7 Consult factory for availability in Canada.
8 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
9 For KVE2 luminaires, SPV12, RPV12, SPV14 or RPV14 must be used when two or more luminaires oriented on a 90° drilling pattern.
10 For KVE3 luminaires, SPV14 or RPV14 must be used when two or more luminaires oriented on a 90° drilling pattern.
11 400W maximum.





Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	KVE2 (arm)	KVE2 (post)	KVE3 (arm)	KVE3 (post)
EPA:	3.3 ft² (.31 m²)	3.4 ft² (.32 m²)	4.2 ft² (.39 m²)	4.5 ft² (.42 m²)
Square:	25 (63.5)	25 (63.5)	29 (73.7)	29 (73.7)
Height:	16-3/4 (42.5)	23-7/8 (60.6)	18-1/2 (47.0)	18-1/2 (47.0)
Max. weight:	77 lbs (34.9 kg)	87 lbs (39.5 kg)	87 lbs (39.5 kg)	97 lbs (44.0 kg)

NIGHTTIME FRIENDLY

Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

Requires glass flat lens (GFL) option.

KVR



Intended Use

For streets, parking lots and surrounding areas.

Features

Housing – Cylindrically shaped, rugged, heavy-gauge, spun aluminum housing. Fully gasketed for weathertight integrity. Standard finish is dark bronze (DDB) polyester powder. Other architectural colors available. KVR2 standard door frame is natural aluminum (DNA). Door frame can be painted to match housing color (see DFP option below).

Lens – Impact-resistant, clear, 3/16" thick, tempered drop lens.

Mounting – Extruded-aluminum arm with integral splice compartment for wall or pole mounting is shipped in fixture carton. Optional mountings available.

Optics – KVR2 vertical-lamp reflectors are one piece spun and formed around anodized aluminum. KVR2 horizontal-lamp hydroformed and segemented reflectors also available. KVR2 reflectors are rotatable and interchangeable. KVR3 segmented, anodized aluminum optics also are rotatable and interchangeable.

Electrical – Constant-wattage autotransformer, high-power factor ballast. Ballast is copper wound and 100% factory tested. Super CWA pulse start ballasts required for 320M and 350M (must order SCWA option).

Socket – Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.

Ordering Information

Example: **KVR2 250S SYMDL 120 RPD06 SF LPI**

Designation

High pressure sodium
- **KVR2 250S**
- **KVR2 400S**
- **KVR3 400S**
- **KVR3 1000S**

Metal halide
- **KVR2 175M**[1]
- **KVR2 200M**[2]
- **KVR2 250M**[1]
- **KVR2 320M**[2]
- **KVR2 350M**[2]
- **KVR2 400M**[1]
- **KVR3 400M**
- **KVR3 1000M**[1]

Distribution

KVR2 vertical lamp distribution
- **SYMDL** Symmetric square, drop lens, semi-cutoff[3]
- **ASYDL** Asymmetric, drop lens, semi-cutoff[3]
- **SYMFL** Symmetric square, flat lens, full-cutoff[3]
- **ASYFL** Asymmetric, flat lens, full-cutoff[3]
- **VFADL** Vertical forward throw, automotive, drop lens, semi-cutoff[3]
- **VFAFL** Vertical forward throw, automotive, flat lens, full-cutoff[3]

KVR2 horizontal lamp distribution
- **R2DL** Type II roadway, drop lens[3]
- **R3DL** Type III asymmetric, drop lens[3]
- **R2FL** Type II roadway, flat lens[3]
- **R3FL** Type III asymmetric, flat lens[3]

KVR2 segmented reflector
- **SR2FL** Type II segmented, roadway, flat lens[3]
- **SR3FL** Type III segmented, asymmetric, flat lens[3]
- **SR4SCFL** Type IV segmented, forward throw, sharp cutoff, flat lens[3]
- **SR4WFL** Type IV segmented, wide forward throw, flat lens[3]

KVR3 vertical lamp distribution
- **SYM** Symmetric, drop lens, semi-cutoff[4,5]
- **SYMC** Symmetric, drop lens, cutoff (n/a 1000S)[4]
- **ASY** Asymmetric, drop lens, semi-cutoff[4]
- **ASYC** Asymmetric, drop lens, cutoff[4]

KVR3 horizontal lamp distribution
- **R2** Type II roadway, drop lens (n/a 1000S)[4,12]
- **R3** Type III asymmetric, drop lens (n/a 1000S)[4,12]
- **R4SC** Type IV , forward throw, sharp cutoff, drop lens (n/a 1000S)[4,12]
- **R4W** Type IV , wide forward throw, drop lens (n/a 1000S)[4,12]
- **R5S** Type V symmetric square drop lens (n/a 1000S)[4,12]

Voltage

- **120**
- **208**[6]
- **240**[6]
- **277**
- **347**
- **480**[6]
- **TB**[7]

Mounting

KVR2 arm mounting
- **SPD04** 4" Square pole arm[8]
- **RPD04** 4" Round pole arm[8]
- **SPD06** 6" Square pole arm[8]
- **RPD06** 6" Round pole arm[8]
- **SPD09** 9" Square pole arm[8]
- **RPD09** 9" Round pole arm[8]
- **SPD12** 12" Square pole arm
- **RPD12** 12" Round pole arm
- **WBD12** 12" Wall bracket
- **KMA** Mast arm (external fitter)

KVR3 arm mounting
- **SPVD04** 4" Square pole arm[9]
- **RPVD04** 4" Round pole arm[9]
- **SPVD06** 6" Square pole arm[9]
- **RPVD06** 6" Round pole arm[9]
- **SPVD09** 9" Square pole arm[9]
- **RPVD09** 9" Round pole arm[9]
- **SPVD12** 12" Square pole arm[9]
- **RPVD12** 12" Round pole arm[9]
- **SPVD14** 14" Square pole arm
- **RPVD14** 14" Round pole arm
- **WBVD09** 9" Wall bracket

KVR2 & KVR3 post-top mounting
- **PT4** Post top, 4" OD open-top pole
- **PT45** Post top, 4-1/2" OD open-top pole
- **PT5** Post top, 5" OD open-top pole
- **PT6** Post top, 6" OD open-top pole
- **RPF20** Round pole fitter (2-3/8" OD tenon)
- **RPF25** Round pole fitter (2-7/8" OD tenon)
- **SPF20** Square pole fitter (2-3/8" OD tenon)
- **SPF25** Square pole fitter (2-7/8" OD tenon)

Options/accessories

Installed
- **LPI** Lamp included
- **L/LP** Less lamp
- **PER** NEMA twist-lock receptacle only (photocontrol not included)
- **SF** Single fuse, 120V, 277V, 347V (n/a TB)
- **DF** Double fuse, 208V, 240V, 480V (n/a TB)
- **EC** Emergency circuit (250W max., lamp not included)
- **HS** House-side shield (ASY, ASYC only. R2, R3 shipped separately)[4]
- **LS** Lamp support (size 3 horizontal optics only)
- **SCWA** Super CWA pulse start ballast (n/a HPS)[10]
- **KW1** KiloWatch 120V control relay[3,13]
- **KW4** KiloWatch 277V control relay[3,13]
- **EHS** External house-side shield[3,11]
- **EHSB** External house-side shield black[3,11]
- **QRS** Quartz restrike system (250W max., lamp not included)
- **GFL** Glass flat lens[4,14]
- **QRSTD** QRS time delay (250W max., lamp not included)[3]
- **TLS** Tool-less access[3]
- **DFP** Door frame painted to match housing[15]
- **CR** Enhanced corrosion resistance
- **CSA** CSA Certified
- **NOM** NOM Certified (consult factory)

Shipped separately
- **PE1** NEMA twist-lock PE (120V-240V)
- **PE3** NEMA twist-lock PE (347V)
- **PE4** NEMA twist-lock PE (480V)
- **PE7** NEMA twist-lock PE (277V)
- **SC** Shorting cap for PER option
- **KVR2VG** Vandal guard

For tenon slipfitters, see pages 540.

NOTES:
1. May be ordered with SCWA.
2. Must be ordered with SCWA.
3. Not available with KVR3.
4. Not available with KVR2.
5. Meets IES cutoff criteria for 1000W high pressure sodium luminaire.
6. Consult factory for availability in Canada.
7. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120v/347V.
8. Must order SPD12 or RPD12 when two or more luminaires are oriented on a 90° drilling pattern.
9. Must order SPVD14 or RPVD14 when two or more luminaires are oriented on a 90° drilling pattern.
10. 175M and 1000M available in vertical lamp distributions only.
11. May be ordered as an accessory.
12. Must use BT37 lamp.
13. For specific ordering information, consult factory.
14. 400W maximum.
15. Door frame is standard DNA (natural aluminum.)

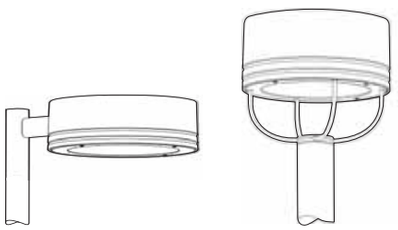
NIGHTTIME FRIENDLY

Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

Requires glass flat lens (GFL) option.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	KVR2 (arm)	*KVR2 (post)*	*KVR3 (arm)*	*KVR3 (post)*
EPA:	1.6ft²(.15m²)	1.7ft²(.16m²)	2.0ft²(.19m²)	2.2ft²(.20m²)
Diameter:	25(63.5)	25(63.5)	29(73.7)	29(73.7)
Height:	17(43.1)	23-7/8(60.6)	18-1/2(47.0)	29-3/16(74.1)
Max. weight:	56lbs(25kg)	60lbs(27.0kg)	70lbs(31.8kg)	80lbs(36.3kg)



www.lithonia.com, keyword: KVR

Arm-Mounted Centriform Cutoff

KAR



Intended Use

For parking lots, plazas or entrances.

Features

Housing – Rugged, heavy-gauge, spun-aluminum housing in centriform shape. Dark bronze polyester corrosion-resistant powder finish (DDB) standard; other architectural colors available.

Door Frame – Aluminum door frame standard with 1/8" impact-resistant, tempered-glass lens. Stainless steel external hardware. One-piece EPT closed-cell gasket.

Mounting – Contoured, extruded-aluminum 9" (KAR1/KAR2) and 12" (KAR3) arms with integral splice compartment for pole or wall mounting. Optional mountings available.

Optics – Anodized, hydroformed aluminum reflectors. Four cutoff distributions available: R2 (roadway), R3 (asymmetric), R4 (forward throw) and R5S (symmetric). R4 reflector is field-rotatable. Reflectors hinge out for easy installation and maintenance.

Electrical – 150S, 100-150M high reactance, high-power factor ballast. Constant-wattage autotransformer ballast, copper wound and 100% factory tested. Removable power door and positive-locking disconnect plugs.

Socket – Horizontally oriented mogul-base porcelain socket (100M and 150M are medium-base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated. (1000S is 5KV pulse rated)

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.

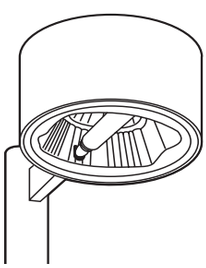
Ordering Information

Example: **KAR3 1000S R4 120 RPD12 LPI**

Designation		Distribution		Voltage	Mounting		Options/accessories	
High pressure sodium		**R2**	Type II roadway (n/a 1000 watt)	**120**	KAR1/KAR2, shipped separately		Installed	
KAR1	**150S**	**R3**	Type III asymmetric	**208**[3]	**SPD09**	9" square pole arm	**LPI**	Lamp included
KAR2	**250S**	**R4**	Type IV forward throw (n/a size 1)	**240**[3]	**RPD09**	9" round pole arm	**L/LP**	Less lamp
KAR2	**400S**	**R5S**	Type V symmetric square (n/a size 1)	**277**	**WBD09**	9" wall bracket	**SF**	Single fuse, 120V, 277V, 347V (n/a TB)
KAR3	**1000S**			**347**	KAR3, shipped separately		**DF**	Double fuse, 208V, 240V, 480V (n/a TB)
Metal halide				**480**[3]	**SPD12**	12" square pole arm	**PER**	NEMA twist-lock receptacle only (no photocontrol)
KAR1	**100M**			**TB**[4]	**RPD12**	12" round pole arm	**QRS**	Quartz restrike system (250W max., 120V lamp not included)
KAR1	**150M**[1]				**WBD12**	12" wall bracket	**CR**	Enhanced corrosion resistance
KAR1	**175M**				Shipped separately		**EC**	Emergency circuit
KAR1	**200M**[2]				**KMA**	Mast arm adapter	**HS**	House-side shield (R3, R4 only)
KAR1	**250M**[1]				**KTMB**	Twin mounting bar	**SCWA**	Super CWA pulse start ballast (n/a HPS, 100M, 175M)
KAR2	**320M**[2]				**DAD12P**	Degree arm (pole)	**CSA**	CSA Certified
KAR2	**350M**[2]				**DAD12WB**	Degree arm (wall)	For optional architectural colors, see page 543.	
KAR2	**400M**[1]						Shipped separately	
KAR3	**1000M**[1]						**PE1**	NEMA twist-lock PE (120V-240V)[5]
							PE3	NEMA twist-lock PE (347V)[5]
							PE4	NEMA twist-lock PE (480V)[5]
							PE7	NEMA twist-lock PE (277V)[5]
							SC	Shorting cap for PER option
							VG	Vandal guard (KAR1/2 below 400W)
							For tenon slipfitters, see page 540.	

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	KAR1	KAR2	KAR3
EPA:[6]	1.2 ft² (.11 m²)	1.5 ft² (.14 m²)	2.2 ft² (.20 m²)
Diameter:	19-1/2 (49.5)	21-1/2 (54.6)	30 (75.6)
Height:	7-1/4 (18.4)	8-5/16 (21.1)	10-1/2 (26.7)
Arm length:	9 (22.9)	9 (22.9)	12 (30.5)
Max. weight:	36 lbs (15.0 kg)	45 lbs (20.0 kg)	53 lbs (24.0 kg)





NOTES:
1 May be ordered with SCWA.
2 Must be ordered with SCWA.
3 Consult factory for availability in Canada.
4 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
5 PER must be ordered with fixture.
6 Includes mounting arm.

KKS
KKR



Intended Use

For walkways, plazas or pedestrian areas.

Features

Housing – Rugged, heavy-gauge, formed-aluminum housing. EPDM one-piece, closed-cell gasket. Dark bronze corrosion-resistant polyester powder finish (DDB) standard; other architectural colors available.

Door Frame – Permanent-mold, cast-aluminum door frame with positive hold-open device. Stainless steel external hardware.

Enclosure – Thermoformed clear acrylic, 0.125" minimum wall thickness. Lens gaskets are EPDM one-piece closed-cell.

Mounting – Internal expansion sleeve pole-fitter with integral splice compartment. Clean transition to pole via 1/4" transition plate. No external hardware. **KKS fixture mounts to 4" square, open-top pole. KKR fixture mounts to 4-1/2" round, open top pole.** Other pole sizes require tenon and tenon slipfitter.

Optics – One-piece, hydroformed, anodized-aluminum reflectors. Four cutoff distributions available: R3 (asymmetric), R4 (forward throw), R5 (symmetric, vertical) and R5S (square). Field-interchangeable reflectors hinge out for easy maintenance.

Electrical – 70-150S high reactance, high-power factor ballast. Constant-wattage autotransformer ballasts are copper wound and 100% factory tested. Removable, unitized power door and positive-locking disconnect plugs (primary and secondary).

Socket – Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations.

Ordering Information

Example: **KKS 70S R3 120 QRS LPI**

Series	Wattage	Distribution	Voltage	Optional mounting[6]	Options/accessories
KKS	High pressure sodium	**R3**	**120**	Shipped separately	Installed
KKR	**70S**	**R4**[3]	**208**[4]	**SM** Side-mounting assembly (one per luminaire)	**LPI** Lamp included
	100S	**R5**[3]	**240**[4]	**WM** Wall-mounting assembly	**L/LP** Less lamp
	150S	**R5S**	**277**	**T20** Tenon slipfitter (for 2" pipe tenon, 2-3/8" OD)	**SF** Single fuse, 120V, 277V, 347V (n/a TB)
	250S		**347**	**T25** Tenon slipfitter (for 2-1/2" pipe tenon, 2-7/8" OD)[7]	**DF** Double fuse, 208V, 240V, 480V (n/a TB)
	400S		**480**[4]		**PER** NEMA twist-lock receptacle only (no photocontrol)
	Metal halide		**TB**[5]		**QRS** Quartz restrike system (250W max., 120V lamp not included)
	150M[1]				**CR** Enhanced corrosion resistance
	175M				**EC** Emergency circuit
	200M[2]				**PC** Polycarbonate lens
	250M[1]				**HS** House-side shield (R3 and R4 only)
	320M[2]				**SCWA** Super CWA pulse start ballast (n/a HPS or 175M).
	350M[2]				**CSA** CSA Certified
	400M[1]				**NOM** NOM Certified (consult factory)

For optional architectural colors, see page 543.

Shipped separately

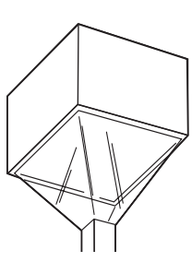
PE1 NEMA twist-lock PE (120V-240V)
PE3 NEMA twist-lock PE (347V)
PE4 NEMA twist-lock PE (480V)
PE7 NEMA twist-lock PE (277V)
SC Shorting cap for PER option

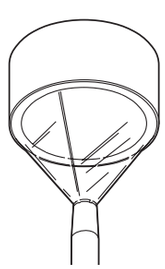
For tenon slipfitters, see page 540.

NOTES:
1 May be ordered with SCWA.
2 Must be ordered with SCWA.
3 Requires ED28 reduced jacket lamp.
4 Consult factory for availability in Canada.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
6 When ordering separately, order as KK_ SM, KK_ WM or KK_ T20 or KKR T25.
7 KKR only.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	KKS	KKR
EPA:	2.5 ft² (.23 m²)	1.6 ft² (.15 m²)
Square:	20-1/4(51.4)	N/A
Diameter:	N/A	22-1/4(56.5)
Housing height:	11-3/4(29.9)	11(27.9)
Overall height:	20-3/4(52.7)	20-1/2(52.1)
Max. weight:	54 lbs (24.4kg)	45 lbs (20.0 kg)





www.lithonia.com, keywords: KKS and KKR

LITHONIA LIGHTING

Decorative Post-Tops

TPA



Intended Use

Residential streets, office complexes, campuses, parks, shopping areas, condominiums and hotels.

Features

Construction – Die-cast aluminum housing and spun aluminum hood coated with polyester powder paint for long-lasting, dependable service. Multi-gasketing system provides weather-proof protection of the optical assembly with hinged hood and captive screw latch promoting case maintenance. Standard finish is grey (DGYG).

Optical System – Prismatic refractors deliver IES roadway distribution types II, III or V. Refractors are available in acrylic, polycarbonate and tempered glass.

Electrical – Reactor, normal power factor ballast (150-watt HPS and below), lag high power factor ballast (250-watt HPS and above) or constant wattage autotransformer (MH and MV) is standard. Other ballasts are available.

Installation – Cone mounting filter with three unobtrusive set screws fastens fixture securely to round poles or tenons sized from 2-3/8" to 3" OD.

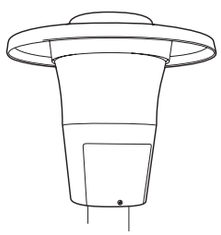
Listings

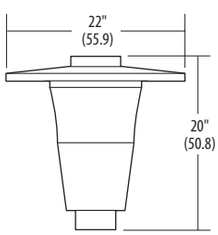
Standard product is NOT Listed by UL, CSA or NOM. Complies to ANSI: C136.2, C136.10, C136.15, C136.16.

Ordering Information

Example: **TPA 100S R2A 120 LPI**

Series	Wattage	Distribution	Voltage	Ballast options[7]	Options
TPA	**35S**[1]	**R2A** Type II roadway, acrylic lens	**120**	(blank) Standard ballast (see above)	Installed
	50S[1]	**R3A** Type III asymmetric, acrylic lens	**208**	**RHP** Reactor high power factor[8]	**LPI** Lamp included
	70S	**R5A** Type V symmetric, acrylic lens	**220**	**RNP** Reactor normal power factor[8]	**L/LP** Less lamp
	100S	**R2P** Type II roadway, polycarbonate lens	**240**	**50HZ** 50 hertz (consult factory)	**SF** Single fuse (120V, 277V 340V only)
	150S	**R3P** Type III asymmetric, polycarbonate lens	**277**	**XHP** High reactance (lag), high power factor[8]	**DF** Double fuse (208V, 220V, 240V, 480V only)
	250S	**R5P** Type V symmetric, polycarbonate lens	**347**	**XNP** High reactance (lag), normal power factor[8]	**PER** NEMA twist-lock receptacle only (photocontrol not included).
	400S[2]	**R2G** Type II roadway, glass lens	**480**	**CWA** Constant wattage autotransformer	**PEU** NEMA twist-lock PE[9]
	175M	**R3G** Type III asymmetric, glass lens	**TB**[3]	**CWI** CWI ballast	**SDH** Style D hood
	250M	**R5G** Type V symmetric, glass lens	**TB1**[3]	**MRB** Mag reg ballast	**OPS** Open plug-in starter[8]
	400M[2]		**TB2**[3]		**ENP** Encapsulated plug-in starter[8]
	175MV		**TB3**[3]		**NML** NEMA label
	250MV		**120/240**[4]		**HSS** Stainless steel external hardware
	400MV[2]		**240/120**		
			240/480[5]		
			480/240[6]		





All dimensions are **inches (centimeters)** unless otherwise noted. Dimensions do not include mounting arm.

EPA:	1.3ft² (0.12m²)
Height:	20 (50.8)
Outside diameter:	22 (55.9)
Weight:	41 lbs (18.6 kg)

NOTES:

1 Only available with 120V.
2 Not available with acrylic or polycarbonate lens; must order with either R2G, R3G or R5G.
3 Optional multi-tap ballast (120V, 208V, 240V, 277V). TB prewired to 277 volt. Others are; 1=120V; 2=208V; and 3=240V.
4 Prewired to 120 volt.
5 Prewired to 240 volt.
6 Prewired to 480 volt.
7 Not all ballast options are available with wattages/sources/voltages. Consult factory.
8 HPS only.
9 Must be ordered with PER.

TCL



Intended Use

Residential streets, office and retail complexes, campuses, parks, condominiums and hotels.

Features

Constuction – Die-cast aluminum housing provides long life, strength and dependable service. Durable polyester powder paint provides long-lasting standard black finish. Integral die-cast hinged top for easy lamping and maintenance, with captive screw latch promoting case maintenance. NEMA twistlock photocell is unobtrusively integrated into top cap detail.

Optical System – Reflector/refractor systems deliver IES roadway types II, III or V. Refractor panels are available in either acrylic or polycarbonate.

Electrical – Reactor, normal power factor ballast is standard for HPS units (high power factor available). Constant wattage autotransformer (high power factor) is standard for MH and MV units.

Installation – Unit mounts quickly and easily to 2-3/8" OD to 3" OD poles or tenons. Set screws anchor the fixture firmly.

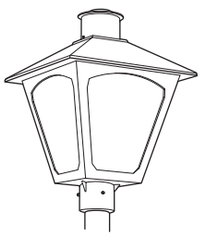
Listings

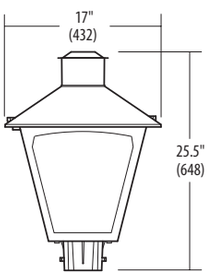
Standard product is NOT Listed by UL, CSA or NOM. For UL and CSA (see Options). Complies to ANSI: C136.2, C136.10, C136.15, C136.16.

Ordering Information

Example: **TCL 100S R2A 120 LPI**

Series	Wattage	Distribution	Voltage	Ballast options[9]	Options
TCL	**35S**[1]	**R2A** Type II roadway, acrylic lens	**120**	(blank) Standard ballast (see above)	Installed
	50S[1]	**R3A** Type III asymmetric, acrylic lens	**208**	**RHP** Reactor high power factor[6]	**LPI** Lamp included
	70S	**R5A** Type V symmetric, acrylic lens	**220**	**RNP** Reactor normal power factor[6]	**L/LP** Less lamp
	100S	**R5CA** Type V symmetric, clear acrylic lens	**240**	**50HZ** 50 hertz (consult factory)	**SF** Single fuse (120V, 277V, 347V only)
	150S	**R2P** Type II roadway, polycarbonate lens	**277**	**XHP** High reactance, high power factor[6]	**DF** Double fuse (208V, 220V, 240V, 480V only)
	175M	**R3P** Type III asymmetric, polycarbonate lens	**347**	**XNP** High reactance (lag), normal power factor[6]	**PER** NEMA twist-lock receptacle only (photocontrol not included).
	175MV	**R5P** Type V symmetric, polycarbonate lens	**480**	**CWA** Constant wattage autotransformer	**PEU** NEMA twist-lock PE[10]
		R5CP Type V symmetric, clear polycarbonate lens	**TB**[2]	**CWI** CWI ballast	**OPS** Open plug-in starter[6]
		R2 Type II roadway[6,8]	**TB1**[2]	**MRB** Mag reg ballast	**ENP** Encapsulated plug-in starter[6]
			TB2[2]		**NML** NEMA label
			TB3[2]		**HS** House side shield
			120/240[3]		**TLS** Tool-less entry
			240/480[4]		**HSS** Stainless steel external hardware
			240/480[4]		**FC** Full cutoff[6,7]
			480/240[5]		**UL** UL Listed
					CSA CSA Certified





NOTES:

1 Only available with 120V.
2 Optional multi-tap ballast (120V, 208V, 240V, 277V). TB prewired to 277 volt. Others are; 1 = 120V; 2 = 208V; and 3 = 240V.
3 Prewired to 120V.
4 Prewired to 240V.
5 Prewired to 480V.
6 HPS only.
7 Available with R2 distribution, 120V, RNP ballast only.
8 Available with FC option only.
9 Not all ballast options are available with all wattages/sources/voltages. Consult factory.
10 Must be ordered with PER.

Dimensions are shown in **inches (centimeters)** unless otherwise noted. Dimensions do not include mounting arm.

EPA:	1.6ft² (0.15m²)
Height (B):	25-5/8 (57.5)
Width:	16-1/4 (41.3)
Weight:	36 lbs (12.7 kg)

Low Pressure Sodium

KT1



Intended Use

For parking lots, walkways, building facades, industrial sites and entrances. Designated for intrinsically dark areas, such as those surround observatories and sea turtle habitats.

Features

Housing – Heavy-gauge aluminum housing, rectilinear shape, continuously welded seams for weather-tight integrity. Dark bronze polyester powder finish (DDB) standard, other architectural colors available.

Door frame – Natural, anodized, extruded aluminum frame with mitered corners, retained with two hinge pins and secure with one, quarter turn quick release fastener. Integrally designed, extruded silicone gasket provides weather-proof seal between housing and frame.

Lens – Clear glass lens standard, polycarbonate lens available.

Electrical – High-reactance autotransformer, copper wound and 100% factory tested standard.

Listings

UL Listed (standard). CSA Certified (see Options). Suitable for wet locations.

Ordering Information

Example: **KT1 90L 120 SP04 PER LPI**

Series	Wattage	Voltage
KT1	**35L**	**120**
	55L	**208**[2]
	90L	**240**[2]
		277
		480[2,3]

Mounting

Included

SP04	4" square pole arm (std)[4]
SP06	6" square pole arm
RP04	4" round pole arm[4]
RP06	6" round pole arm
WB04	4" wall bracket
WB06	6" wall bracket

Shipped separately

KMA	Mast arm adapter
KTMB	Twin mounting bar

Options/accessories

Installed

LPI	Lamp included
LPIC	Lamp included (deluxe/coated)
L/LP	Less lamp
PER	NEMA twist-lock receptacle only (photocontrol not included)
PC	Polycarbonate lens
SF	Single fuse, 120V, 277V, 347V (n/a TB)
DF	Double fuse, 208V, 240V, 480V (n/a TB)
CR	Corrosion-resistant finish
CSA	CSA Certified
DGYG	Gray finish
DBL	Black finish
DWH	White finish

Shipped separately

PE1	NEMA twist-lock PE (120V-240V)
PE3	NEMA twist-lock PE (347V)
PE4	NEMA twist-lock PE (480V)
PE7	NEMA twist-lock PE (277V)
SC	Shorting cap for PER option

NOTES:
1 Consult factory for availability in Canada
2 Reactor ballast
3 SP06, RP06, WW06 must be used when two or more luminaires are oriented on a 90° drilling pattern.

Consult specification sheet for dimensional data.

Arm Mounted Cutoff Low Pressure Sodium

KML



Intended Use

For parking lots, walkways, building facades, industrial sites and entrances. Designated for intrinsically dark areas, such as those surround observatories and sea turtle habitats.

Features

Housing – Three durable formed housings available depending upon lamp wattage. Dark bronze polyester powder finish (DDB), other architectural colors available. Standard KML does NOT ship with an arm. It is designed for mounting on a 1-1/2" to 2" OD mast arm. If you have other mounting desires, you must order arms and/or tenons seperately. Consult factory.

Door frame – Hinged captive frame secured by captive screws for ease of maintenance. Full perimeter silicon sponge gasket.

Lens – Clear glass lens standard, polycarbonate lens available.

Electrical – Choice of a reactor high power factor or lag high power factor ballast.

Listings

Standard Product is NOT Listed by UL or CSA.

Ordering Information

Example: **KML 135L 120 RHP PER PEU LPI**

Designation	Voltage		
KML 55L	**120**	**347**	**TB2**[1,2]
KML 90L	**208**	**480**	**TB3**[1,2]
KML 135L	**240**	**TB**[1,2]	**120/240**
KML 180L	**277**	**TB1**[1,2]	**240/120**

Ballast options

RHP	Reactor high power factor
XHP	High reactance (lag) high power factor

Options/accessories

Installed

LPI	Lamp included
LPIC	Lamp included (deluxe/coated)
L/LP	Less lamp
PER	NEMA twist-lock receptacle only (photocontrol not included)
PEU	NEMA twist-lock PE
PC	Polycarbonate lens
NML	NEMA label
DGYG	Gray finish
DBL	Black finish
DWH	White finish

Shipped separately[3]

SC	Shorting cap for PER option

NOTES:
1 Optional multi-tap ballast (120, 208, 240, 277). TB prewired to 277V. Others are 1=120V; 2=208V; 3=240V.
2 Not Available with RHP
3 Standard KML does NOT ship with an arm. It is designed for mounting on a 1-1/2" to 2" mast arm. If you have other mounting desires, you must order arms and/or tenons separately. Consult factory.

Consult specification sheet for dimensional data.

KRP
KRX
KP2

Intended Use

Roadway Lighting around intrinsically dark areas, such as those surrounding observatories and sea turtle habitats.

Features

Housing – *KRP and KP2* are constructed of non-corrosive ABS plastic with UV-inhibiting coating. Gray (DGYG) standard finish. *KRX* utilizes a vandal-resistant, rugged and corrosive-resistant die-cast aluminum housing. Standard finish is "unfinished" aluminum.

Lens – Choice of drop acrylic prismatic refractor or drop polycarbonate prismatic refractor.

Electrical – Choice of a reactor high power factor or lag high power factor ballast.

Installation – *KRP and KP2* fixtures accept 1.5-2" OD mast arm. Mounting end must have a 6.75" straight section (min.). *KRX* accepts 1.625-2.375" ODA tenon. Mounting end of tenon must have a 4.5" straight section (min.).

Listings

Standard product is NOT Listed by UL or CSA.



KRP



KRX



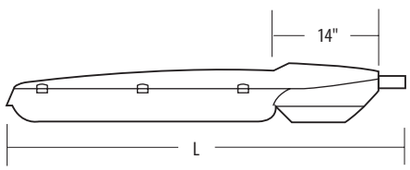
KP2

Ordering Information

Example: **KRP 90L R4 DLA 120 XHP PER LPI**

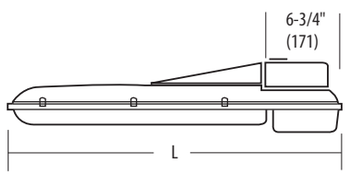
Series	Wattage	Distribution	Lens	Voltage	Ballast	Options/accessories
KRP	Low pressure sodium	**R4**	**DLA** Drop lens acrylic	**120**	**XHP** High reactance (lag) high power factor	Installed
KRX	**35L**[1]		**DLP** Drop lens polycarbonate	**208**	**RHP** Reactor high power factor[5]	**LPI** Lamp included
KP2	**55L**[1]			**240**		**LPIC** Lamp included (deluxe/coated)
	90L[2]			**277**		**L/LP** Less lamp
	135L[2]			**347**		**PER** NEMA twist-lock receptacle only (photocontrol not included)
	180L[2]			**480**		**PEU** NEMA twist-lock PE
				120/240[6]		**SF** Single fuse (120V, 277V, 347V)[3]
				240/120[7]		**DF** Double fuse (208V, 240V, 480V)[3]
				208/277[8]		Shipped separately[4]
				277/208[9]		**SC** Shorting cap for PER option

NOTES:
1 Available in KRX only.
2 Not available in KRX.
3 Not available with dual-tap voltages (120/240, 240/120, 208/277, 277/208).
4 May be ordered as an accessory.
5 Available in 480V in KRX (35L and 55L) 480V in 90L in KRP and 480V 135L in KP2 only.
6 Prewired to 120.
7 Prewired to 240.
8 Prewired to 208.
9 Prewired to 277.

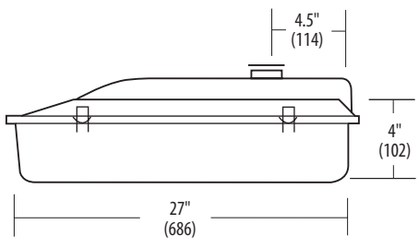


KRP

Series	Weight (lbs.)	EPA (sq. ft.)
KRP90	51	1.45
KRP135	51	1.45
KRP180	51	1.86
KRX	20	1.00
KP290	31	1.00
KP2135	31	1.20
KP2180	31	1.45



KP2



KRX

www.lithonia.com, keywords: KRP, KRX and KP2

Medium Wattage-Rectilinear Roadway Lighting

KDC1
KDC2



Intended Use

For parking areas, street lighting, walkways and car lots.

Features

Housing – Durable die-cast aluminum housing for long life. Standard product is designed to mount to pipe mast arm. KDC1 and KDC2 fixtures accept up to 2-3/8" OD mast arm. Direct pole mount arms are available. Consult factory. Dark bronze polyester powder finish (DDB) standard, other architectural colors available.

Lens – Choice of flat tempered glass, sag glass, drop acrylic or drop polycarbonate.

Electrical – Removable ballast tray electrical system for installation and maintenance ease. Not all ballast options are compatible with all wattage/voltage sources. Consult factory.

Listings

UL Listed standard. CSA Certified (see Options).

Ordering Information

Example: **KDC1 100S R2 FL 120 RNP PER LPI**

Wattage

High pressure sodium
- **KDC1 70S**
- **KDC1 100S**
- **KDC1 150S**
- **KDC2 200S**
- **KDC2 250S**
- **KDC2 310S**
- **KDC2 400S**
- **KDC2 250/400S**
- **KDC2 400/250S**

Metal halide
- **KDC1 175M**
- **KDC2 250M**
- **KDC2 400M**

Mercury vapor
- **KDC1 175MV**
- **KDC2 250MV**
- **KDC2 400MV**

Distribution

- **R2**
- **R3**

Lens

- **DLA** Drop acrylic prismatic refractor[1]
- **DLP** Drop polycarbonate prismatic refractor[1]
- **FL** Flat lens, tempered glass (clear)[2,3]
- **SLG** Sag lens, tempered glass (clear)[4]

Voltage

- **120**
- **208**
- **240**
- **277**
- **347**
- **480**
- **TB**[5,6]
- **TB1**[5,6]
- **TB2**[5,6]
- **TB3**[5,6]
- **120/240**[13]
- **240/120**[14]
- **240/480**[14]
- **480/240**[15]

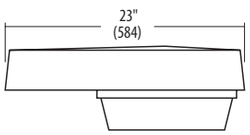
Ballast[7]

- **RNP** Reactor normal power factor[1]
- **RHP** Reactor high power factor[1]
- **50HZ** 50 hertz
- **MRB** Mag reg ballast
- **CWI** CWI ballast
- **CWA** Constant wattage autotransformer
- **XHP** High reactance (lag) high power factor[1]
- **XNP** High reactance (lag) normal power factor[1]

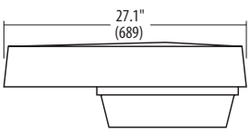
Options/accessories[8]

Installed
- **LPI** Lamp included
- **LPIC** Lamp included, coated
- **L/LP** Less lamp
- **PER** NEMA twist-lock receptacle only (photocontrol not included)
- **PEU** NEMA twist-lock PE
- **MA2** 2-bolt internal 2" setting
- **HKP** Hinge keeper
- **OPS** Open plug-in starter[1]
- **ENP** Encapsulated plug-in starter[1]
- **PSS** Protected auto shutoff[9]
- **T2P** Terminal block-two position wired L1, L2
- **T3P** Terminal block-three position wired L1, N, L2
- **CSA** CSA Certified
- **NML** NEMA label
- **HSS** Stainless steel external hardware
- **LSA** Single lighting surge arrestor[10]
- **SF** Single fuse, 120V, 277V, 347V (n/a TB)[11]
- **DF** Double fuse, 208V, 240V, 480V (n/a TB)[11]
- **DBL** Black finish
- **DGYG** Gray finish
- **DWH** White finish

Shipped separately[12]
- **SC** Shorting cap for PER option



KDC1



KDC2

NOTES:
1. HPS only.
2. N/A with 250M, 400M, 250MV or 400MV when ordered in the R3 distribution.
3. Requires use of ED28 lamp in order to accommodate R2 FL in 400M and 400MV.
4. N/A with 250M, 400M, 250MV or 400MV when ordered in the R2 distribution.
5. Optional multi-tap ballast (120V, 208V, 240V, 277V). TB prewired to 277V. Others are 1=120V; 2=208V; 3=240V.
6. N/A with RNP or RHP.
7. Not all ballast options are available with all wattage/voltage sources. Consult factory.
8. KDC1 and KDC2 do NOT ship with an arm. These products are designed for mounting on a pipe mast arm (1.25" internal fitter). For other mounting requirements, consult factory.
9. Limited availability, consult factory.
10. 120, 277V onl, n/a TB.
11. Voids UL/CSA Listing, n/a dual-tap voltages (120/240V, 240/120V, 240/480V or 480/240V.)
12. May be ordered as an accessory.
13. Prewired to 120V.
14. Prewired to 240V.
15. Prewired to 480V.

Series	Weight (lbs.)	EPA (sq. ft.)
KDC1, refractor	30	1.4
KDC1, flat lens	30	1.1
KDC2, flat lens	45	2.1
KDC2, drop lens	45	2.4

TDS2
TDS3

Intended Use

For roadways, residential streets, parking lots, walkways and parks.

Features

Housing – Innovative docking system provides modular installation and interchangeability for easy maintenance. Rugged die-cast, powder-coated docking station mounts securely to mast-arm to ensure secure wiring and long-lasting stability. Durable lightweight fixture positively docks by plugging in with a 20° locking twist. Cam-latch door frame allows easy re-lamping without tools on the TDS2 fixture, while die-cast trigger latch on the door frame of the TDS3 fixture enables easy and secure one-hand opening for re-lamping and maintenance. Wildlife shield is cast into the docking station (not a separate piece) and easily is adjustable for 1.25" to 2" mast arms. Gray finish standard.

Lens – Choice of flat tempered glass, sag glass, drop acrylic or drop polycarbonate. Optical chamber is IP64 rated.

Electrical – Not all ballast options are compatible with all wattage/voltage sources. Consult factory.

Listings

UL Listed (standard). CSA Certified (see Options).



Ordering Information

Example: **TDS2 175MV R3 DLP 277 CWA PER LPI**

Designation

High pressure sodium
- **TDS2 30S**
- **TDS2 50S**
- **TDS2 70S**
- **TDS2 100S**
- **TDS2 150S**
- **TDS3 200S**
- **TDS3 250S**
- **TDS3 310S**
- **TDS3 400S**
- **TDS3 250/400S**
- **TDS3 400/250S**

Metal halide
- **TDS2 175M**[1]
- **TDS3 175M**
- **TDS3 250M**
- **TDS3 400M**
- **TDS3 250/400M**
- **TDS3 400/250M**

Mercury vapor
- **TDS2 100MV**[1]
- **TDS2 175MV**
- **TDS3 175MV**
- **TDS3 250MV**
- **TDS3 400MV**

Distribution

- **R2**
- **R3**

Lens

- **DLA** Drop acrylic prismatic refractor[2,3]
- **DLP** Drop polycarbonate prismatic refractor[2]
- **FL** Flat lens, tempered glass (clear)[4]
- **SLG** Sag lens, tempered glass (clear)[5]

Voltage

- **120**
- **208**
- **240**
- **277**
- **480**
- **TB**[6,7]
- **TB1**[6,7]
- **TB2**[6,7]
- **TB3**[6,7]
- **120/240**[12]
- **240/120**[13]
- **240/480**[13]
- **480/240**[14]

Ballast[8]

- **RNP** Reactor normal power factor[9]
- **RHP** Reactor high power factor[9]
- **50HZ** 50 hertz
- **MRB** Mag reg ballast
- **CWI** CWI ballast
- **CWA** Constant wattage autotransformer
- **XHP** High reactance (lag) high power factor[9]
- **XNP** High reactance (lag) normal power factor[9]
- **L/E** Less electrical[10]

Options/accessories

Installed
- **LPI** Lamp included
- **LPIC** Lamp included, coated
- **L/LP** Less lamp
- **PER** NEMA twist-lock receptacle only (photocontrol not included)
- **PEU** NEMA twist-lock PE
- **MA2** 2-bolt internal 2" setting
- **L/DLD** Less docking station
- **IS** Vertical tenon mount (integral slipfitter)
- **DPL** Distribution pattern indicator label
- **CSA** CSA Certified
- **HSS** Stainless steel external hardware

Shipped separately[11]
- **SC** Shorting cap for PER option

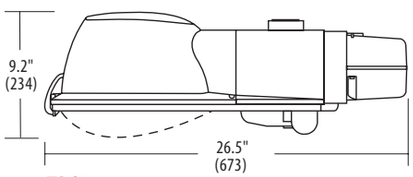
NOTES:
1. Available with DLP lens only.
2. N/A with TDS3.
3. N/A with 150S, 175M and 175MV.
4. N/A with 175M or 175MV in TDS2.
5. N/A with TDS2.
6. Optional multi-tap ballast (120, 208, 240, 277). TB prewired to 277V. Others are 1=120V; 2=208V; 3=240V.
7. N/A with RNP or RHP.
8. Not all ballast options are available with all wattage/voltage sources. Consult factory.
9. HPS only.
10. Shipped without ballast/electrical components.
11. May be ordered as an accessory.
12. Prewired to 120V.
12. Prewired to 240V.
14. Prewired to 480V.

Series	Weight (lbs.)	EPA (sq. ft.)
TDS2, flat lens	14	.56
TDS2	14	.70
TDS3, flat lens	30	1.24
TDS3	30	1.43

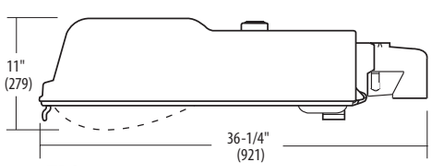
NIGHTTIME FRIENDLY

Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

May depend on optical selection. Consult factory



TDS2



TDS3

www.lithonia.com, keyword: TDS

LITHONIA LIGHTING

CHE



Intended Use

Ideal for roadways, residential streets, storage areas, parking lots, campuses and parks.

Features

Construction – Stainless steel latch permits easy opening with one hand for relamping and servicing. Large surface area "breathing-seal" polyester gasketing protects reflector and lens from contaminants; maintains maximum optical efficiency. **Twist-lock photocontrol receptacle NOT included as standard. (To order, specify PER option, see below.)** Integral wildlife shield.

Finish – Gray (DGYG) polyester powder paint finish is electrostatically applied for superior corrosion resistance.

Optical System – Ovate refractors in a variety of materials or flat tempered glass full cutoff lens provides a choice of efficient light distributions for every application. Optics are computer designed for maximum performance.

Electrical System – Reactor, normal power factor ballast standard. High power factor available (see Options). Two or three-position (L1, L2, N) tunnel type compression terminal block standard.

Installation – Two-bolt mast arm mount. Arm is compatible with 1.25" - 2.0" (3.2cm - 5.1cm) mast arm.

Listings

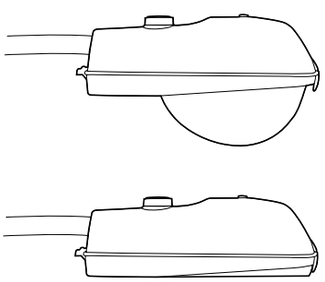
IP32 rated housing and IP54 rated optical assembly is standard. Standard product is NOT Listed by UL, CSA or NOM. For specific Listing requirements, consult factory.

Ordering Information

Example: **CHE 100S R2 DLG 120 PER LPI**

Series	Wattage	NEMA distribution	Lens	Voltage	Ballast options	Options
CHE	High pressure sodium **35S**[1] **50S** **70S** **100S** **150S**	**R2** **R3**	**DLG** Drop lens glass (std.) **DLA** Drop lens acrylic[2] **DLP** Drop lens polycarbonate[2] **FL** Flat tempered glass lens, full cutoff	(blank) 120 **L/E** L/E[3]	(blank) Reactor normal power factor ballast (std.) **RHP** Reactor high power factor ballast	Installed **LPI** Lamp included **L/LP** Less lamp **PER** NEMA twist-lock receptacle only (photocontrol not included) **PEU** NEMA twist-lock PE **DPL** Distribution pattern label **T2P** Terminal block - two position wired L1, L2 **HSS** Stainless steel external hardware Shipped separately[4] **SC** Shorting cap for PER option

NOTES:
1 Not available with RHP.
2 Available with R2 distribution only.
3 Shipped without ballast/electrical components.
4 May be ordered as an accessory.



Dimensions are shown in **inches (centimeters)** and **pounds (kilograms)** unless otherwise noted.

Flat lens EPA:	.61 ft² (.057 m²)
Drop lens EPA:	.77 ft² (.072 m²)
Length:	21(53.3)
Width:	12-7/8(32.7)
Flat lens depth:	6-7/8(12.5)
Drop lens depth:	10-1/2(26.7)
Weight:	12(5.4)

CHL
CHLD



Intended Use

Ideal for roadways, residential streets, storage areas, parking lots, shopping centers, apartments and condominium complexes, campuses and parks.

Features

Construction – Die-cast trigger latch on lower housing permits easy one-hand opening for relamping and servicing. Large surface area "breathing-seal" polyester gasketing protects reflector and lens from contaminants; maintains maximum optical efficiency. Die-cast low copper aluminum alloy for light weight, strength and reliable service. **Twist-lock photocontrol receptacle NOT included as standard. (To order, specify PER option, see below.)** CHLD units: all major electrical components mounted on removable power door for easy field servicing and maintenance.

Finish – Gray (DGYG) polyester powder paint finish is electrostatically applied for superior corrosion resistance.

Optical System – Ovate refractors or full cutoff flat lens styles provide a choice of efficient light distributions for every application. Optics are computer designed for maximum performance. One-piece screw shell socket provides positive retention of lamp under vibration.

Electrical System – Lag, high power factor (HPS) or constant wattage autotransformer (MH and MV) standard. Two- or three-position (L1, L2, N) tunnel type compression terminal block standard.

Installation – Two-bolt mast arm mount with integral stepped leveling system provides secure mounting and easy leveling. Arm is compatible with 1.25"-2.0" (3.2 cm - 5.1 cm) mast arm. Four bolt mast arm mount available.

Listings

IP64 rated optical assembly. Standard product is NOT Listed by UL, CSA or NOM. For UL or CSA (see Options).

Ordering Information

Example: **CHL 150S R2 DLG 120 PER LPI**

Series	Wattage	Distribution	Lens	Voltage	Ballast[12]	Options
CHL	High pressure sodium	**R2**	**DLG** Drop lens glass (prismatic)	**120**	(blank) Standard ballast (see above)	Installed
CHLD	**50S**	**R3**	**DLA** Drop lens acrylic (prismatic)[1]	**208**	**RNP** Reactor normal power factor[4]	**LPI** Lamp included
	70S		**DLP** Drop lens polycarbonate (prismatic)[2]	**220**	**RHP** Reactor high power factor[4]	**LPIC** Lamp included (deluxe/coated)
	100S		**FL** Flat lens, tempered glass (clear)[3]	**240**	**50HZ** 50 hertz	**L/LP** Less lamp
	150S		**FLX** Flat lens, tempered glass, high performance (clear)[4,5]	**277**	**MRB** Mag reg ballast	**PER** NEMA twist-lock receptacle only (photocontrol not included)
	250S		**SLG** SAG lens, tempered glass (clear)[5]	**480**	**CWI** CWI ballast	**PEU** NEMA twist-lock PE
	100/150S			**TB**[6,7]	**CWA** Constant wattage autotransformer	**CF** Charcoal filter
	150/100S			**TB1**[6,7]	**XHP** High reactance (lag) high power factor[4]	**BLV** Bubble level
	Metal halide			**TB2**[6,7]	**XNP** High reactance (lag) normal power factor[4]	**4B4BM** 4-bolt mounting
	175M			**TB3**[6,7]		**2EF** External fitter (2-bolt only)
	250M			**120/240**[8]		**MA2** 2-bolt internal 2" pipe setting
	Mercury vapor			**240/120**[9]		**OPS** Open plug-in starter[4]
	175MV			**240/480**[9]		**ENP** Encapsulated plug-in starter[4]
	250MV			**480/240**[10]		**DPL** Distribution pattern label
				L/E[11]		**T2P** Terminal block-two position wired L1, L2
						T3P Terminal block-two position wired L1, N, L2
						UL UL Listed
						CSA CSA Certified
						HHSS Stainless steel external hardware
						LSA Single lighting surge arrestor[13]
						SF Single fuse, 120V, 277V, 347V (n/a TB)[13,14]
						DF Double fuse, 208V, 220V, 240V, 480V (n/a TB)[14,15]
						DDB Dark bronze finish
						DBL Black finish
						Shipped separately[16]
						SC Shorting cap for PER option

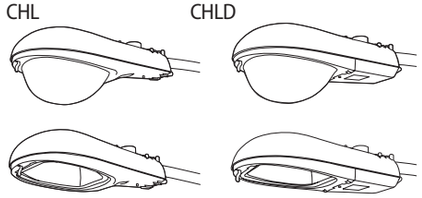
NOTES:

1 150S, 175M, 175MV max.
2 N/A with 400S
3 HPS - 150 watt max. with R3; MH or MV must use deluxe/coated lamp (LPIC).
4 HPS only.
5 Not available with 200S or 250S.
6 Optional multi-tap ballast (120, 208, 240, 277). TB prewired to 277V. Others are 1=120V; 2=208V; 3=240V.
7 N/A with RNP or RHP.
8 Prewired to 120V.
9 Prewired to 240V.
10 Prewired to 480V.
11 Shipped without ballast/electrical components.
12 Not all ballast options are available with all wattage/sources/voltages, consult factory.
13 120, 277V only, n/a TB.
14 Not available with UL or CSA options.
15 208, 220, 240, 480V only, n/a TB.
16 May be ordered as an accessory.

Dimensions are shown in **inches (centimeters)** and **pounds (kilograms)** unless otherwise noted. Dimensions do not include mounting arm.

	CHL	*CHLD*
Flat lens EPA:	.74 ft² (.07 m²)	.74 ft² (.07 m²)
Drop lens EPA:	.90 ft² (.08 m²)	.90 ft² (.08 m²)
Flat lens depth:	6-1/2 (16.5)	6-1/2 (16.5)
Drop lens depth:	10-1/8 (25.7)	10-1/8 (25.7)
Length:	27 (66.6)	27 (66.6)
Width:	13 (33.0)	13 (33.0)
Weight:	29 (13.2)	33 (15.0)

CHL CHLD



www.lithonia.com, keyword: CHL and CHLD

CHM
CHMD



Intended Use

Ideal for roadways, residential streets, storage areas, parking lots, shopping centers, apartments and condominium complexes, campuses and parks.

Features

Construction – Die-cast trigger latch on lower housing for easy one-hand opening for relamping and servicing. Large surface area "breathing-seal" polyester gasketing protects reflector and lens from contaminants; maintains maximum optical efficiency. Die-cast low copper aluminum alloy for light weight, strength and reliable service. **Twist-lock photocontrol receptacle NOT included as standard. (To order, specify PER option, see below.)** CHMD units: all major electrical components mounted on removable power door for easy field servicing and maintenance.

Finish – Gray (DGYG) polyester powder paint finish is electrostatically applied for superior corrosion resistance.

Optical System – Ovate refractors or full cutoff flat lens styles provide a choice of efficient light distributions for every application. Optics are computer designed for maximum performance. One-piece screw shell socket for positive retention of lamp under vibration.

Electrical System – Lag, high power factor or constant wattage autotransformer standard. Two- or three-position (L1, L2, N) tunnel type compression terminal block standard.

Installation – Four-bolt mast arm mount – the most secure mounting in the industry. Arm is compatible with 1.25" - 2.0" (3.2cm - 5.1cm) mast arm.

Listings

IP64 rated optical assembly. Standard product is NOT Listed by UL, CSA or NOM. For UL or CSA (see Options).

Ordering Information

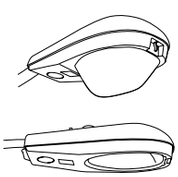
Example: **CHM 400S R2 DLG 120 PER LPI**

Series	Wattage	NEMA distribution	Lens	Voltage	Ballast[12]	Options/accessories
CHM	High pressure sodium	**R2**	**DLG** Drop lens glass (prismatic)[2]	**120**	(blank) Standard ballast (see above)	Installed
CHMD	**200S**	**R3**	**DLP** Drop lens polycarbonate (prismatic)	**208**	**RNP** Reactor normal power factor[4]	**LPI** Lamp included
	250S	**R4**[1]	**FL** Flat lens, tempered glass (clear)[3]	**220**	**RHP** Reactor high power factor[4]	**LPIC** Lamp included (deluxe/coated)
	310S		**FLX** Flat lens, tempered glass, high performance (clear)[4]	**240**	**50HZ** 50 hertz	**L/LP** Less lamp
	250/400S		**SLG** SAG lens, tempered glass (clear)[5]	**277**	**MRB** Mag reg ballast	**PER** NEMA twist-lock receptacle only (photocontrol not included)
	400/250S			**480**	**CWI** CWI ballast	**PEU** NEMA twist-lock PE
	400S			**TB**[6,7]	**CWA** Constant wattage autotransformer	**CF** Charcoal filter
	Metal halide			**TB1**[6,7]	**XHP** High reactance (lag) high power factor[4]	**BLV** Bubble level
	175M			**TB2**[6,7]	**XNP** High reactance (lag) normal power factor[4]	**2BM** 2-bolt mounting
	250M			**TB3**[6,7]	**SCWA** Super CWA pulse start[13]	**OPS** Open plug-in starter[4]
	250/400M			**120/240**[8]		**ENP** Encapsulated plug-in starter[4]
	400/250M			**240/120**[9]		**DPL** Distribution pattern label
	320M			**240/480**[9]		**T2P** Terminal block-two position wired L1, L2
	350M			**480/240**[10]		**T3P** Terminal block-three position wired L1, N, L2
	400M			**L/E**[11]		**UL** UL Listed
	Mercury vapor					**CSA** CSA Certified
	175MV					**HHSS** Stainless steel external hardware
	250MV					**LSA** Single lighting surge arrestor[14]
	400MV					**SF** Single fuse, 120V, 277V, 347V (n/a TB)[14,15]
						DF Double fuse, 208V, 220V, 240V, 480V (n/a TB)[15,16]
						DDB Dark bronze finish
						DBL Black finish
						Shipped separately[17]
						SC Shorting cap for PER option

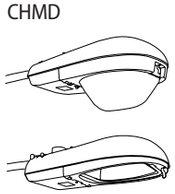
NOTES:

1 Available only in HPS with DLG lens.
2 Not available with 175M, 250M, 175MV or 250MV when ordered in the R2 distribution.
3 Not available with 400M or 400MV.
4 HPS only.
5 Not available with 175M, 250M, 175MV or 250MV.
6 Optional multi-tap ballast (120, 208, 240, 277). TB prewired to 277V. Others are 1=120V; 2=208V; 3=240V.
7 Not available with RNP or RHP.
8 Prewired to 120V.
9 Prewired to 240V.
10 Prewired to 480V.
11 Shipped without ballast/electrical components.
12 Not all ballast options are available with all wattage/sources/voltages. Consult factory.
13 Pulse start MH only.
14 120, 277V only, n/a TB.
15 Not available with UL or CSA options.
16 208, 220, 240, 480V only, n/a TB.
17 May be ordered as an accessory.

CHM



CHMD



Dimensions are shown in **inches (centimeters)** and **pounds (kilograms)** unless otherwise noted. Dimensions do not include mounting arm.

	CHM	CHMD
Flat lens EPA:	1.14ft²(.11m²)	1.14ft²(.11m²)
Drop lens EPA:	1.3ft²(.12m²)	1.3ft²(.12m²)
Flat lens depth:	7-1/2(19.1)	7-1/2(19.1)
Drop lens depth:	14(35.6)	14(35.6)
Length:	31-1/2(80.0)	31-1/2(80.0)
Width:	14-3/4(37.5)	14-3/4(37.5)
Weight:	41(18.6)	45(20.4)

CHX

Intended Use

Ideal for roadways, residential streets, storage areas, parking lots, shopping centers, apartments and condominium complexes, campuses and parks.

Features

Construction – Die-cast trigger latch on lower housing for easy one-hand opening for relamping and servicing. Large surface area "breathing-seal" polyester gasketing protects reflector and lens from contaminants; maintains maximum optical efficiency. Die-cast low copper aluminum alloy for light weight, strength and reliable service. **Twist-lock photocontrol receptacle NOT included as standard. (To order, specify PER option, see below.)**

Finish – Gray (DGYG) polyester powder paint finish is electrostatically applied for superior corrosion resistance.

Optical System – Ovate refractor/reflector optics provide a uniform distribution pattern with superior luminaire-to-pole spacing. One-piece screw shell socket provides positive retention of lamp under vibration.

Electrical System – Constant wattage autotransformer standard. Two- or three-position (L1, L2, N) tunnel type compression terminal block standard.

Installation – Four-bolt mast arm mount – the most secure mounting in the industry. Arm is compatible with 1.25" - 2.0" (3.2cm - 5.1cm) mast arm.

Listings

Standard product is NOT Listed by UL, CSA or NOM.



Ordering Information

Example: **CHX 400S R2 DLG 120 PER LPI**

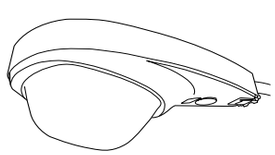
Series	Wattage	NEMA distribution	Lens	Voltage	Ballast options[7]	Options/accessories
CHX	High pressure sodium	**R2**[1]	**DLG** Drop lens glass (std.)	**120**	(blank) Standard CWA	Installed
	310S	**R3**		**208**	**CWI** CWI ballast	**LPI** Lamp included
	400S			**240**	**SCWA** SCWA pulse start[8]	**L/LP** Less lamp
	1000S			**220**	**MRB** Mag reg ballast (3 coil)	**PER** NEMA twist-lock receptacle only (photocontrol not included)
	Metal halide			**277**		**PEU** NEMA twist-lock PE
	1000M			**480**		**BLV** Bubble level
	Mercury vapor			**TB**[2]		**DPL** Distribution pattern label
	700MV			**TB1**[2]		**T2P** Terminal block-two position wired L1, L2
	1000MV			**TB2**[2]		**T3P** Terminal block-three position wired L1, N, L2
				TB3[2]		**HHSS** Stainless steel external hardware
				120/240[3]		**LSA** Single lighting surge arrestor[9]
				240/120[4]		**SF** Single 5-amp fuse[9]
				240/480[4]		**DF** Double 5-amp fuse[10]
				480/240[5]		**DDB** Dark bronze finish
				L/E[6]		**DBL** Black finish
						Shipped separately[11]
						SC Shorting cap for PER option

NOTES:

1. Not available in 1000 HPS.
2. Optional multi-tap ballast (120V, 208V, 240V, 277V). TB prewired to 277V. Others are: 1 = 120V, 2 = 208V, 3 = 240V
3. Prewired to 120V.
4. Prewired to 240V.
5. Prewired to 480V.
6. Shipped without ballast/electrical components.
7. Not all ballasts are available with all wattages/sources/voltages, consult factory.
8. Pulse start in MH only.
9. Available in 120V and 277V only.
10. Available in 208, 220, 240 and 480V only.
11. May be ordered as an accessory.

Dimensions are shown in **inches (centimeters)** and **pounds (kilograms)** unless otherwise noted. Dimensions do not include mounting arm.

EPA:	1.96ft² (.18m²)
Depth:	16-1/4(41.3)
Length:	38-3/8(97.5)
Width:	17-1/2(44.5)
Weight:	76(34.5)



www.lithonia.com, keyword: CHX

LITHONIA LIGHTING

Set-Back Roadway Ligting

TMM



Intended Use

For interstate roadways, commercial and residential roadways and large parking areas.

Features

Housing – Durable die-cast aluminum housing for long life. Adjustable and locking knuckle mount provides for precise and secure aiming of the luminaire. TMM fixtures accept up to 3" OD mast arm. Latch-on lens frame enables easy and secure one-handed opening for re-lamping. Dark bronze polyester powder finish (DDB) standard; other architectural colors available.

Lens – Drop acrylic prismatic refractor.

Electrical – Not all ballast options are compatible with all wattages/voltages/sources. Consult factory.

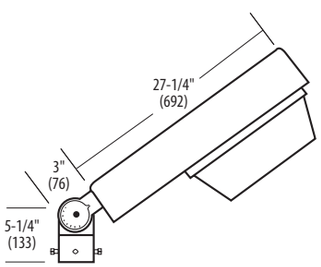
Listings

Standard product is NOT UL Listed for US and Canadian safety standards.

Ordering Information

Example: **TMM 250M R3 DLA TB1 CWA PER LPI**

Series	Wattage	Distribution	Lens	Voltage	Ballast[4]	Options/accessories
TMM	High pressure sodium	**R3**[2]	**DLA** Drop acrylic prismatic refractor	**120**	**RNP** Reactor normal power factor[5]	Installed
	200S			**208**	**RHP** Reactor high power factor[5]	**LPI** Lamp included
	250S			**240**	**MRB** Mag reg ballast	**LPIC** Lamp included, coated
	310S			**277**	**CWI** CWI ballast	**L/LP** Less lamp
	400S			**347**	**CWA** Constant wattage autotransformer	**PER** NEMA twist-lock receptacle only (photocontrol not included)
	250/400S			**480**	**XHP** High reactance (lag) high power factor[5]	**PEU** NEMA twist-lock PE
	400/250S			**TB**[3]	**XNP** High reactance (lag) normal power factor[5]	**HKP** Hinge keeper
	Metal halide			**TB1**[3]		**OPS** Open plug-in starter[5]
	250M			**TB2**[3]		**ENP** Encapsulated plug-in starter[5]
	400M[1]			**TB3**[3]		**NML** NEMA label
	Mercury vapor			**120/240**[8]		**T2P** Terminal block-two position wired L1, L2
	250MV			**240/120**[9]		**T3P** Terminal block-three position wired L1, N, L2
	400MV			**240/480**[9]		**LSA** Single lighting surge arrestor (n/a TB)[6]
				480/240[10]		**SF** Single fuse, 120V, 277V, 347V (n/a TB)[6]
						DF Double fuse, 208V, 240V, 480V (n/a TB)[6]
						DPL Distribution pattern indicator label
						HSS Stainless steel external hardware
						DBL Black finish
						DGYG Gray finish
						DWH White finsih
						Shipped separately[7]
						SC Shorting cap for PER option



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

NOTES:

1 Requires reduced jacket ED-28 lamp.
2 Distribution depends on tilt angle of fixture.
3 Optional multi-tap ballast (120, 208, 240, 277). TB prewired to 277V. Others are 1=120V; 2=208V; 3=240V.
4 Not all ballast options are available with all wattage/voltage/sources. Consult factory.
5 HPS only.
6 Not available with dual tap voltages (120/240, 240/120, 240/480, 480/240).
7 May be ordered as an accessory.
8 Prewired to 120.
9 Prewired to 240.
10 Prewired to 480.

Series	Weight (lbs.)	EPA (sq. ft.)
TMM	42	2.8

TDR



Intended Use

For interstate roadways, commercial and residential roadways and large parking areas.

Features

Housing – Rugged die-cast aluminum housing is powder-coated for durability and corrosion resistance. Door is hinged and easily removable for quick maintenance. Easy single fastener closure for fast re-lamping and optional tool-less access available. Adjustable and locking knuckle mount (tenon slipfitter) comes standard and provides for precise and secure aiming of the luminaire. TDR fixtures accept up to 3" OD tenon. Other mounting arrangements available (see Options). Gray polyester powder finish (DGYG) standard; other architectural colors available.

Lens – Drop or flat clear tempered glass lens available.

Electrical – Not all ballast options are compatible with all wattages/voltages/sources. Consult factory.

Listings

UL Listed (standard). CSA Certified (see Options).

Ordering Information

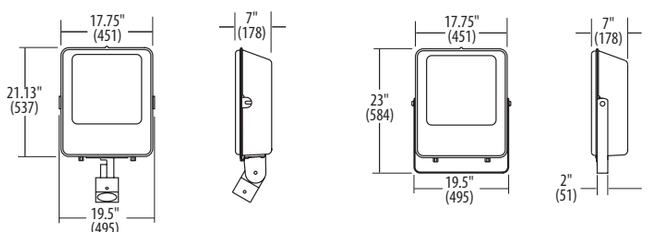
Example: **TDR 250S R3 FL TB1 CWA PER LPI**

Series	Wattage	Distribution	Lens	Voltage	Ballast[3]	Options/accessories
TDR	High pressure sodium	**R3**[1]	**FL** Flat lens, tempered glass (clear)	**120**	**RNP** Reactor normal power factor[4]	Installed
	200S		**SLG** Sag lens, tempered glass (clear)	**208**	**RHP** Reactor high power factor[4]	**LPI** Lamp included
	250S			**240**	**MRB** Mag reg ballast	**LPIC** Lamp included, coated
	310S			**277**	**CWI** CWI ballast	**L/LP** Less lamp
	400S			**347**	**CWA** Constant wattage autotransformer	**PER** NEMA twist-lock receptacle only (photocontrol not included)
	250/400S			**480**	**SCWA** Super constant wattage autotransformer	**PEU** NEMA twist-lock PE
	400/250S			**TB**[2]	**XHP** High reactance (lag) high power factor[5]	**GYK** Yoke galvanized
	Metal halide			**TB1**[2]	**XNP** High reactance (lag) normal powerfactor[5]	**YK** Yoke painted
	175M			**TB2**[2]		**HKP** Hinge keeper
	250M			**TB3**[2]		**OPS** Open plug-in starter[5]
	400M			**120/240**[7]		**ENP** Encapsulated plug-in starter[5]
	250/400M			**240/120**[8]		**CSA** CSA Certified
	400/250M			**240/480**[8]		**NML** NEMA label
	Mercury vapor			**480/240**[9]		**T2P** Terminal block-two position wired L1, L2
	175MV					**T3P** Terminal block-three position wired L1, N, L2
	250MV					**LSA** Single lighting surge arrestor (n/a TB)[5]
	400MV					**SF** Single fuse, 120V, 277V, 347V (n/a TB)[5]
						DF Double fuse, 208V, 240V, 480V (n/a TB)[5]
						PD Power door (ballast tray)
						DPL Distribution pattern indicator label
						HSS Stainless steel external hardware
						DBL Black finish
						DGYG Gray finish
						DWH White finsih
						TLS Tool-less entry
						Shipped separately[6]
						SC Shorting cap for PER option

NOTES:

1 Distribution depends on tilt angle of fixture.
2 Optional multi-tap ballast (120V, 208V, 240V, 277V). TB prewired to 277V. Others are 1=120V; 2=208V; 3=240V.
3 Not all ballast options are available with all wattage/voltage/sources, consult factory.
4 HPS only.
5 Not available with dual tap voltages (120/240V, 240/120V, 240/480V, 480/240V).
6 May be ordered as an accessory.
7 Prewired to 120.
8 Prewired to 240.
9 Prewired to 480.

Series	Weight (lbs.)	EPA (sq. ft.)
TDR	37	2.75



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Dusk-to-Dawn Area Lighters

TDD



Intended Use

For lighting yards and parking lots, service roads and building perimeters.

Features

Housing – Rugged, die-cast, aluminum head with standard NEMA photocell receptacle.

Optics – Formed aluminum reflectors and open bottom refractor for ease of maintenance and lamp replacement. Prismatic refractor provides uniform symmetrical Type V distribution, mogul-based socket.

Installation – 1-1/4" (OD) mounting arm and all mounting hardware is included in carton. Photocell and lamp are included in carton (24" mounting arm).

Listings

UL Listed to US and Canadian safety standards. UL/C-UL Listed for wet locations (25°C ambient temperature).

lightquick® XD
Express delivery products.

See page11 for details about LightQuick XD.

Description
TDD 175MV 120 PER LPI M2

Ordering Information

Example: **TDD 175MV 120 PER LPI**

Designation	Voltage	Photocell	Lamp
High pressure sodium	**120**	**PER** Photocell receptacle and NEMA twist-lock photocell included (std.)	**LPI** Lamp included (std.)
TDD 100S			
TDD 150S			
Mercury vapor			
TDD 175MV			

Accessories	(Order separately)
PE1	Replacement photocell
RK1 TDDLENS	Replacement lens

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA:	0.8ft²(0.07m²)
Height:	17(43.18)
Width:	12(30.48)
Depth:	12(30.48)
Max. weight:	12lbs(5.44kg)

TDL



Intended Use

For lighting yards and parking lots, service roads and building perimeters.

Features

Housing – Rugged, die-cast, aluminum head with standard NEMA photocell receptacle.

Optics – Fluted aluminum reflectors and open bottom refractor for ease of maintenance and lamp replacement. Prismatic acrylic refractor provides uniform symmetrical Type V distribution. Glass for 250MV.

Installation – 1-1/4" (OD) mounting arm and all mounting hardware is included in carton. Photocell and lamp are included in carton. (18"-24" mounting arm depending on wattage).

Listings

150S and below and 175MV and below are UL Listed for wet locations. For CSA or NOM requirements, consult factory.

Ordering Information

Example: **TDL 175MV 120 PKG**

Designation	Voltage	Options
High pressure sodium	**120**	Installed
TDL 70S		**PKG** Fixture, mounting arm, hardware, lamp and photoeye included in one box (standard)
100S		**L/PKG** Fixture, optical and receptacle only in box
150S		
Mercury vapor		
TDL 175MV		
250MV		

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA:	0.8ft²(0.07m²)
Height:	15-1/2(39.4)
Width:	12(30.48)
Depth:	12(30.48)
Max. weight:	18lbs(8.16kg)

TDB



Intended Use

For lighting yards and parking lots, service roads and building perimeters.

Features

Housing – Rugged, die-cast, aluminum head with standard NEMA photocell receptacle.

Optics – Formed aluminum reflectors and open-bottom refractor for easy maintenance and lamp replacement. Optical assembly attaches via two tool-less toggle latches. Prismatic acrylic refractor provides uniform symmetrical Type V distribution. Glass for 250MV.

Installation – 1-1/4" (OD) mounting arm and all mounting hardware is included in carton. Photocell and lamp are included in carton. (24" mounting arm).

Listings

Standard product is NOT Listed by UL, CSA or NOM, consult factory.

Ordering Information

Example: **TDB 175MV 120 PKG**

Designation		Voltage	Options/accessories	
High pressure sodium		**120**	Installed	
TDB	**50S**		**PKG**	Fixture, mounting arm, hardware, lamp and photoeye included in one box (standard)
	70S		**L/PKG**	Fixture, optical and receptacle only in box
	100S			
	150S			
Mercury vapor				
TDB	**100MV**			
	175MV			
	250MV			

Accessories	(Order separately)
RK1 TDBLENS R5A A1250B	Replacement lens

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA:	0.8ft²(0.07m²)
Height:	15-1/2(39.4)
Width:	12(30.48)
Depth:	12(30.48)
Max. weight:	15lbs(6.8kg)

TDC



Intended Use

For lighting yards and parking lots, service roads and building perimeters.

Features

Housing – Rugged, die-cast, aluminum head with standard NEMA photocell receptacle.

Optics – Spun anodized aluminum reflector delivers IES Type V full-cutoff distributions. Open bottom housing provides easy maintenance and lamp replacement.

Installation – 1-1/4" (OD) mounting arm and all mounting hardware is included in carton. Photocell and lamp are included in carton. (24" mounting arm).

Listings

Standard product is NOT Listed by UL, CSA or NOM, consult factory.

Ordering Information

Example: **TDC 175MV 120 PKG**

Designation		Voltage	Options	
High pressure sodium		**120**	Installed	
TDC	**70S**		**PKG**	Fixture, mounting arm, hardware, lamp and photoeye included in one box (standard)
	100S		**L/PKG**	Fixture, optical and receptacle only in box
	150S			
Mercury vapor				
TDC	**175MV**			
	250MV			

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA:	1.2ft²(0.11m²)
Height:	17(43.18)
Width:	12(30.48)
Depth:	12(30.48)
Max. weight:	12lbs(5.44kg)

Security Light

TDX



Intended Use

Rural areas, small businesses, storage lots, security lighting, roadway lighting and general area lighting.

Features

Housing – Durable die-cast aluminum ballast housing. Mounts to 1.25" mast arm only.

Lens – Drop acrylic, drop polycarbonate, flat glass lens available. Also available less lens.

Electrical – Not all ballast options are available with all wattages/voltages/sources, consult factory.

Listings

Standard products in NOT by UL or CSA.

Ordering Information

Example: **TDX 150S R1 120 RNP PER LPI**

Series	Wattage	Distribution	Lens	Voltage	Ballast[2]	Options/accessories
TDX	High pressure sodium **50S** **70S** **100S** **150S** **100/150S** **150/100S** Metal halide **175M** Mercury vapor **175MV**	**R1**	(blank) No lens **DLA** Drop acrylic lens **DLP** Drop polycarbonate lens **FL** Flat glass lens	**120** **208** **220** **230** **240** **277** **480** **TB**[1] **TB1**[1] **TB2**[1] **TB3**[1] **120/240**[5] **240/120**[6]	**RNP** Reactor normal power factor[3] **RHP** Reactor high power factor[3] **CWA** Constant wattage autotransformer **XHP** High reactance (lag) high power factor[3] **XNP** High reactance (lag) normal power factor[3]	Installed **LPI** Lamp included **LPIC** Lamp included, coated **L/LP** Less lamp **PER** NEMA twist-lock receptacle only (photocontrol not included) **PEU** NEMA twist-lock PE **NML** NEMA label **T2P** Terminal block two-position wired L1, L2 **T3P** Terminal block three-position wired L1, N, L2 **PKG** Package includes photocontrol, lamp, 24" welded arm, 1.25" diameter, 5' supply wire **HSS** Stainless steel external hardware Shipped separately[4] **SC** Shorting cap for PER option

NOTES:
1 Optional multi-tap ballast (120V, 208V, 240V, 277V). TB prewired to 277V. Others are 1=120V; 2=208V; 3=240V.
2 Not all ballast options are available with all wattages/sources/voltages, consult factory.
3 HPS only.
4 May be ordered as an accessory.
5 Prewired to 120V.
6 Prewired to 240V.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA:	0.7 ft² (0.07m²)
Height:	7-27/32 (19.9)
Width:	12-3/32 (30.7)
Depth:	23-1/16 (58.6)
Max. weight:	12 lbs (5.4 kg)

TDA



Intended Use

Parking lots, roadways, commercial environments and office communities.

Features

Housing – One piece die-cast aluminum head and arm configuration for long-life stability and performance. Optical assembly utilizes dual latch mounting for quick, easy and secure installation. Gray polyester powder finish (DGYG) standard.

Lens – Refractors available in open-bottom acrylic, polycarbonate and glass.

Electrical – Electrical components mounted to power door for installation and maintenance convenience. Not all ballast options are available with all wattages/voltages/sources, consult factory.

Listings

UL Listed (standard). CSA Certified (see Options).

Ordering Information

Example: **TDA 705 R5 A1250B 120 RNP PER LPI**

Series	Wattage	Distribution	Lens	Voltage	Ballast[4]	Options/accessories
TDA	High pressure sodium **50S** **70S** **100S** **150S** **200S** **250S** **310S** **400S** **250/400S** **400/250S** Metal halide **175M** **250M** **400M** **250/400M** **400/250M** Mercury vapor **100MV** **175MV** **250MV** **400MV**	**R1** **R2** **R3** **R4** **R5** **RX**	**A1250B** Open bottom acrylic refractor **P1250B** Open bottom polycarbonate refractor[1] **G1250B** Open bottom glass refractor[2]	**120** **208** **220** **230** **240** **277** **347** **480** **TB**[3] **TB1**[3] **TB2**[3] **TB3**[3] **120/240**[8] **240/120**[9] **240/480**[9] **480/240**[10]	**RNP** Reactor normal power factor[5] **RHP** Reactor high power factor[5] **MRB** Mag reg ballast **CWI** CWI ballast **CWA** Constant wattage autotransformer **SCWA** Super constant wattage autotransformer **XHP** High reactance (lag) high power factor[5] **XNP** High reactance (lag) normal power factor[5]	Installed **LPI** Lamp included **LPIC** Lamp included, coated **L/LP** Less lamp **PER** NEMA twist-lock receptacle only (photocontrol not included) **PEU** NEMA twist-lock PE **ENP** Encapsulated plug-in starter[5] **CSA** CSA Certified **T2P** Terminal block-two-position wired L1, L2[6] **T3P** Terminal block-three-position wired L1, N, L2[6] **TBK** Terminal block[6] **SF** Single fuse, 120V, 277V, 347V (n/a TB)[6,7] **DF** Double fuse, 208V, 240V, 480V (n/a TB)[6,7] **HSS** Stainless steel external hardware **TLS** Tool-less entry

NOTES:
1 Not available with RX distribution.
2 Not available with R4 distribution.
3 Optional multi-tap ballast (120, 208, 240, 277). TB prewired to 277V. Others are 1=120V; 2=208V; 3=240V.
4 Not all ballast options are available with all wattages/sources/voltages, consult factory.
5 HPS only.
6 Voids UL Listing (n/a CSA).
7 Not available with dual-tap voltages (120/240, 240/120, 240/480, 480/240).
8 Prewired to 120V.
9 Prewired to 240V.
10 Prewired to 480V.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA:	2.9 ft² (0.88m²)
Height:	13-1/2 (34.3)
Width:	12 (30.48)
Depth:	37 (94)
Max. weight:	35 lbs (15.9kg)

ASB

Aeris™



Intended Use

For walkways, plazas or pedestrian areas.

Features

Housing – Bottom housing is 0.188" extruded aluminum. Decorative Aeris™ top cover is sand-cast with 0.188"minimum wall thickness. 42" overall height standard. Flush-fitting lens is 1/4", clear, 100% virgin acrylic. Exposed hardware is tamper-resistant stainless steel. Four 1/2" x 11" anchor bolts with double nuts/washers and 4-1/2" diameter bolt circle template provided for mounting (shipped separately). Dark bronze textured (DDBT) corrosion-resistant polyester powder finish standard; other architectural colors available.

Optics – Reflector system incorporates an anodized, spun aluminum flared cone and an anodized, hydroformed, fluted upper reflector providing a Type V (symmetric) cutoff distribution. Optional cylindrical lower reflector available.

Electrical – Ballasts are copper wound and 100% factory tested. Electrical components are unitized on removable power module and accessible through bottom of bollard. Positive-locking, quick-disconnect on secondary circuit. Medium-base porcelain socket, 4KV pulse rated.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.

Ordering Information

Example: **ASBY 50S R5 120 CR LPI**

Series

ASBX
ASBY
ASBZ

Wattage

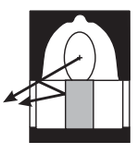
Low pressure sodium
50S
70S
100S
150S
Metal halide
70M[1]
100M[1]
Incandescent
I[2]

Reflector

Standard flared cone
R5 Type V distribution



Optional cylindrical reflector
CYA Specular alzak
CYB Black alzak
CYG Gold alzak
CYF Flat black

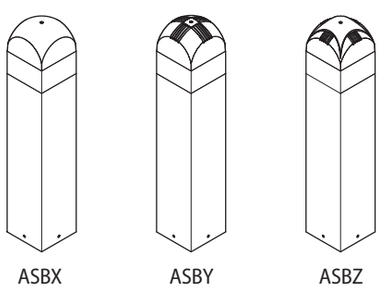


Voltage

120
208
240
277
347
TB[3]

Options

Installed
LPI Lamp included
L/LP Less lamp
SF Single fuse, 120V, 277V, 347V (n/a TB)
DF Double fuse, 208V, 240V, 480V (n/a TB)
CR Enhanced corrosion resistance
H24 24" overall height
H30 30" overall height
H36 36" overall height
FD Festoon outlet
FG Festoon outlet with duplex ground fault receptacle[4]
CSA CSA Certified



NOTES:
1 Requires coated lamp.
2 120V only. 150W max., lamp not provided.
3 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
4 Cover ships separately.

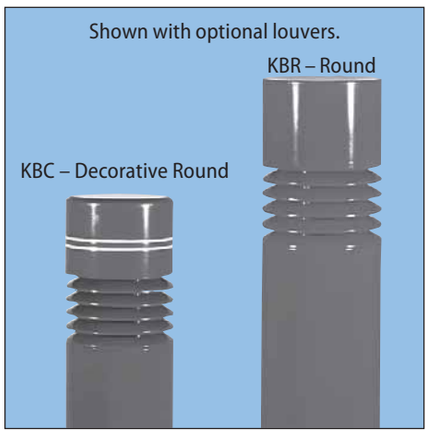
Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	ASBX	*ASBY*	*ASBZ*
Square:	8(20.3)	8(20.3)	8(20.3)
Height:	42(106.7)	42(106.7)	42(106.7)
Max. weight:	43.2lbs (19.6kg)	43.2lbs (19.6kg)	43.2lbs (19.6kg)

www.lithonia.com, keyword: ASB

Round Bollards

KBC
KBR



Intended Use

For walkways, plazas or pedestrian areas.

Features

Housing – KB_6: Bottom housing is 0.125" extruded aluminum. Top cover is 0.156" cast aluminum. KB_8: Bottom housing is 0.156" extruded aluminum 42" overall height standard. Flush-fitting lens is 1/2", clear, 100% virgin acrylic. All exposed hardware is tamper-resistant stainless steel. Four 1/2" x 11" anchor bolts with double nuts/washers and 4-1/2" diameter bolt circle template provided for mounting (shipped separately). Dark bronze (DDB) corrosion-resistant polyester powder finish standard; other architectural colors available.

Optics – Reflector system incorporates an anodized, spun aluminum, flared cone and an anodized, hydroformed, fluted upper reflector providing a Type V (symmetric) cutoff distribution. Optional cylindrical lower reflector or cast-aluminum louvers are available.

Electrical – All ballasts copper wound and 100% factory tested. Electrical components unitized on removable power module and accessible through bottom of bollard. Positive-locking, quick-disconnect on secondary circuit. Medium-base porcelain socket, 4KV pulse rated.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.

Ordering Information

Example: **KBR8 100M R5 120 CR LPI**

Designation

6" Bollards

High pressure sodium
- **KB_6 35S**[1]
- **KB_6 50S**
- **KB_6 70S**

Metal halide
- **KB_6 50M**[2]
- **KB_6 70M**[2]

Incandescent
- **KB_6 I**[1,3]

8" Bollards

High pressure sodium
- **KB_8 50S**
- **KB_8 70S**
- **KB_8 100S**
- **KB_8 150S**

Metal halide
- **KB_8 70M**[2]
- **KB_8 100M**[2]
- **KB_8 175M**[2,4]

Incandescent
- **KB_8 I**[1,5]

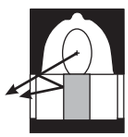
Compact fluorescent[4]
- **KB_8 22DTT**
- **KB_8 28DTT**
- **KB_8 26TRT**
- **KB_8 32TRT**

Reflector

Standard flared cone
- **R5** Type V distribution



Optional cylindrical reflector
- **CYA** Specular alzak
- **CYB** Black alzak
- **CYG** Gold alzak
- **CYF** Flat black



Louver (8" only)
- **LV** Louvers



Voltage

- **120**
- **208**[9]
- **240**[9]
- **277**
- **347**
- **TB**[6]

Options/accessories

Installed
- **LPI** Lamp included (n/a with incandescent)
- **L/LP** Less lamp
- **SF** Single fuse, 120V, 277V, 347V
- **DF** Double fuse, 208V, 240V
- **CR** Enhanced corrosion resistance
- **H24** 24" overall height
- **H30** 30" overall height
- **H36** 36" overall height
- **FD** Festoon outlet
- **FG** Festoon outlet with duplex ground fault receptacle[7]
- **CSA** CSA Certified

For optional architectural colors, see page 543.

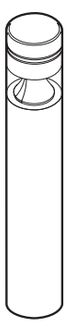
Shipped separately
- **R6S** Half-shield (6" round)
- **R8S** Half-shield (8" round)

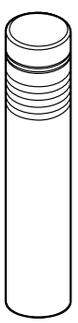
NOTES:
1. 120V only.
2. Use coated lamp.
3. 116W/TS, lamp not included.
4. Louver must be used.
5. 150W max., lamp not included.
6. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
7. Cover ships separately.
8. Not available with LV option, available in 6" units only.
9. Consult factory for availability in Canada.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

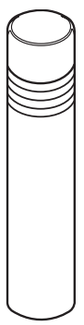
	KBC6 & KBR6	KBC8 & KBR8
Diameter:	6 (15.2)	8 (20.3)
Height:*	42 (106.7)	42 (106.7)
Max. weight:	34.9 lbs (15.9 kg)	34.9 lbs (15.9 kg)

* Also available in 24" (H24), 30" (H30) and 36" (H36).


KBC6

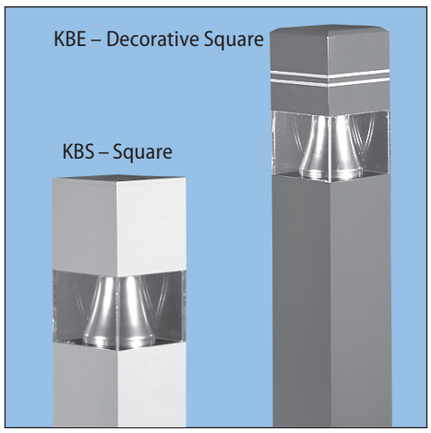

KBC8-LV


KBR6


KBR8-LV

www.lithonia.com, keywords: KBC and KBR

KBS
KBE



Intended Use

For walkways, plazas or pedestrian areas.

Features

Housing – Bottom housing is 0.188" extruded aluminum. Top cover is a weldment of 0.188" aluminum extrusion and 0.250" aluminum plate. 42" overall height standard. Flush-fitting lens is 1/4", clear, 100% virgin acrylic. Exposed hardware is tamper-resistant stainless steel. Four 1/2" x 11" anchor bolts with double nuts/washers and 4 1/2" diameter bolt circle template provided for mounting (shipped separately). Dark bronze (DDB) corrosion-resistant polyester powder finish standard; other architectural colors available. Architectural Class I dark bronze anodized finish also available on KBS8.

Optics – Reflector system incorporates an anodized, spun aluminum flared cone and an anodized, hydroformed, fluted upper reflector providing a Type V (symmetric) cutoff distribution. Optional cylindrical lower reflector available.

Electrical – Ballasts are copper wound and 100% factory tested. Electrical components are unitized on removable power module and accessible through bottom of bollard. Positive-locking, quick-disconnect on secondary circuit. Medium-base porcelain socket, 4KV pulse rated.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.

Ordering Information

Example: **KBS6 35S R5 120 CR LPI**

Designation

6" Bollards

High pressure sodium

KB_6 35S[1]
KB_6 50S
KB_6 70S

Metal halide

KB_6 50M[2]
KB_6 70M[2]

Incandescent

KB_6 I[1,3]

8" Bollards

High pressure sodium

KB_8 50S
KB_8 70S
KB_8 100S
KB_8 150S

Metal halide

KB_8 70M[2]
KB_8 100M[2]

Incandescent

KB_8 I[1,4]

Reflector

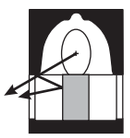
Standard flared cone

R5 Type V distribution



Optional cylindrical reflector

CYA Specular alzak
CYB Black alzak
CYG Gold alzak
CYF Flat black



Voltage

120
208[7]
240[7]
277
347
TB[5]

Options/accessories

Installed

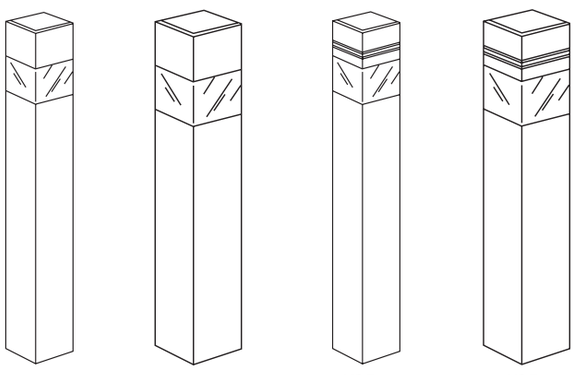
LPI Lamp included (n/a with incandescent)
L/LP Less lamp
SF Single fuse, 120V, 277V, 347V
DF Double fuse, 208V, 240V
CR Enhanced corrosion resistance
H24 24" overall height
H30 30" overall height
H36 36" overall height
FD Festoon outlet
FG Festoon outlet with duplex ground fault receptacle[6]
CSA CSA Certified

Shipped separately

S6S Half-shield (6" square)
S8S Half-shield (8" square)

For optional architectural colors, see page 543.

NOTES:
1 120V only.
2 Requires coated lamp.
3 116W/TS, lamp not included.
4 150W max., lamp not included.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
6 Cover ships separately.
7 Consult factory for availabilty in Canada.



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	KBE6 & KBS6	KBE8 & KBS8
Square:	6(15.2)	8(20.3)
Height:*	42(106.7)	42(106.7)
Max. weight:	43.2 lbs (19.6 kg)	43.2 lbs (19.6 kg)

* Also available in 24" (H24), 30" (H30) and 36" (H36).

www.lithonia.com, keywords: KBS and KBE

KBA
KBD



Intended Use

For walkways, plazas or pedestrian areas.

Features

Housing – KB_6: Bottom housing is 0.125" extruded aluminum. Top cover is 0.156" cast aluminum. KB_8: Bottom housing is 0.156" extruded aluminum. 42" overall height standard on KBD and KBA6. 43" overall height standard on KBA8. Flush-fitting lens is 1/4", clear, 100% virgin acrylic. All exposed hardware is tamper-resistant stainless steel. Four 1/2" x 11" anchor bolts with double nuts/washers and 4 1/2" diameter bolt circle template provide for mounting (shipped separately). Dark bronze (DDB) corrosion-resistant polyester powder finish standard; other architectural colors available.

Optics – Reflector system incorporates an anodized, spun aluminum, flared cone and an anodized, hydroformed, fluted upper reflector providing a Type V (symmetric) cutoff distribution. Optional cylindrical lower reflector or cast aluminum louvers available.

Electrical – All ballasts are copper wound and 100% factory tested. Electrical components are unitized on removable power module and accessible through bottom of bollard. Positive-locking quick disconnect on secondary circuit. Medium-base porcelain socket, 4KV pulse rated.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.

Ordering Information

Example: **KBA6 35S R5 120 CR LPI**

Designation

6" Bollards

High pressure sodium
- **KB_6 35S**[1]
- **KB_6 50S**
- **KB_6 70S**

Metal halide
- **KB_6 50M**[2]
- **KB_6 70M**[2]

Incandescent
- **KB_6 I**[1,3]

8" Bollards

High pressure sodium
- **KB_8 50S**
- **KB_8 70S**
- **KB_8 100S**
- **KB_8 150S**

Metal halide
- **KB_8 70M**[2]
- **KB_8 100M**[2]

Incandescent
- **KB_8 I**[1,4]

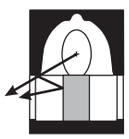
Compact fluorescent[5]
- **KB_8 22DTT**
- **KB_8 28DTT**
- **KB_8 26TRT**
- **KB_8 32TRT**

Reflector

Standard flared cone
- **R5** Type V distribution



Optional cylindrical reflector
- **CYA** Specular alzak
- **CYB** Black alzak
- **CYG** Gold alzak
- **CYF** Flat black



Louver (8" ONLY)
- **LV** Louvers



Voltage

- **120**
- **208**[9]
- **240**[9]
- **277**
- **347**
- **TB**[6]

Options/accessories

Installed
- **LPI** Lamp included (n/a with incandescent)
- **L/LP** Less lamp
- **SF** Single fuse, 120V, 277V, 347V
- **DF** Double fuse, 208V, 240V
- **CR** Enhanced corrosion resistance
- **H24** 24" overall height
- **H30** 30" overall height
- **H36** 36" overall height
- **FD** Festoon outlet
- **FG** Festoon outlet with duplex ground fault receptacle[7]
- **CSA** CSA Certified

For optional architectural colors, see page 543.

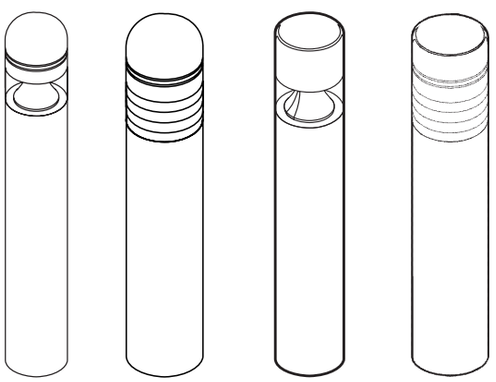
Shipped separately
- **R6S** Half-shield (6" round)
- **R8S** Half-shield (8" round)

NOTES:
1. 120V only.
2. Requires coated lamp.
3. 116W/TS, lamp not included.
4. 150W max., lamp not included.
5. Louver must be used.
6. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
7. Cover ships separately.
8. Not available with LV option, available in 6" units only.
9. Consult factory for availabilty in Canada.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	KBD6 & KBA6	*KBD8 & KBA8*
Diameter:	6 (15.2)	8 (20.3)
Height:*	42 (106.7)	42 (106.7)
Max. weight:	34.9 lbs (15.9 kg)	34.9 lbs (15.9 kg)

* Also available in 24" (H24), 30" (H30) and 36" (H36).



KBA6 KBA8-LV KBD6 KBD8-LV

www.lithonia.com, keywords: KBA and KBD

KL

Intended Use

For use in site walls or as stair lighting.

Features

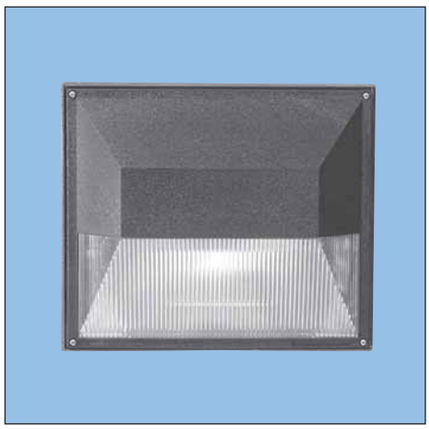
Housing – One-piece, cast-aluminum housing (alloy contains less than 0.2% copper) with integral splice compartment (46 cu. in.); four 3/4" NPT conduit entries. Lens is one-piece, injection-molded, UV-stabilized polycarbonate, .125" minimum thickness. Tooled-in, stippled texture on non-optical portions. Die-cut, closed-cell EPDM gasket. Housing is shipped separately from lens/reflector/power module. Stainless steel, captive, Philips-type fasteners (tamper-resistant fasteners also provided). Standard lens finish is dark bronze enamel (painted on both inside and outside of non-optical portion). Black, white and natural aluminum finishes also available. Housing finish is clear polyester powder for corrosion protection. Recessed concrete cast in place is standard; optional mountings available.

Optics – Reflectors are anodized, hydroformed aluminum. Two distributions available: *A* (for uniform symmetrical area lighting) and *D* (for left or right directional-throw area lighting, featuring a unique bi-adjustable socket assembly that can be field-adjusted up or down to provide maximum light distribution on stairway plane).

Electrical – All ballasts are copper wound and 100% factory-tested. Electrical components are unitized on removable power module. Positive-locking disconnect on primary and secondary circuits. Medium-base porcelain socket, 4KV pulse rated.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.



Ordering Information

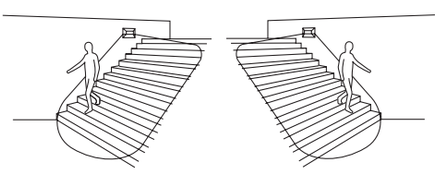
Example: **KL 50S A 120 QRS LPI**

Designation	Distribution	Voltage	Options/accessories
High pressure sodium	**A** Area	**120**	Installed
KL 50S	**D** Directional	**208**[5]	**LPI** Lamp included (n/a with incandescent)
KL 70S		**240**[5]	**L/LP** Less lamp
KL 100S[1]		**277**	**SF** Single fuse, 120V, 277V
Metal halide		**347**	**QRS** Quartz restrike system
KL 70M		**TB**[6]	**PE** Photoelectric cell (only available with BBW, BBF)
KL 100M[1]			**EC** Emergency circuit
Incandescent			**BBS** Backbox (stud wall mount)
KL I[1,2,3,4]			**BBW** Backbox (surface wall mount)
			BBF Backbox (flat horizontal surface mount)
			BBR Recessed (ceiling, soffit mount)
			CSA CSA Certified
			Architectural colors (optional)
			DDB Dark bronze (standard)
			DBL Black
			DNA Natural aluminum
			DWH White

NOTES:
1 For inverted mounting application, 70W max.
2 150W A21 max. in A distribution.
3 100W A21 max. in D distribution.
4 120V only.
5 Consult factory for availability in Canada.
6 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada (120V, 277V, 347V; ships as 120V/347V).



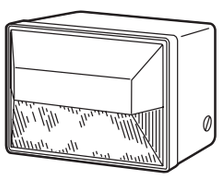
Bi-adjustable socket assembly KL "D" distribution



Left or right directional light distribution may be selected in the field.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Height:	12-1/4(31.1)
Width:	14-1/4(36.2)
Depth:	8-3/16(20.8)
Backbox:	6(15.2)
Lens:	2-3/16(5.6)
Max. weight:	15 lbs (7 kg)



www.lithonia.com, keyword: KL

LITHONIA LIGHTING

ASW

Aeris™



Intended Use

For building and wall-mounted applications.

Features

Housing – Rugged, die-cast, single-piece aluminum housing. Die-cast door frame has impact-resistant, tempered glass lens. Door frame is fully sealed with a closed cell silicone gasket. Standard finish is textured dark bronze (DDBT) polyester powder. Other architectural colors available.

Optics – High-performance, segmented reflectors provide superior uniformity and control. Specialty anodized aluminum spot and grazer optics also are available. Reflectors are interchangeable and have field degree aiming capability up to 10° without tools. Reflectors allow for tool-less access to electrical components. All optics meet IES full cutoff criteria in lens-down orientation.

Electrical – 150W and below utilizes a high reactance, high-power factor ballast. 175W and above utilizes a constant-wattage auto transformer ballast. Compact fluorescent uses an electronic high frequency ballast. Quick disconnect plugs easily disconnect reflector from ballast and fixture from supply wires. Ballasts are precision wound and 100% factory tested.

Socket – Porcelain, medium-base socket for ASW1, mogul-base socket for ASW2, with copper alloy, nickel-plated screw shell and center contact. Fluorescent is four-pin positive latching thermoplastic. UL Listed.

Installation – Universal mounting plate with integral mounting bolts supports the fixture for easy one person installation.

Listings

UL Listed to US and Canadian safety standards. CSA Certified or NOM Certified (see Options). UL Listed suitable for wet locations in up or down orientation. IP65 rated. U.S. Patent No. D500,569. Other patents pending.

Ordering Information

Example: **ASW1 175M SR2 120 SF LPI**

Designation

High pressure sodium
- **ASW1 70S**
- **ASW1 100S**
- **ASW1 150S**
- **ASW2 200S**
- **ASW2 250S**
- **ASW2 400S**

Metal halide
- **ASW1 70M**
- **ASW1 100M**
- **ASW1 150M**[1]
- **ASW1 175M**
- **ASW2 200M**[2]
- **ASW2 250M**[1]
- **ASW2 320M**[2]
- **ASW2 350M**[2]
- **ASW2 400M**[1]

Compact fluorescent
- **ASW1 26TRT**[3]
- **ASW1 32TRT**
- **ASW1 2/32TRT**[3]
- **ASW1 42TRT**
- **ASW1 2/42TRT**[3]
- **ASW1 57TRT**
- **ASW1 70TRT**

Distribution

- **SR2** Segmented type II, roadway
- **SR3** Segmented type III, asymmetric
- **SR4SC** Segmented type IV, forward throw, sharp cutoff
- **SR4W** Segmented type IV wide, forward throw (ASW2 only)
- **GZ** Wall grazing[4,5]
- **SP** Tight spot [5,6,7]

NIGHTTIME FRIENDLY

Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

May depend on optical selection. Consult factory.

Voltage

- **120**
- **208**[8]
- **240**[8]
- **277**
- **347**
- **480**[8]
- **TB**[9]
- **TBV**[10]
- **MVOLT**[11]

Options/accessories

Installed
- **SF** Single fuse, 120V, 277V, 347V (n/a TB or TBV)
- **DF** Double fuse, 208V, 240V, 480V (n/a TB or TBV)
- **GMF** Internal slow-blow fusing (n/a with MVOLT; CF only)
- **EC** Emergency circuit (100W max., lamp not included)[6]
- **ELDW** Emergency battery pack[12]
- **DC12** Emergency circuit 12-volt (35W lamp included std., ASW1 only)[4,6]
- **2DC12** Emergency circuit 12-volt (2/35W lamps included std., ASW1 only)[4,6]
- **DC2012** Emergency circuit 12-volt (20W lamp included std., ASW1 only)[4,6]
- **2DC2012** Emergency circuit 12-volt (2/20W lamps included std., ASW1 only)[4,6]
- **QRS** Quartz restrike system (100W max., lamp not included)[6]
- **QRSTD** Quartz restrike time delay (100W max., lamp not included)[6]
- **CR** Enhanced corrosion resistance
- **CRT** Non-stick protective coating (black only)
- **PE** Photoelectric cell, button type (n/a TB, TBV or MVOLT)[13]
- **HS** House-side shield[14]
- **SCWA** Super CWA pulse start ballast[7]
- **CSA** Listed and labeled to comply with Canadian safety standards
- **NOM** NOM Certified
- **LPI** Lamp included
- **L/LP** Less lamp

Shipped separately
- **ASW1BBW** Size 1 surface-mounted back box
- **ASW1WG** Size 1 wire guard
- **ASW1VG** Size 1 vandal guard
- **ASW2BBW** Size 2 surface-mounted back box
- **ASW2WG** Size 2 wire guard
- **ASW2VG** Size 2 vandal guard

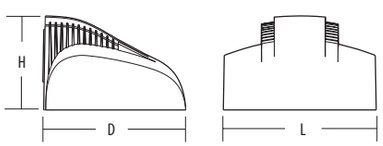
Architectural colors[15]

Standard textured colors
- **DDBT** Dark bronze (std.)
- **DSST** Sandstone
- **DNAT** Natural aluminum
- **DWHG** White
- **DBLB** Black

Optional textured colors
- **DBNH** Bronze
- **DSPD** Dark gray
- **DSPJ** Light gray
- **DSPE** Green
- **DSPG** Dark red
- **DSPF** Rust
- **DSPH** Red

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	ASW1	*ASW2*
Length:	15 (38.10)	20-1/4 (51.44)
Depth:	13-3/4 (34.93)	18-3/4 (47.63)
Height:	9-1/4 (25.5)	12-1/2 (31.75)
Max. weight:	35 lbs (15.9 kg)	49 lbs (22.236 kg)



NOTES:
1. May be ordered with SCWA.
2. Must be ordered with SCWA.
3. Available with SR3 only.
4. DC options and GZ cannot be ordered together (ASW1 only).
5. Not available with compact fluorescent.
6. EC, QRS, QRSTD, DC options or SP cannot be ordered together.
7. Not available with HPS.
8. Consult factory for availability in Canada.
9. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ship as 120/347V.
10. Optional five-tap ballast (120V, 208V, 240V, 277V, 480V; n/a in Canada).
11. Optional multi-volt electronic ballast (for compact fluorescent lamps only) capable of operating on any line voltage from 120V-277V.
12. Available for compact fluorescent units only; not available with 2/32TRT, 2/42TRT, 57TRT or 70DTT.
13. Must be ordered with fixture; cannot be field installed.
14. Only available with SR2 & SR3; SR4W (size 2 only).
15. Additional architectural colors available; see www.lithonia.com.

Lamp/Fixture Data

Wattage	Ballast	Lamp type	Base type
High pressure sodium (med/mog/clear)			
70	HX-HPF	E17	medium
100	HX-HPF	E17	medium
150	HX-HPF	E17	medium
250	CWA	ET18	mogul
400	CWA	ET18	mogul
Metal halide (med/mog/clear)			
70	HX-HPF	E17	medium
100	HX-HPF	E17	medium
150	HX-HPF	E17	medium
175	CWA	E17	medium
250	CWA	BT28	mogul
400	CWA	ED28	mogul
Compact fluorescent (double twin-tube/triple-tube)			
26DTT	electronic, HPF	T4	G24Q-3
32TRT	electronic, HPF	T4	GX24Q-3
42TRT	electronic, HPF	T4	GX24Q-4
57TRT	electronic, HPF	T4	GX24Q-5
70DTT	electronic, HPF	T4	GX24Q-6

www.lithonia.com, keyword: ASW

WFL

Intended Use

For building and wall-mounted applications.

Features

Housing – Extruded aluminum body with cast end caps is mounted with 1/4" bolts, to formed steel wall bracket. Housing body can be rotated and locked in any position along horizontal axis. Cast aluminum lens frame is hinged and secured by stainless steel fasteners. Closed cell silicone gasket prevents the penetration of dust and moisture. Clear, impact-resistant, tempered glass lens with silkscreen. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Other architectural colors available.

Optics – Anodized aluminum reflectors: segmented, specular or hammertone finish. Reflectors are field interchangeable.

Electrical – 150W and below utilizes a high reactance, high-power ballast. 175W and above utilizes a constant-wattage autotransformer ballast. Ballasts are copper wound and 100% factory tested.

Socket – Horizontal porcelain socket (WFL2 medium-base, WFL3 mogul-base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 660W, 600V 4KV pulse rated.

Installation – Steel mounting plate attaches directly to industry standard junction box. Mounting plate includes provision for attachment independent of junction box (required for WFL3). Optional backbox wall mounting available for surface conduit applications.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations. IP65 rated.



Ordering Information

Example: **WFL2 175M GZ 120 LPI**

Designation

High pressure sodium
- **WFL2 70S**
- **WFL2 100S**
- **WFL2 150S**
- **WFL3 250S**
- **WFL3 400S**

Metal halide
- **WFL2 70M**
- **WFL2 100M**
- **WFL2 150M**[1]
- **WFL2 175M**
- **WFL3 200M**[2]
- **WFL3 250M**[1]
- **WFL3 320M**[2]
- **WFL3 350M**[2]
- **WFL3 400M**[1,3]

Distribution

- **SP** Spot
- **BP** Horizontal flood[4]
- **RN** Horizontal spot, narrow
- **RM** Horizontal spot, medium
- **RW** Horizontal spot, wide
- **HPN** Vertical flood, narrow
- **HPM** Vertical flood, medium
- **HPW** Vertical flood, wide
- **FT** Forward throw
- **GZ** Wall grazing

Voltage

- **120**
- **208**[5]
- **240**[5]
- **277**
- **347**
- **480**[5]
- **TB**[6]

Options/accessories

Installed
- **SF** Single fuse, 120V, 277V, 347V (n/a TB)
- **DF** Double fuse, 208V, 240V, 480V (n/a TB)
- **QRS** Quartz restrike system (WFL3 only, 100W max., lamp not included)
- **CR** Enhanced corrosion resistance
- **CSA** CSA Certified
- **PE** Photoelectric cell, button type (n/a TB or 480V)
- **EC** Emergency circuit (WFL3 only, 100W max., lamp not included)
- **SCWA** Super CWA pulse start ballast (n/a HPS, 70M, 100M or 175M)
- **LC90** Lock at 90° for full cutoff
- **LPI** Lamp included
- **L/LP** Less lamp

Architectural colors[7]

Standard colors
- **DDB** Dark bronze (std.)
- **DWH** White
- **DBL** Black

Classic colors
- **DMB** Medium bronze
- **DNA** Natural aluminum
- **DSS** Sandstone
- **DGC** Charcoal gray
- **DTG** Tennis green
- **DBR** Bright red
- **DSB** Steel blue

Shipped separately[8]
- **UV** Upper visor
- **EV** Eggcrate visor (black)
- **BV** Bottom visor
- **FV** Full visor
- **WG** Wire guard
- **BD** Barn door
- **HLV** Horizontal louver (black)
- **VLV** Vertical louver (black)
- **BVG** Bubble vandal guard
- **UV/BVG** Upper visor and bubble vandal guard
- **WFLBBW** Surface-mounted back box

NOTES:
1. May be ordered with SCWA.
2. Must be ordered with SCWA.
3. Requires ED-28 reduced jacket lamp.
4. WFL2 only.
5. Consult factory for availability in Canada.
6. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
7. Additional architectural colors available; see Architectural Colors brochure on www.lithonia.com.
8. May be ordered as an accessory. Door frame must be factory drilled.

NIGHTTIME FRIENDLY

Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

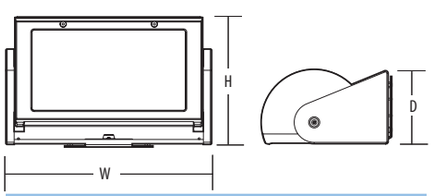
May depend on optical selection. Consult factory.

Lamp/Fixture Data

Wattage	NEMA Dist.	Ballast	Lamp type	Base type	Beam Spread	H°xV°
High pressure sodium						
150	SP	HX-HPF	E17	medium	142x127	7x6
150	HPW	HX-HPF	E17	medium	39x12	3x1
400	SP	CWA	ET18	mogul	60x13	4x1
400	HPW	CWA	ET18	mogul	144x140	7x7
Metal halide						
175	SP	CWA	ED17	medium	27x15	2x1
175	HPW	CWA	ED17	medium	147x127	7x6
400	SP	CWA	BT28	mogul	42x17	3x1
400	HPW	CWA	BT28	mogul	146x140	7x7

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	WFL2	*WFL3*
EPA:	1.3 ft² (.12 m²)	2.0 ft² (.19 m²)
Width:	18-1/2 (47)	21-1/2 (54.6)
Height:	6-3/4 (29.8)	8-3/4 (22.3)
Depth:	11-3/4 (29.8)	14-3/4 (37.5)
Max. weight:	29 lbs (13.1 kg)	44 lbs (19.9 kg)



www.lithonia.com, keyword: WFL

LITHONIA LIGHTING®

WST/WSR/ WSQ



Intended Use

For building- and wall-mounted applications.

Features

Housing – Rugged, die-cast, single-piece housing. Die-cast door frame has 1/8" thick tempered glass lens. Door frame is fully gasketed with one-piece solid silicone. Standard finish is textured dark bronze (DDBT) corrosion-resistant polyester powder with other architectural colors available.

Optics – Interchangeable, segmented reflectors for superior uniformity and control. Three full cutoff distributions available: FT (forward throw), MD (medium throw) and WT (wide throw). Four uplight distributions available in WSR only: FTU (forward throw, 10% up), MDU (medium throw, 10% up), WTU (wide throw, 10% up) and MDU5 (up/down, medium throw, 50% up, 50% down). Compact fluorescent MD (medium throw) only.

Electrical – HID: 50W MH-150W utilizes a high reactance, high-power factor ballast. 35S and 50S utilizes a reactor normal-power factor ballast. 175W utilizes a constant-wattage auto transformer ballast. Quick-disconnect plug easily disconnects reflector from ballast. Ballasts are copper wound and 100% factory tested. CFL: compact fluorescent ballast is Class P, electronic, high-power factor, <10% THD with starting temp. of 0° F (-18° C).

Socket - HID is porcelain, medium-base copper alloy, nickel-plated screw shell and center contact. (UL Listed 660W, 600V 4KV pulse rated). Fluorescent socket is high-temperature thermoplastic with integral lamp retention clip.

Installation – Universal mounting mechanism with integral mounting support allows fixture to hinge down. Bubble level provides correct alignment with each installation.

Listings

UL Listed suitable for wet locations (damp location listed in lens-up orientation). CSA Certified (see Options). IP65 rated.

Ordering Information

Example: **WST 175M FT 120 SF LPI**

Series

WST	Trapezoid
WSR	Half round
WSQ	Quarter sphere

Wattage

High pressure sodium
35S[1]
50S
70S
100S
150S
Metal halide
50M
70M
100M
150M
175M
Compact fluorescent[2]
26DTT
2/26DTT
32TRT
2/32TRT
42TRT
2/42TRT

Distribution

Downlight distribution

FT	Forward throw
MD	Medium throw (coated lamp standard)
WT	Wide throw

Uplight distribution[3]

FTU	Forward throw with 10% uplight
MDU	Medium throw with 10% uplight (coated lamp standard)
WTU	Wide throw with 10% uplight
MDU5	Up/down medium throw with 50% uplight & 50% downlight (coated lamp standard)

Voltage

120
208[4]
240[4]
277
347
TB[5]
TBV[6]
MVOLT[7]

Options/accessories

Installed

SF	Single fuse, 120V, 277V, 347V (n/a TB or TBV)
DF	Double fuse, 208V, 240V (n/a TB or TBV)
GMF	Internal slow-blow fusing[8,9]
EC	Emergency circuit (25W max., lamp included)
DC12	Emergency circuit 12 volt (35W lamp included standard)[10]
2DC12	Emergency circuit 12 volt ((2) 35W lamps included standard)[10]
DC2012	Emergency circuit 12 volt (20W lamp included standard)[10]
2DC2012	Emergency circuit 12 volt ((2) 20W lamps included standard)[10]
ELDW	Emergency battery pack (120V or 277V only)[8,11]
ELDWR	Remote battery pack ready (by others) for compact fluorescent lamps[12]
ELDWC	Cold weather emergency battery pack (120V and 277V only)[8,20]
QRS	Quartz restrike system (100W max., lamp not included)[13]
CR	Enhanced corrosion resistance
CRT	Non-stick protective coating[14]
PE	Photoelectric cell-button type (n/a TB or TBV)[16]
WLU	Wet location door for up orientation
IBS	Internal backlight shield[16]
DFL	Diffusing lens
LPI	Lamp included
L/LP	Less lamp
UCS	Uplight component shield[17]
CSA	CSA Certified

Architectural colors[18]

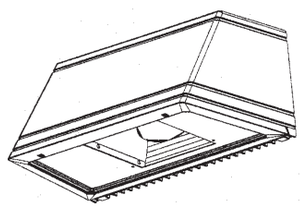
Standard textured colors

DDBT	Dark bronze (std.)
DSST	Sandstone
DNAT	Natural aluminum
DWHG	White
DBLB	Black

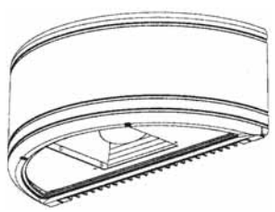
Shipped separately

WSBBW	Surface-mounted back box[19]
UT5	Uptilt 5 degrees[19]
WSTWG	Wire guard (WST)[15]
WSTVG	Vandal guard (WST)[15]
WSRWG	Wire guard (WSR and WSQ)[15]
WSRVG	Vandal guard (WSR and WSQ)[15]

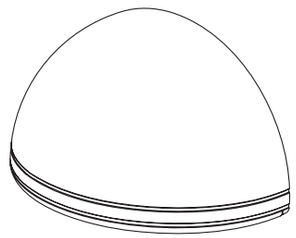
WST



WSR



WSQ



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	WST	*WSR*	*WSQ*
Width:	16-1/4(41.2)	18(45.7)	18(45.7)
Depth:	9-1/8(23.2)	9(22.8)	9(22.8)
Height:	7-1/4(18.4)	7-1/4(18.4)	9-3/8(23.8)
Max. weight:	30lbs(13.6kg)	30lbs(13.6kg)	30lbs(13.6kg)

NOTES:

1 120V only, NPF only
2 Only available with MD, MDU and MDU5 distributions.
3 Available on WSR fixture only.
4 Not available in Canada.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
6 Optional 5-tap ballast (120V, 208V, 240V, 277V, 480V; n/a in Canada). 175M only.
7 Optional multi-volt electronic ballast (for compact fluorescent lamps only) capable of operating on any line voltage from 120V-277V.
8 Available for compact fluorescent units only.
9 Must specify voltag, n/a MVOLT or TB.
10 Not available with SF, DF or QRS.
11 Not available with 2/32TRT or 2/42TRT.
12 Battery pack by others and mounted external to luminaire. Pilot light/test switch mounting plate included. Consult factory for availability.
13 Not available with compact fluorescent.
14 Black finish only.
15 Must be ordered with fixture; no field modifications.
16 IBS not available with MD, MDU and MDU5 distributions.
17 For WSR, inverted orientation, with FTU and WTU distributions only.
18 Additional architectural colors available; see www.lithonia.com.
19 Must specify finish.
20 -20°C to 55°C operation. N/A 2/26DTT, 2/32TRT, 2/42TRT or WSQ.

Lamp/Fixture Data			
Wattage	Ballast	Lamp type	Base type
High pressure sodium (med/clear)			
35	RHPF	E17	medium
50	RHPF	E17	medium
70	HX-HPF	E17	medium
100	HX-HPF	E17	medium
150	HX-HPF	E17	medium
Metal halide (med/clear)			
50	HX-HPF	E17	medium
70	HX-HPF	E17	medium
100	HX-HPF	E17	medium
150	HX-HPF	E17	medium
175	CWA	E17	medium
Compact fluorescent (double twin-tube/triple-tube)			
26DTT	electronic, HPF	T4	G24Q-3
32TRT	electronic, HPF	T4	GX24Q-3
42TRT	electronic, HPF	T4	GX24Q-4

NIGHTTIME FRIENDLY

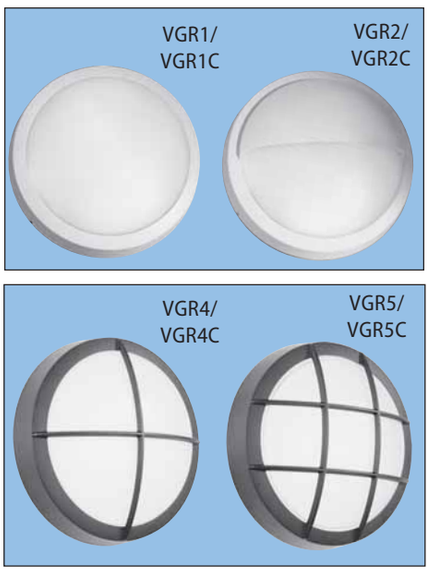
Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

Does not meet with uplight distribution options.

www.lithonia.com, keywords: WST, WSR and WSQ

VGR

Gateway®



Intended Use

Architectural luminaires for general illumination in rough service (vandal-resistant) applications. Ideal for interior or exterior applications where safety and security are a concern.

Features

Bezel – One-piece, marine-grade, die-cast aluminum, low copper alloy (<1% copper), .125" thick. Standard finish is textured polyester powder coat. Secured to backplate or housing with stainless steel Torx® T10 set screws (two included).

Housing – One-piece, die-cast aluminum, low copper alloy (<1% copper) post painted in textured polyester powder coat. For use directly over outlet box or conduit entry (1/2" and 3/4" threaded opening).

Backplate – 16-gauge steel, post-painted in black polyester powder coat. Universal keyhole and four-point mounting detail.

Lens – Translucent white, injection-molded, UV-stabilized polycarbonate (.125" thick). Smooth exterior for easy cleaning. Interior pattern diffuses light for uniform surface illumination. Optional borosilicate glass lens available (.250" thick).

Gasket – Polycarbonate: Perimeter lens gasket is one-piece silicone "O" ring. Glass: Perimeter lens gasket is closed-cell silicone. Pad mounting gasket (closed-cell neoprene) seals backplate or housing to mounting surface.

Reflectors – HID reflectors are semi-specular aluminum. Fluorescent reflectors are high-gloss white powder coat finish for maximum light output. Lamps positioned for uniform brightness and illumination.

Ballast – HID: High reactance HPF, starting of -20°F (MH) or -40°F (HPS) CFL: Class P, electronic, HPF multi-volt, <10% THD with starting temperature of 0°F. 13TT is electromagnetic, NPF, 120V only.

Socket – HID: medium-base 4KV-rated porcelain. CFL: high-temperature thermoplastic with lamp retention clip.

Lamps – 35K 4-pin lamp standard for compact fluorescent. MH: reduced UV lamp is standard. Included unless L/LP is specified.

Listings

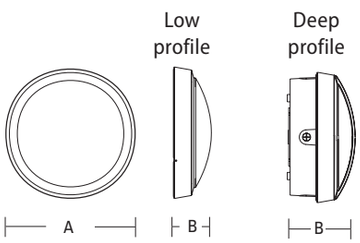
UL Listed to US and Canadian safety standards (See Options). NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.

Information also available in Rough Service section pages 400-403.

Ordering Information

Example: **VGR1 42TRT GL 120 DWHG GLR LPI**

Series	Wattage		Lens	Voltage	Paint finishes[9]	Options	Lamps[19]
Low profile (ADA)	Compact fluorescent	High pressure sodium[3]	(blank) Polycarbonate	**120**	Standard textured colors	**ADCF** Advance electronic fluorescent ballast	**LPI** Lamp(s) included (std.)
VGR1 3.7" deep	**13TT**[2]	**50S**	**GL** Borosilicate glass	**208**	**DWHG** White	**MOTCF** Osram Sylvania electronic fluorescent ballast	**L/LP** Less lamp(s)
VGR2 4" deep	**2/13TT**[2]	**70S**		**240**	**DBLB** Black	**TUBCF** Universal Lighting Technologies electronic fluorescent ballast	
VGR4 4.1" deep[1]	**13DTT**	Metal halide[3,4]		**277**	**DDBT** Dark bronze	**ADEZ** Advance Marx X electronic dimming ballast[3,8,10,11]	
VGR5 4" deep	**2/13DTT**	**50M**		**347**	**DNAT** Natural aluminum	**DMHL** Lutron Hi-Lume electronic dimming ballast[3,8,10,11]	
Deep profile[1]	**18DTT**	**70M**		**TB**[5,6]	**DSST** Sandstone	**ELDW** Emergency lighting (750 max. lumens)[3,8,10,12]	
VGR1C 6.7" deep	**2/18DTT**	**100M**		**MVOLT**[7,8]	Optional textured colors	**2/1** Two 1-lamp ballasts	
VGR2C 6.9" deep	**26DTT**				**DBNH** Bronze	**DS** Dual switching	
VGR4C 7" deep	**2/26DTT**				**DSPD** Dark gray	**SF** Single fuse, 120V, 277V[6,10]	
VGR5C 6.9" deep	**26TRT**				**DSPE** Green	**DF** Double fuse, 208V, 240V[6,10]	
	2/26TRT				**DSPG** Dark red	**EC** Emergency circuit (incandescent, 25W max.)[3,13,14,15]	
	32TRT				**DSPF** Rust	**GLR** Internal fast-blow fusing[8,10]	
	2/32TRT[3]				**DSPH** Red	**GMF** Internal slow-blow fusing[8,10]	
	42TRT				**DSPJ** Light gray	**NL** Night-light (incandescent, 7W max.)[2,3,13,14]	
	2/42TRT[3]					**NLCF** Night-light (compact fluorescent 9W max.)[8,13,14,15]	
						PE Photoelectric cell[3,10,16]	
						QRS Quartz restrike system[6,13]	
						TRS Tamper-resistant screws[17]	
						VGRDS Decorative shroud[3,18]	
						CSA Listed and labeled to comply with Canadian safety standards	
						NOM NOM Certified[16]	



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	VGR1	VGR2/ VGR5	VGR4	VGR1C	VGR2C/ VGR5C	VGR4C
A. Diameter:	13.7 (38.8)	13.7 (38.8)	13.7 (38.8)	13.7 (38.8)	13.7 (38.8)	13.7 (38.8)
B. Depth:	3.7 (9.4)	4 (10.2)	4.1 (10.4)	6.7 (17)	6.9 (17.5)	7 (17.8)

NOTES:

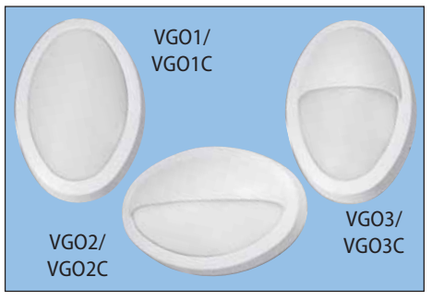
1 Not ADA compliant.
2 120V only.
3 Available with deep profile units only.
4 Low UV lamp is included and recommended for replacement.
5 Multi-tap ballast-US: 120V, 208V, 240V, 277V; Canada: 120V/347V.
6 Available for HID units only.
7 Multi-volt electronic ballast (for DTT and TRT lamps), capable of operating on any line voltage between 120V and 277V.
8 Available for compact fluorescent units only.
9 Additional architectural colors available; see www.lithonia.com.
10 Must specify voltage, n/a MVOLT or TB.
11 Available with 26DTT, 26TRT and 32TRT.
12 42TRT max. wattage.
13 Maximum wattage lamp included.
14 Available for single-lamp units only.
15 Available with low profile units only.
16 Not available with DS option.
17 Stainless steel Torx® T20 screws with center pin.
18 Color will be the same as the bezel.
19 Lamp included unless L/LP is specified.
20 Must specify color (Example: VGRDS DWHG).

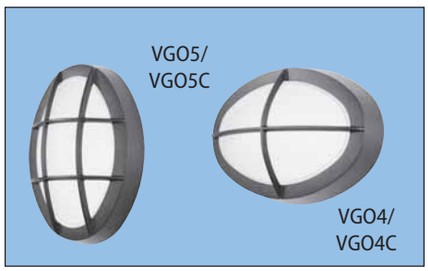
Accessories (Order separately)

RK1 T10DRV	Torx® T10 screwdriver for Gateway® set screws.
RK1 T20BIT	Torx® T20 hex-base driver bit for TRS option.
RK1 T20DRV	Torx® T20 screwdriver for TRS option.
VGRDS	Decorative shroud[20]

VGO

Gateway®





Intended Use

Architectural luminaires for general illumination in rough service (vandal-resistant) applications. Ideal for interior or exterior applications where safety and security are a concern.

Features

Bezel – One-piece, marine grade die-cast aluminum, low copper alloy (<1% copper), .125" thick. Standard finish is textured polyester powder coat. Secured to housing or backplate with stainless steel Torx® T10 set screws (two included).

Housing – One-piece, marine grade die-cast aluminum, low copper alloy (<1% copper), post-painted in polyester powder coat. For use directly over outlet box or conduit entry (1/2" and 3/4" threaded opening).

Backplate – 16-guage steel, post-painted in black polyester powder coat. Four-point mounting detail.

Lens – Translucent white, injection-molded, UV-stabilized polycarbonate (.125" thick). Smooth exterior for easy cleaning. Interior pattern diffuses light for uniform surface illumination. Optional borosilicate glass lens available (.250" thick)

Gasket – Polycarbonate: Perimeter lens gasket is one-piece silicone "O" ring. Glass: Perimeter lens gasket is closed-cell silicone. Pad mounting gasket (closed-cell neoprene) seals backplate or housing to mounting surface.

Reflectors – High-gloss white powder coat finish for maximum light output. (Lamps positioned for uniform brightness and illumination).

Ballast – HID: High reactance, HPF, starting temperature. -20°F (MH) or -40°F (HPS). CFL: Class P, Electronic, HPF multi-volt <10% THD. Starting temperature 0°F.

Socket – HID: medium-base 4KV-rated porcelain. CFL: high-temperature thermoplastic with lamp retention clip.

Listings

UL Listed to US and Canadian safety standards (see Options). NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.

Information also available in Rough Service section pages 400-403.

Ordering Information

Example: **VGO5C 50S 120 DSPD PE LPI**

Series	Wattage	Lens	Voltage	Paint finishes[10]	Options	Lamps[16]
Low profile (ADA)	Compact fluorescent[2]	(blank) Polycarbonate	**120**	Standard textured colors	**ADCF** Advance electronic fluorescent ballast	**LPI** Lamp included (std.)
VG01 3.7" deep	**13TT**	**GL** Borosilicate glass[5]	**208**	**DWHG** White	**MOTCF** Osram Sylvania electronic fluorescent ballast	**L/LP** Less lamp
VG02 4" deep	**13DTT**		**240**	**DBLB** Black	**TUBCF** Universal Lighting Technologies electronic fluorescent ballast	
VG03 4" deep	**18DTT**		**277**	**DDBT** Dark bronze	**ADEZ** Advance Mark X electronic dimming ballast[3,9,11,12]	
VG04 4" deep[1]	**26DTT**		**347**	**DNAT** Natural aluminum	**DMHL** Lutron Hi-lume electronic dimming ballast[3,9,11,12]	
VG05 4" deep	**26TRT**		**TB**[6,7]	**DSST** Sandstone	**SF** Single fuse, 120V, 277V[7,11]	
Deep profile	**32TRT**		**MVOLT**[8,9]	Optional textured colors	**DF** Double fuse, 208V, 240V[7,11]	
VG01C 6.7" deep	**42TRT**[3]			**DBNH** Bronze	**EC** Emergency circuit (incandescent, 25W max.)[3,13]	
VG02C 6.9" deep	High pressure sodium[3]			**DSPD** Dark gray	**GLR** Internal fast-blow fusing[9,11]	
VG03C 6.9" deep	**50S**			**DSPE** Green	**GMF** Internal slow-blow fusing[9,11]	
VG04C 7" deep	Metal halide[3,4]			**DSPG** Dark red	**NL** Night-light (incandescent, 7W max.)[2,3,13]	
VG05C 6.9" deep	**50M**			**DSPF** Rust	**PE** Photoelectric cell[3,11]	
				DSPH Red	**QRS** Quartz restrike system[7,13]	
				DSPJ Light gray	**TRS** Tamper-resistant screws[14]	
					CSA Listed and labeled to comply with Canadian safety standards	
					NOM NOM Certified[15]	

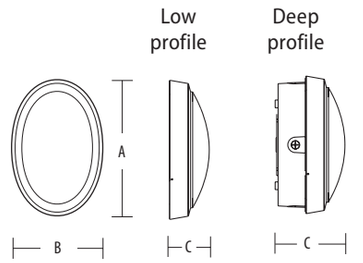
NOTES:
1 Not ADA compliant.
2 120V only.
3 Available with deep profile units only.
4 Low-UV lamp included (recommended for replacement).
5 Not available with TRT lamps in low-profile units.
6 Multi-tap ballast-US: 120V, 208V, 240V, 277V; CA:120V/347V.
7 Available for HID units only.
8 Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V and 277V.
9 Available for compact fluorescent units only.
10 Additional architectural colors available; see www.lithonia.com.
11 Must specify voltage, n/a MVOLT or TB.
12 Available with 26DTT and TRT lamps; excludes 42TRT.
13 Maximum wattage lamp included.
14 Stainless steel Torx® T20 screws with center reject pin.
15 Available with low profile units only.
16 Lamp included unless L/LP is specified.

Accessories (Order separately)

RK1 T10DRV	Torx® T10 screwdriver for Gateway® set screws.
RK1 T20BIT	Torx® T20 hex-base driver bit for TRS option.
RK1 T20DRV	Torx® T20 screwdriver for TRS option.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	VG01	VG02	VG03/ VG05	VG04	VG01C	VG02C	VG03C/ VG05C	VG04C
A. Height:	13.7 (34.8)	9.4 (23.8)	13.7 (34.8)	13.7 (34.8)	13.7 (34.8)	9.4 (23.8)	13.7 (34.8)	13.7 (34.8)
B. Width:	9.4 (23.8)	13.7 (34.8)	9.4 (23.8)	9.4 (23.8)	9.4 (23.8)	13.7 (34.8)	9.4 (23.8)	9.4 (23.8)
C. Depth:	3.7 (9.4)	4.0 (10.2)	4.0 (10.2)	4.1 (10.4)	6.7 (17.0)	6.9 (17.5)	6.9 (17.5)	7.0 (17.8)



www.lithonia.com keyword: VGO

Die-Cast Wall Packs, Glass Refractor

TWH



Intended Use

For outdoor storage areas, warehouse and factory perimeters and loading docks. **Contact with a direct forceful spray of water during operation can result in glass breakage. Not recommended for car wash applications.**

Features

Housing – Rugged, die-cast aluminum housing. Corrosion-resistant captive external hardware includes slotted hex-head fasteners. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Other architectural colors available.

Optics – Reflector is specular anodized aluminum. Refractor is prismatic borosilicate glass. Lens is sealed and gasketed to inhibit entrance of outside contaminants.

Electrical – 70-150W HPS and 100-150M: High-reactance, high-power factor. All others: Constant-wattage autotransformer. Ballasts are copper wound and 100% factory tested. UL Listed. Electrical components mounted in hinged front cover that includes primary and secondary electrical disconnect.

Socket – Glazed porcelain (mogul-based; 175M and above; medium based: 150M, 150S and below), horizontally oriented with copper alloy, nickel-plated screw shell and center contact. UL Listed 660W, 600V for medium base; 1500W, 600V for mogul base. 4KV pulse rated.

Installation – Back housing is separated from front housing, eliminating ballast weight and promoting easy handling. Top 3/4" threaded wiring access. Back access through removable 3/4" knockout. Mount on any flat, non-combustible vertical surface.

Listings

UL Listed (standard). CSA or NOM Certified (see Options). UL Listed for wet locations. IP65 rated (250W and below) or IP54 rated (400W).

Ordering Information

Example: **TWH 250S TB LPI**

Designation	Voltage	Options
High pressure sodium	**120**	Installed
TWH 70S	**208**[6]	**SF** Single fuse, 120V, 277V, 347V (n/aTB or TBV)
TWH 100S	**240**[6]	**DF** Double fuse, 208V, 240V, 480V (n/a TB or TBV)
TWH 150S	**277**	**EC** Emergency circuit[10,11]
TWH 200S	**347**	**QRS** Quartz restrike system[10,11]
TWH 250S	**480**[7]	**CR** Enhanced corrosion resistance
TWH 400S	**TB**[8]	**CRT** Non-stick protective coating[12]
Metal halide	**TBV**[9]	**PE** Photoelectric cell – button type (n/a TB, TBV or 480)
TWH 100M		**PER** NEMA twist-lock receptacle[13]
TWH 150M[1]		**FS** Full shield
TWH 175M		**TWHWG** Wireguard[14]
TWH 200M[2]		**TWHVG** Vandal guard[14]
TWH 250M[1]		**SCWA** Super SCWA pulse start ballast (150M-400M only; n/a 175M)
TWH 320M[2]		**RHP** Reactor high-power factor ballast (HPS 150W & below only)
TWH 350M[2]		**RNP** Reactor normal-power factor ballast (HPS 150W & below only, 120V only)
TWH 400M[1,3]		**XHP** Reactance high-power factor ballast (HPS 150W & below only)
Mercury vapor		**CSA** CSA Certified[15]
TWH 100H		**NOM** NOM Certified (consult factory)
TWH 175H		**LPI** Lamp included[16]
TWH 250H		**L/LP** Less lamp
Low pressure sodium		**TP** Tamperproof fasteners
THW 35L[4]		
Incandescent		
THW 300I[5,10]		

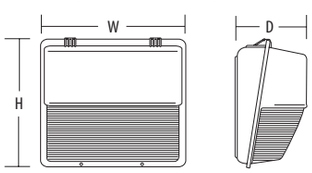
For optional architectural colors, see page 543.

Accessories	(Order separately)
RK1 PEB1	Photoelectric control kit, 120V
RK1 PEB2	Photoelectric control kit, 208V, 240V, 277V
RK1 PEB1 CSA	Photoelectric control kit, 120V
RK1 PEB3 CSA	Photoelectric control kit, 347V
RK1 TWHGL FS	Field installable full shield, for cutoff
PE1	NEMA twist-lock photocontrol, 120V, 208V, 240V[17]
PE3	NEMA twist-lock photocontrol, 347V[17]
PE4	NEMA twist-lock photocontrol, 480V[17]
PE7	NEMA twist-lock photocontrol, 277V[17]

NOTES:
1. May be ordered with SCWA.
2. Must be ordered with SCWA.
3. Requires ED or BT28 reduced jacket lamp.
4. Not available with TB.
5. 120V only, A21 lamp.
6. Consult factory for availability in Canada.
7. Consult factory for availability in Canada, n/a 150M.
8. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
9. Optional 5-tap ballast (120V, 208V, 240V, 277V, 480V).
10. Lamp not included.
11. Quartz lamp wattage not to exceed ballast wattage rating.
12. Black finish only.
13. Photocell not included.
14. Requires factory modification.
15. Not available with TBV.
16. Not available with incandescent.
17. PER must be ordered with fixture.
18. Other ballast types available.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Height: 15-1/4 (40)
Width: 16-1/4 (41.3)
Depth: 8 (20.3)
Weight: 26-42 lbs (12-19kg)



Lamp/Fixture Data[18]			
Wattage	Ballast	Lamp type	Base type
High pressure sodium (med/mog/clear)			
70	HX-HPF	E17	medium
100	HX-HPF	E17	medium
150	HX-HPF	E17	medium
250	CWA	BT28	mogul
400	CWA	BT28	mogul
Metal halide (med(150)/mog/clear)			
150	HX-HPF	E17	medium
175	CWA	BT28	mogul
250	CWA	BT28	mogul
400	CWA	ED or BT28	mogul

lightquick® XD
Express delivery products.
See page 11 for details about LightQuick XD.

Description
TWH 250M TB LPI
TWH 400M TB LPI

TWP

Intended Use

For entrances, loading docks, walkways and vehicle ramps. **Use in car washes will result in discoloration of the polycarbonate lens over time. This will become a maintenance requirement.**

Features

Housing – Rear housing is rugged, die-cast aluminum. Corrosion-resistant, captive external hardware includes slotted hex-head and tamperproof fasteners. Finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics – Reflector is aluminum, finished in white enamel. Front housing and refractor are one-piece, injection-molded, UV-stabilized polycarbonate. Standard finish: front cover has an opaque lower portion and dark bronze painted upper portion; back housing is dark bronze polyester. Refractor is sealed and gasketed to inhibit the entrance of outside contaminants.

Electrical – HPS, 70-150M: High-reactance, high-power factor (XHP). 175MH and MV: Constant-wattage autotransformer. Ballast is copper wound and 100% factory tested. UL Listed. Electrical components mounted on back housing.

Socket – Glazed porcelain (mogul-based; 175W; medium based: 150W and below), horizontally oriented with copper alloy, nickel-plated screw shell and center contact. UL Listed 660W, 600V for medium base; 1500W, 600V for mogul base. 4KV pulse rated.

Installation – Top 3/4" threaded wiring access. Back access through 3/4" opening. For feed-thru wiring, use condulet tee (not included). Mount on any flat, non-combustible vertical surface.

Listings

UL Listed (standard). CSA or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



Example: **TWP 175M TB LPI**

Ordering Information

Designation	Voltage
High pressure sodium	**120**
TWP 35S[1]	**208**[5]
TWP 50S[2]	**240**[5]
TWP 70S	**277**
TWP 100S	**347**
TWP 150S	**480**[5]
Metal halide	**TB**[6]
TWP 70M	
TWP 100M	
TWP 150M	
TWP 175M	
Mercury vapor	
TWP 100H	
TWP 175H	
Low pressure sodium	
TWP 35L[2]	
Incandescent	
TWP 200I[3,4]	

Options	
Installed	
SF	Single fuse, 120V, 277V, 347V (n/a TB)
DF	Double fuse, 208V, 240V, 480V (n/a TB)
EC	Emergency circuit[4,7]
QRS	Quartz restrike system[4,7]
CR	Enhanced corrosion resistance (rear housing only)
CRT	Non-stick protective coating[8]
PE	Photoelectric cell, button type (n/a TB or 480)
LPI	Lamp included
L/LP	Less lamp
FS	Full shield
WG	Wireguard
SCWA	Super CWA pulse start ballast (150M only)
RHP	Reactor high-power factor ballast (HPS only)
RNP	Reactor normal-power factor ballast (HPS only)
CSA	CSA Certified
NOM	NOM Certified (consult factory)
Architectural colors (optional)	
DNA	Natural aluminum
DBL	Black
DMB	Medium bronze
DWH	White
DSS	Sandstone

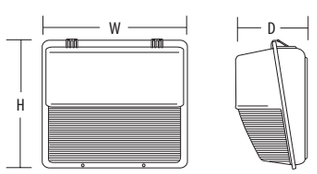
NOTES:
1. 120V only.
2. Not available with 480V or TB.
3. 120V only. A21 lamp for 2001.
4. Lamp not included.
5. Consult factory for availability in Canada; n/a 35S, 50S and 150M.
6. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
7. Quartz lamp wattage not to exceed ballast wattage rating.
8. Black finish on rear housing only.
9. Other ballast types available.

Accessories	(Order separately)
RK1 PEB1	Photoelectric control kit, 120V
RK1 PEB2	Photoelectric control kit, 208V, 240V and 277V.
RK1 PEB1 CSA	Photoelectric control kit, 120V
RK1 PEB3 CSA	Photoelectric control kit, 347V
RK1 TWPFA FS	Field installable shield for cutoff

Lamp/Fixture Data[9]			
Wattage	Ballast	Lamp type	Base type
High pressure sodium (med/clear)			
35	RHP	E17	medium
50	RHP	E17	medium
70	XHP	E17	medium
100	XHP	E17	medium
150	XHP	E17	medium
Metal halide (med(70/100/150)/mogul(175)/clear)			
50	HX-HPF	E17	medium
70	HX-HPF	E17	medium
100	HX-HPF	E17	medium
150	HX-HPF	E17	medium
175	CWA	BT28	mogul
Mercury vapor (mog/coated)			
100	CWA	E17	medium
175	CWA	BT/ED28	mogul
Low pressure sodium (D.C. bay/clear)			
35	HPF-LAG	T17	medium

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
TWP 175M TB LPI



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Height	15-7/16 (39.2)
Width	16-1/8 (41)
Depth	7-3/4 (19.7)
Weight	16 lbs (7 kg)

www.lithonia.com, keyword: TWP

TWA

Contour®



Intended Use

For entrances, stairwells, corridors and other pedestrian areas. **Use in car washes will result in discoloration of the polycarbonate lens over time. This will become a maintenance requirement.**

Features

Housing – Rear housing is rugged, die-cast aluminum. Front cover is one-piece, UV-resistant, injection-molded polycarbonate, internally painted. Captive external hardware is treated for corrosion resistance and includes slotted hex-head and tamper-proof fasteners. Finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics – Front housing and refractor are one-piece, injection-molded, UV-stabilized polycarbonate. High-performance optical system consists of specular anodized segmented reflector and computer-designed prism pattern. Standard finish is dark bronze polyester enamel. Front cover sealed with one-piece, high-temperature silicone gasket to inhibit entrance of outside contaminants.

Electrical – MH: High-reactance, high-power factor standard. HPS: Reactor normal power factor standard, HPF available. UL Listed. Electrical components are mounted to the cast-aluminum housing, promoting maximum heat dissipation. Fluorescent ballasts are magnetic NPF (22 & 28 DTT) or electronic HPF (26 DTT & TRT).

Socket – HID is porcelain, horizontally oriented, medium-base socket with copper alloy, nickel-plated screw shell and center contact. (UL Listed 660W, 600V and 4KV pulse rated.) Fluorescent is 2-pin (DTT) or 4-pin (TRT), positive latching thermoplastic.

Installation – Top 1/2" threaded wiring access. Back access through 3/4" opening. For feed-thru wiring, use condulet tee (not included). Mount on any flat, non-combustible vertical surface.

Listings

UL Listed (standard). CSA or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.

Ordering Information

Example: **TWA 100M 120 LPI**

Designation		Voltage
High pressure sodium		**120**
TWA	**35S**[1]	**208**[4]
TWA	**50S**[2]	**240**[4]
TWA	**70S**[3]	**277**
TWA	**100S**[3]	**347**
Metal halide		**TB**[5]
TWA	**50M**	**MVOLT**[6]
TWA	**70M**	
TWA	**100M**	
Compact fluorescent		
TWA	**22DTT** (2-pin)	
TWA	**26DTT** (4-pin)	
TWA	**28DTT** (2-pin)	
TWA	**32TRT** (4-pin)	
TWA	**42TRT** (4-pin)	

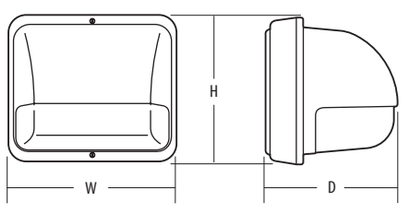
Options	
Installed	
GMF	GMF internal slow-blow fusing[7]
SF	Single fuse, 120V, 277V, 347V[8]
DF	Double fuse, 208V, 240V[8]
EC	Emergency circuit[9,10]
QRS	Quartz restrike system[9,10]
CR	Enhanced corrosion resistance (rear housing only)
CRT	Non-stick protective coating (rear housing only)[11]
PE	Photocell (button type, n/a TB)
LPI	Lamp included
L/LP	Less lamp
XHP	High power factor ballast (HPS only)
CSA	CSA Certified
NOM	NOM Certified (consult factory)
Architectural colors (optional)	
DNA	Natural aluminum
DBL	Black
DMB	Medium bronze
DWH	White
DSS	Sandstone

Accessories	(Order separately)
RK1 PEB1	Photoelectric control kit, 120V
RK1 PEB1 CSA	Photoelectric control kit, 120V
RK1 PEB2	Photoelectric control kit, 208V, 240V, 277V
RK1 PEB3 CSA	Photoelectric control kit, 347V
TWAWG	Wireguard

Lamp/Fixture Data			
Wattage	Ballast	Lamp type	Base type
High pressure sodium (med/clear)			
35	RNPF	E17	medium
50	RNPF	E17	medium
70	RNPF	E17	medium
100	RNPF	E17	medium
Metal halide (med(70/100/150)/mog(175)/clear)			
50	HX-HPF	E17	medium
70	HX-HPF	E17	medium
100	HX-HPF	E17	medium
Fluorescent (double twin-tube/triple-tube)			
22DTT	magnetic, NPF	T4	GX32D-2
26DTT	electronic, HPF	T4	GX32D-3
28DTT	magnetic, NPF	T4	GX32D-3
32TRT	electronic, HPF	T4	GX24Q-3
42TRT	electronic, HPF	T4	GX24Q-3

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Height:	10(25.4)
Width:	11-1/2(29.2)
Depth:	8-15/16(22.7)
Max. weight:	14 lbs (6.4 kg)



NOTES:

1 120V only.
2 120V or 277V only.
3 120V R-NPF is standard, 208V, 240V, 277V, 347V and TB are high-reactance high power factor.
4 Consult factory for availability in Canada.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
6 Optional multi-volt electronic ballast (for compact fluorescent) capable of operating any line voltage from 120V-277V.
7 Available with CF only, n/a MVOLT.
8 Not available with multi-tap ballast.
9 Lamp not included.
10 Quartz lamp wattage not to exceed ballast wattage rating; n/a compact fluorescent.
11 Black finish only.

TWAC

Contour®

Intended Use

For entrances, stairwells, corridors and other pedestrian areas. **Use in car washes will result in discoloration of the polycarbonate lens over time. This will become a maintenance requirement.**

Features

Housing – Rear housing is rugged, die-cast aluminum. Front cover is one-piece, UV-resistant, injection-molded polycarbonate, internally painted. Captive external hardware is treated for corrosion resistance and includes slotted hex-head and tamper-proof fasteners. Finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics – Front housing and refractor are one-piece, injection-molded, UV stabelized polycarbonate. One-piece, die-formed reflector is diffused aluminum. Refractor is clear polycarbonate, providing **IES cutoff distribution** and maximum lateral light output. Standard finish is dark bronze polyester enamel. Front cover sealed with one-piece, high temperature silicone gasket to inhibit entrance of outside contaminants.

Electrical – MH: High-reactance, high-power factor standard. HPS: Reactor normal power factor standard. HPF available. UL Listed. Electrical components mounted to the cast aluminum housing, promoting maximum heat dissipation. Fluorescent ballasts are magnetic NPF (22 & 28 DTT) or electronic HPF (26 DTT & TRT).

Socket – HID is porcelain, horizontally oriented, medium-base socket with copper alloy, nickel-plated screw shell and center contact. (UL Listed 660W, 600V and 4KV pulse rated.) Fluorescent is 2-pin (DTT) or 4-pin (TRT), positive latching thermoplastic.

Installation – Top 1/2" threaded wiring access. Back access through 3/4" opening. For feed-thru wiring, use condulet tee (not included). Mount on any flat, non-combustible vertical surface.

Listings

UL Listed (standard). CSA or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



Ordering Information

Example: **TWAC 100S 120 LPI**

Designation	Voltage	Options
High pressure sodium	**120**	Installed
TWAC 35S[1]	**208**[4]	**SF** Single fuse, 120V, 277V, 347V[7]
TWAC 50S[2]	**240**[4]	**DF** Double fuse, 208V, 240V[7]
TWAC 70S[3]	**277**	**GMF** Internal slow-blow fusing[8]
TWAC 100S[3]	**347**	**XHP** High power factor ballast (HPS only)
Metal halide	**TB**[5]	**EC** Emergency circuit[9,10]
TWAC 50M	**MVOLT**[6]	**QRS** Quartz restrike system[9,10]
TWAC 70M		**CR** Enhanced corrosion resistance (rear housing)
TWAC 100M		**CRT** Non-stick protective coating (rear housing)[11]
Compact fluorescent		**CSA** CSA Certified
TWAC 22DTT (2-pin)		**NOM** NOM Certified (consult factory)
TWAC 26DTT (4-pin)		**PE** Photocell (button type)[7]
TWAC 28DTT (2-pin)		**LPI** Lamp included
TWAC 32TRT (4-pin)		**L/LP** Less lamp
TWAC 42TRT (4-pin)		**DC12** Emergency circuit 12V. 35W lamp included[12]
		2DC12 Emergency circuit 12V. 2/35W lamps included[12]
		DC2012 Emergency circuit 12V. 20W lamps included[12]
		2DC2012 Emergency circuit 12V. 2/20W lamps included[12]
		Architectural colors (optional)
		DNA Natural aluminum
		DBL Black
		DMB Medium bronze
		DWH White
		DSS Sandstone

NOTES:

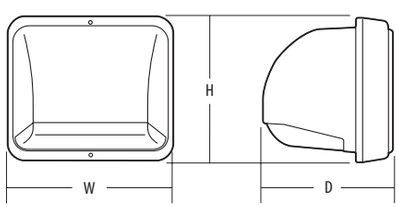
1 120V only.
2 120V or 277V only.
3 120V R-NPF is standard, 208/240/277/347 and TB are high reactance high power factor.
4 Consult factory for availability in Canada.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
6 Optional multi-volt electronic ballast (for compact fluorescent) capable of operating any line voltage from 120V-277V.
7 Not available with multi-tap ballast.
8 Available with CF only, n/a MVOLT.
9 Lamp not included.
10 Quartz lamp wattage not to exceed ballast wattage rating.
11 Black finish only.
12 HID only, n/a QRS, EC or NOM.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Height:	10(25.4)
Width:	11-1/2(29.2)
Depth:	8-15/16(22.7)
Weight:	10 lbs (4.53 kg)

Accessories	(Order separately)
RK1 PEB1	Photoelectric control kit, 120V
RK1 PEB1 CSA	Photoelectric control kit, 120V
RK1 PEB2	Photoelectric control kit, 208V, 240V or 277V
RK1 PEB3 CSA	Photoelectric control kit, 347V
TWAWG	Wireguard

Lamp/Fixture Data			
Wattage	Ballast	Lamp type	Base type
High pressure sodium (med/clear)			
35	RNPF	E17	medium
50	RNPF	E17	medium
70	RNPF	E17	medium
100	RNPF	E17	medium
Metal halide (med(70/100/150)/mog(175)/clear)			
50	HX-HPF	E17	medium
70	HX-HPF	E17	medium
100	HX-HPF	E17	medium
Fluorescent (double twin-tube/triple-tube)			
22DTT	magnetic, NPF	T4	GX32D-2
26DTT	electronic, HPF	T4	GX32D-3
28DTT	magnetic, NPF	T4	GX32D-3
32TRT	electronic, HPF	T4	GX24Q-3
42TRT	electronic, HPF	T4	GX24Q-3



www.lithonia.com, keyword: TWAC

LITHONIA LIGHTING®

Die-Cast Wall Packs, Glass Refractor

TWR



Intended Use

For mounting above entryways and loading docks. **Contact with a direct forceful spray of water during operation can result in glass breakage. Not recommended for car wash applications.**

Features

Housing – Rugged, die-cast aluminum back housing and hinged door frame. Castings are sealed with a one-piece gasket to inhibit the entrance of external contaminants. Finish is bronze polyester powder paint standard.

Optics – (TWR1, TWR2) Refractor is prismatic borosilicate glass. Reflector is die-formed anodized stippled aluminum. TWR1 medium-base lamp and TWR2 mogul-base lamp included in carton as standard.

Electrical – Quad-tap, constant wattage autotransformer (175M-400M; 250S-400S). High reactance, high power factor (70S-150S; 70M-150M). Ballast is copper wound and 100% factory tested.

Installation – Housing configured for mounting directly over a standard 4" outlet box or for surface wiring via any of three convenient 3/4" threaded conduit entry hubs.

Listings

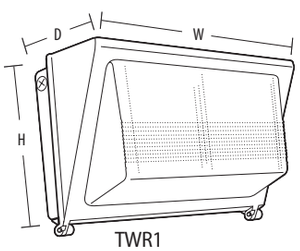
UL Listed standard to US and Canadian safety standards. CSA Certified (see Options). UL/C-UL Listed for wet locations.

Ordering Information

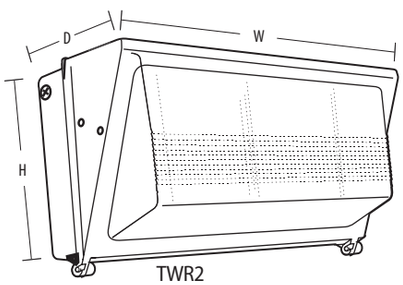
Example: **TWR1 70S TB LPI**

Designation		Voltage	Options	
High pressure sodium		**TB**[1]	**LPI**	Lamp included (std.)
TWR1	**70S**	**120/347**[2]	**CSA**	CSA Certified
TWR1	**100S**	**120**	**PE**	Photoelectric cell button type[4]
TWR1	**150S**	**MVOLT**		
TWR2	**250S**			
TWR2	**400S**			
Metal halide				
TWR1	**70M**			
TWR1	**100M**			
TWR1	**175M**			
TWR2	**250M**			
TWR2	**400M**			
Compact fluorescent				
TWR1	**2/42TRT**[3]			

Accessories	(Order separately)
TWR1WG	Wireguard
TWR2WG	Wireguard
RK1 TWR1FA	Lens repair kit
RK1 TWR2FA	Lens repair kit



TWR1



TWR2

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	TWR1	*TWR2 250W*	*TWR2 400W*
Height:	9(22.86)	9-1/4(23.50)	9-1/4(23.50)
Width:	13(33.02)	17-7/8(45.40)	17-7/8(45.40)
Depth:	7-3/8(18.75)	9-3/8(23.81)	12-1/2(31.75)
Max. weight:	18 lbs (8.1 kg)	26 lbs (11.8 kg)	31 lbs (14.07 kg)

NOTES:
1 TB is 120V, 208V, 240V, 277V.
2 Only available with CSA.
3 Available with MVOLT or 120V with PE only.
4 Available with 175M, 250M, 400M, 2/42TRT (120 volt) only. Consult factory for other wattage/voltage availability.

TWRC

Intended Use

For building and wall mounted applications. **Contact with a direct forceful spray of water during operation can result in glass breakage. Not recommended for car wash applications.**

Features

Housing – Rugged, die-cast aluminum back housing and hinged door frame. Castings are sealed with a one-piece gasket to inhibit the entrance of external contaminants. Finish is bronze polyester powder paint standard.

Optics – Tempered glass lens and one-piece anodized aluminum reflector provide IES cutoff distribution. Optional full cutoff visor avialable. TWR1C medium-base lamp and TWR2C mogul-base lamp included in carton as standard.

Electrical – Quad-tap, constant wattage auto transformer (175M-400M; 250S-400S). High reactance, high power factor (70S-150S; 70M-150M). Ballast is copper wound and 100% factory tested.

Installation – Housing configured for mounting directly over a standard 4" outlet box or for surface wiring via any of three convenient 3/4" threaded conduit entry hubs.

Listings

UL Listed to US and Canadian safety standards. CSA Certified (see Options). UL/C-UL Listed for wet locations.



TWR2C shown with full cutoff visor; also available with TWR1C.



Ordering Information

Example: **TWR1C 175M TB LPI**

Designation

High pressure sodium		Metal halide	
TWR1C	**70S**	**TWR1C**	**70M**
TWR1C	**100S**	**TWR1C**	**100M**
TWR1C	**150S**	**TWR1C**	**175M**
TWR2C	**250S**	**TWR2C**	**250M**
TWR2C	**400S**	**TWR2C**	**400M**

Voltage

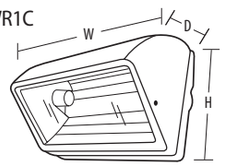
TB[1]
120/347[2]
120

Options

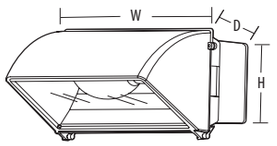
LPI	Lamp included (std.)
CSA	CSA Certified
PE	Photoelectric cell button type[3]

Accessories	(Order separately)
TWR1CWG	Size 1 wireguard
TWR2CWG	Size 2 wireguard
RK1 TWR1CFA	Size 1 lens repair kit
RK1 TWR2CFA	Size 2 lens repair kit
TWRIC FCV	Size 1 full cutoff visor
TWR2C FCV	Size 2 full cutoff visor

TWR1C



TWR2C



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	TWR1C	*TWR2C*
Height:	10-1/4(26)	14-1/2(36.8)
Width:	13(33)	17-13(43.5)
Depth:	8-15/32(21.5)	10(25.4)
Max. weight:	18lbs(8.1kg)	25lbs(11.3kg)

NOTES:
1 TB is 120V, 208V, 240V, 277V.
2 Only available with TWR1C CSA.
3 Available with 175M, 250M, 400M, 400S (120volt) only. Consult factory for other wattage/voltage availability.

TWRS

Intended Use

For building and wall mounted applications. **Contact with a direct forceful spray of water during operation can result in glass breakage. Not recommended for car wash applications.**

Features

Housing – Rugged, die-cast aluminum back housing and hinged door frame. Castings are sealed with a one-piece gasket to inhibit the entrance of external contaminants. Finish is bronze polyester powder paint standard.

Optics – Tempered glass lens and one-piece anodized aluminum reflector provide IES **full cut-off** distribution. Medium-base lamp included in carton as standard.

Electrical – Quad-tap, constant wattage autotransformer for 175M. High reactance, high power factor for 100M and 150S. Ballast is copper wound and 100% factory tested.

Installation – Housing configured for mounting directly over a standard 4" outlet box or for surface wiring via any of three convenient 3/4" threaded conduit entry hubs.

Listings

UL Listed to US and Canadian safety standards. UL/C-UL Listed for wet locations.



Ordering Information

Example: **TWR1S 175M TB LPI**

Designation

High pressure sodium	
TWR1S	**150S**
Metal halide	
TWR1S	**100M**
TWR1S	**175M**

Voltage

TB[1]

Options

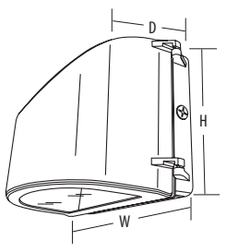
LPI	Lamp included (std.)

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Height:	16-1/2(41.9)
Width:	12-1/4(31.2)
Depth:	10-3/4(27.3)
Max. weight:	15.5lbs(7.0kg)

NOTES:
1 TB is 120V, 208V, 240V, 277V.

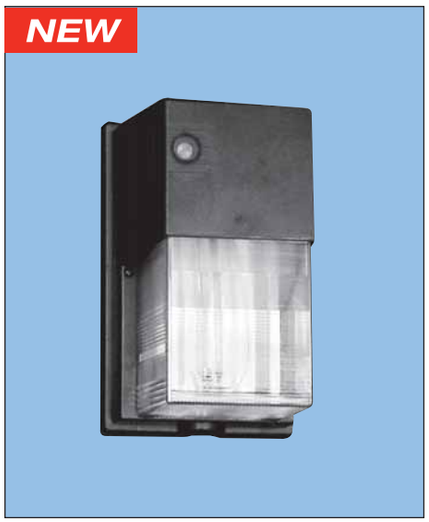
NIGHTTIME FRIENDLY
Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction



www.lithonia.com, keywords: TWRC and TWRS

Cast Small Wall Packs, Polycarbonate Refractor

TWS



Intended Use

For entrances, stairwells, corridors and other pedestrian areas.

Features

Housing – Cast aluminum backplate on which electrical components are mounted for maximum heat dissipation. Gasketing between backplate and front cover prevents entry of water and comtaminants. External hardware includes Phillips head and tamperproof hex-head fasteners.

Optics – Front cover/refractor is injection-molded, one-piece, UV stabilized polycarbonate. The optical system is sealed and gasketed to inhibit the entrance of outside contaminants.

Electrical – 35-70W HPS and 50W MH use a 120V normal power factor ballast, and lamp is included as standard. The 13W compact fluorescent uses a 120V electro-magnetic ballast and includes a twin-tube fluorescent lamp as standard. The 26-42W compact fluorescent uses a multi-volt electronic ballast. Options include 120-277V operation and 26W, 32W or 42W triple-tube fluorescent lamp (not included).

Socket - HID: Medium-base porcelain socket, vertically oriented with copper alloy nickel plated screw shell and center contact. (UL Listed 660W, 600V). CFL: The 26-42W fluorescent uses a universal 4-pin socket for 26W, 32W or 42W operation based on lamp choice. The 13W fluorescent uses a 2-pin socket.

Installation – Units for wall mounting include two 3/4" knockouts for routing electrical conduit.

Listings

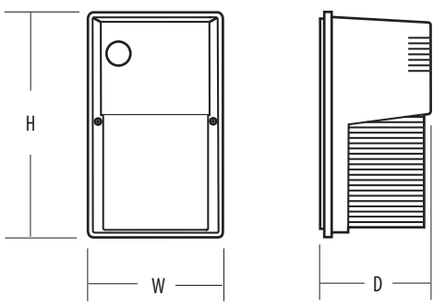
UL Listed to US and Canadian safety standards. UL/C-UL Listed for wet locations.

Ordering Information

Example: **TWS 50M 120 PE LPI**

Series	Designation	Voltage	Options
TWS	High pressure sodium	**120**	(blank) Dark bronze finish (std.)
	35S	**MVOLT**[2]	**DWH** White finish
	50S		Installed
	70S		**PE** Photoelectric cell [3]
	Metal halide		**LPI** Lamp included
	50M		**L/LP** Less lamp standard for 26 – 42TRT
	Compact fluorescent		
	13TT		
	26TRT[1]		
	32TRT[1]		
	42TRT[1]		

Accessories	(Order separately)
RK1 PEB1	Photocell kit, (120V only)
TWSWG	Wireguard



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Height:	11(27.9)
Width:	6-7/8(17.4)
Depth:	5-1/4(13.3)
Max. weight:	4.9 lbs (2.2kg)

NOTES:
1 Ships as 26/42TRT. Operates 26-42W as standard based on lamp choice.
2 Not available with MH, HPS or 13TT.
3 Not available with MVOLT.

WG/WP

Intended Use

For entrances in motels, condominiums and other pedestrian areas.

Features

Housing – Die-cast aluminum housing with electrostatically applied dark bronze polyester powder finish. White finish available.

Optics – Opal glass or white polycarbonate available.

Electrical – HPS-120V reactor normal power factor (RNP) ballasts are copper wound and 100% factory tested. Fluorescent is electromagnetic UL Listed.

Socket – Medium-base porcelain socket, vertically oriented with copper alloy, nickel-plated screw shell and center contact. (UL Listed 660W, 600V.) Fluorescent 2-pin socket: 22DTT-GX32D-2, 28DTT-GX32D-3.

Installation – Wall and ceiling mounted.

Listings

UL Listed. UL Listed for wet locations.



Ordering Information

Example: **WGCW 70S 120 LPI**

Designation		
		High pressure sodium
WPCW	**35S**	White polycarbonate, cylinder/wall
WPCW	**50S**	White polycarbonate, cylinder/wall
WGCW	**70S**	White glass, cylinder/wall
WPGW	**35S**	White polycarbonate, globe/wall
WPGW	**50S**	White polycarbonate, globe/wall
WGGW	**70S**	White glass, globe/wall
		Incandescent
WGCW	**100I**	White glass, cylinder/wall
WGGW	**100I**	White glass, globe/wall
WGCC	**60I**	White glass, cylinder/ceiling
WGGC	**60I**	White glass, globe/ceiling
WPCW	**60I**	White polycarbonate, cylinder/wall
WPGW	**60I**	White polycarbonate, globe/wall
WPCC	**60I**	White polycarbonate, cylinder/ceiling
		Fluorescent
WPCW	**22DTT**	(2-pin), white polycarbonate, cylinder/wall
WPCW	**28DTT**	(2-pin), white polycarbonate, cylinder/wall
WPGW	**28DTT**	(2-pin), white polycarbonate, globe/wall

Voltage
120

Options	
(blank)	Dark bronze finish (std.)
DWH	White finish
LPI	Lamp included (std.)[1]

Lamp/Fixture Data			
Wattage	Ballast	Lamp type	Base type
High pressure sodium (med/clear)			
35	RNP	E17	medium
50	RNP	E17	medium
70	RNP	E17	medium
Fluorescent (double twin-tube)			
22	RNP	T4	GX32D-2
28	RNP	T4	GX32D-3

NOTES:
1 Not included with incandescent fixtures.

www.lithonia.com, keywords: WG and WP

Garage Lighting, Surface-Mount

PGR



Intended Use

For parking garage applications.

Features

Upper housing – Rugged, die-cast aluminum with one-piece silicone gasketing. Standard finish is white corrosion-resistant polyester powder paint. Other architectural colors available.

Lower Assembly – Precision injection-molded, UV stabilized acrylic . Hinged and secured with four stainless steel screws. Polycarbonate available.

Mounting – Fully silicone-gasketed, galvanized steel plate. Surface mounts to recessed box or pendant mounts to industry standard J-boxes. The quick-mounting bracket doubles as a hanger for the fixture allowing for trouble-free electrical connections. The fixture twist-locks into place in a firm, secure fashion.

Optics – Lower semi-specular, faceted, vacuum metalized aluminum reflector and upper-precision, injection-molded, prismatic acrylic refractor. Polycarbonate refractor available.

Electrical – HID: All HPS lamps as well as 100M and 150M lamps are high reactance autotransformer, high power factor. 175M lamp is a constant-wattage autotransformer. 200M lamp requires a Super CWA pulse start ballast. Ballasts are copper wound and 100% factory tested. 180°C Class H insulation system. 50 watt - 70 watt metal halide with electronic ballast - ballast is high power factor, <15% THD with starting temperature of -22°F (-30°C). Medium base, UL Listed 660W, 600V, 4K socket. Compact Fluorescent: ballast is Class P, electronic, high power factor, <10% THD with starting temperature of 0°F (-18°C). Sockets are high temperature thermoplastic with integral retention clip. Induction: High Frequency Generator – Supplies high frequency power to the discharge vessel (lamp) to initiate and maintain a gas discharge for a rate 100,000 hours of life **(Optimized for ambient temperatures ranging from -40° to 20°C. Higher ambient temperatures may reduce lamp life.)** Power Coupler – Induction coil transfers energy from the generator to the discharge vessel. Discharge Vessel – Glass bulb contains a mixture of low-pressure mercury vapor and inert buffer gas. The wall of the discharge vessel is coated with a fluorescent powder which produces light at 3000K color and 80+ CRI.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient operation and wet locations.US patent no. D402,075. Canadian patent 86779.

Ordering Information

Example: **PGR 175M TB LPI**

Designation	Wattage	Voltage
PGR	High pressure sodium	**120**
	70S	**208**[5,6]
	100S	**240**[5,6]
	150S	**277**[6]
	Metal halide	**347**[6]
	70M	**480**[6,7,8]
	100M	**TB**[6,8,9]
	150M[1]	**MVOLT**[6,10,11]
	175M[1]	**TVOLT**[12,13]
	200M[2]	
	Electronic metal halide[3]	
	50M	
	70M	
	50MHC	
	70MHC	
	Compact fluorescent	
	2/42TRT	
	2/57TRT	
	2/70TRT	
	Induction lighting	
	85IL[4]	

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Height:	11-1/2(29.2)
Max. diameter:	15(38.1)
Max. weight:	20 lbs (9 kg)



Options/accessories

Installed

LPI	Lamp included[6]
LP	Lamp factory installed
L/LP	Less lamp[6]
HS	House-side glare shield[6]
HSR	House-side glare shield ready[6]
FLR	Frosted lower lens
DN	Downlight focused, (n/a HA or HS)[6,8]
PC	Polycarbonate refractor/lower housing/lens
TP	Tamper-resistant lens screws
GEB	Electronic ballast[8]
SCWA	Super CWA pulse start ballast (available with 150M, 175M and 200M only)
SF	Single fuse, 120V, 277V, 347V (n/a TB)[6,8,14]
DF	Double fuse, 208V, 240V, 480V (n/a TB)[6,8,14]
GMF	Internal slow blowing fuse (n/a MVOLT)[15]
QRS	Quartz restrike system (250W max.)[6,8,16]
QRSTD	QRS time delay (250W max.)[6,8,16,17]
EC	Emergency circuit[6,16,18]
KW1	KiloWatch 120V control relay[6,8,19]
CR	Enhanced corrosion resistance
CRT	Non-stick protective coating (black finish only)
HA	40°C ambient[6,8,20]
CSA	CSA Certified
NOM	NOM Certified, consult factory

Shipped separately

OJB	Offset junction box
YK	Yoke mount
BDS	Bird deterrent shroud (for use with non-surface mounting options; rigid coundit, YK or OJB)

Accessories (Order separately)

RK1 T20BIT	Hex base driver bit, Torx® TX20, for tamper-resistant screws with center reject pin
RK1 T20DRV	Torx® TX20 screwdriver for use with tamper-resistant screws with center reject pin

NOTES:

1 May be ordered with SCWA option.
2 Must be ordered with SCWA option.
3 Must be ordered with GEB option.
4 Must be ordered with LP option. **Optimized for use in areas where ambient temperature does not exceed 20°C. Higher ambient temperatures may reduce lamp life.**
5 Consult factory for availablity in Canada.
6 Not available with induction.
7 Available in 150S, 175M and 200M only.
8 Not available with compact fluorescent.
9 Optional multi-tap ballast 120, 208, 240, 277 (120, 277, 347 for Canada).
10 Optional multi-volt electronic ballast capable of operating on any line voltage from 120V-277V. Use for both compact fluorescent and electronic HID.
11 Available in compact fluorescent, 50M, 50MHC, 70M and 10MHC only.
12 Optional tri-volt electronic ballast capable of operating on any line voltage from 200V-277V.
13 Available with induction only.
14 Not available with multi-tap or multi-volt ballasts.
15 Available with electronic, HID only.
16 Lamp not included.
17 Not available with KiloWatch.
18 Lamp wattage not to exceed ballast wattage.
19 For specific ordering information, see KiloWatch brochure, form no. 720.146 or consult factory.
20 Not available with HS (house-side glare shield) or 200M.

TGL
TGR

Intended Use

For areas that require optimum vertical illumination with glare control at low mounting heights. Ideal for parking garages, greenhouses, garden centers and low-profile industrial aisles. **Certain airborne contaminants can diminish integrity of acrylic. Refer to acrylic environmental compatibility chart on page 735 for suitable uses**.

Features

Housing – Rugged, heavy, die-cast aluminum housing. Standard finish is natural aluminum polyester powder finish.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Induction lighting: High Frequency Generator/ Ballast - Supplies high-frequency current to the lamp to initiate and maintain a gas discharge for a rated 100,000 hours of life.

Optics – One-piece, injection-molded, 100% virgin acrylic refractor. TGL Type V (A165), Type II (A162), TGR Type V (A125), and Type 1 (A121) distributions are available. Polycarbonate refractor available.

Socket – Glazed porcelain, vertically oriented mogul-base socket with copper alloy, nickel-plated screw shell and center contact. Medium-base (100M only): UL Listed 660W, 600V, 4KV pulse rated.

Discharge Vessel/Lamp – Glass bulb that contains a mixture of low-pressure mercury vapor and inert buffer gas. The wall of the lamp is coated with a fluorescent powder that produces light.

Listings

TGL: UL Listed to US and Canadian safety standards. NOM Certified. TGR: UL Listed and CSA Certified. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40°C (250M); -40°C to 25°C (85IL). UL wet location optional.



Ordering Information

Example: **TGL 175M A165 TB PM**

Series	Wattage	Optical[2]		Voltage
High pressure sodium	Type V	Type II		
TGL	**70S**	**A165**	**A162**	**120**
	100S	**A165**	**A162**	**208**[3,4]
	150S	**A165**	**A162**	**240**[4,5]
TGR	**70S**	**A125**	**A121**	**277**
	100S	**A125**	**A121**	**347**
	150S	**A125**	**A121**	**480**[4]
Metal halide				**TB**[6]
TGL	**100M**	**A165**	**A162**	
	175M	**A165**	**A162**	
	200M	**A165**	**A162**	
	250M[1]	**A165**	**A162**	
TGR	**100M**	**A125**	**A121**	
	175M	**A125**	**A121**	
Induction				
TGL	**85IL**	**A165**	**A162**	
	55IL	**A165**	**A162**	

Ballast

Metal halide and high pressure sodium
(blank) Standard magnetic ballast

Pulse Start H.I.D. Ballast/Lamp Systems

Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer

See pages 384-385 for details.

Options/accessories

See pages 386-397. HID lamps are available with luminaires. Consult factory.

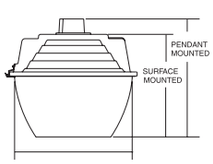
Lamp/fixture data				
	Standard	Weights/mtg.		
Wattage	ballast	lbs.	kg.	height
TGL Type V				
High pressure sodium (mog/clear)				
70	HX-HPF	21	9	2.3
100	HX-HPF	23	10	2.3
150	HX-HPF	23	10	2.3
Metal halide [med(100)/mog(175–250)/clear]				
100	CWA	20	9	1.2
175	CWA	23	10	1.7
250	CWA	26	12	1.7
TGR Type V				
High pressure sodium (mog/clear)				
70	HX-HPF	11	5	1.8
100	HX-HPF	13	6	1.7
150	HX-HPF	14	6	1.8
Metal halide [med(100)/mog(175)/clear]				
100	CWA	13	6	1.7
175	CWA	14	6	1.8

NOTES:
1 Not available with SCWA.
2 Polycarbonate lens: Replace **A** in optical nomenclature with **P** for polycarbonte lens.
3 Requires CWI option in Canada. Only available in 250M.
4 Requires CWI or MRB option in Canada for HPS. Available for 70-150W.
5 220V and 240V, 50 and 60 hertz ballasts available for use with US metal halide and high pressure sodium lamps.
6 Optional multi-tap ballast (120, 208, 240, 277V; 120, 277, 347V in Canada).

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

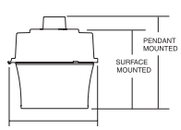
TGL
Overall height: 13-3/8(34)
Diameter: 16-3/4(42.5)

TGL PM
Overall height: 15-1/2(39.4)
Diameter: 16-3/4(42.5)



TGR
Overall height: 11-1/4(28.6)
Diameter: 12-1/2(31.8)

TGR (PM)
Overall height: 13-3/8(34)
Diameter: 12-1/2(31.8)



Ambient Parameters	-40°C to 25°C (-22° to 77°F)	-30° to 40°C (-22° to 104°F)	-30° to 55°C (-22° to 131°F)
TGR		■	
TGL 100-175M			■
TGL 250M		■	
TGL 70-150S			■
TGL 55-85IL	■		

■ = Compatability

www.lithonia.com, keyword: TGL and TGR

Garage Lighting, Ceiling Mount

KPS



Intended Use

For parking garage applications.

Features

Housing – Rugged, heavy-gauge aluminum housing. Square shape, continuous welded seams for weather-tight integrity. Extruded-aluminum door frame has an impact-resistant, tempered glass lens. Door frame is sealed to housing by EPDM closed-cell gasket. Direct mounting to recessed J-box is standard; yoke or recessed mountings optional. Housing will accommodate both top and side branch-circuit wiring and has internal splice compartment. Dark bronze (DDB) corrosion-resistant polyester powder finish standard; other architectural colors available. Stainless steel housing also available.

Optics – Reflectors are anodized, hydroformed aluminum. Four cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw) and Type V (symmetric). Type V reflector is vertically lamped, all others horizontally lamped. Reflectors are field-interchangeable and hinge out for easy removal during installation/maintenance.

Electrical – All ballasts are copper wound and 100% factory tested. Electrical components are unitized on removable power module. Positive-locking, quick-disconnect on primary and secondary circuits. Medium-base porcelain socket standard. Mogul-base porcelain socket for 175W metal halide. 4KV pulse rated.

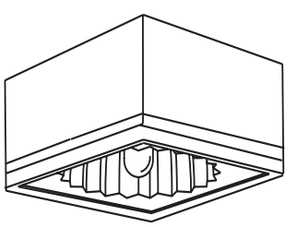
Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for damp locations. *SS option:* UL Listed for 25°C ambient and damp location. *RMG option:* UL Listed for recessed mounting, wet locations and covered ceilings only.

Ordering Information

Example: **KPS 150S R2 120 EC LPI**

Designation	Distribution	Voltage	Options/accessories
High pressure sodium	**R2** Type II Roadway	**120**	Installed
KPS 50S	**R3** Type III Asym	**208**[1]	**LPI** Lamp included
KPS 70S	**R4** Type IV FT	**240**[1]	**L/LP** Less lamp
KPS 100S	**R5** Type V Sym.	**277**	**SF** Single fuse, 120V, 277V, 347V
KPS 150S		**347**	**DF** Double fuse, 208V, 240V, 480V
Metal halide		**480**[1]	**QRS** Quartz restrike system (100W max., 120V lamp not included)
KPS 100M		**TB**[2]	**EC** Emergency circuit (100W max., 120V lamp not included)
KPS 150M			**MOG** Mogul-base socket
KPS 175M			**CR** Enhanced corrosion resistance
			HS House-side shield (R3/R4 only)
			YK Yoke mount
			SS Stainless steel housing[3]
			RMG Recessed mount 2" x 2" (grid ceiling)[3]
			WL Wet location
			SCWA Super CWA pulse start ballast, requires R5 distribution (n/a HPS or 100M)
			CSA CSA Certified
			NOM NOM Certified (consult factory)
			For optional architectural colors, see page 543.
			Shipped separately
			VG Vandal guard



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Length:	16-3/4(42.6)
Width:	16-3/4(42.6)
Depth:	10-1/2(26.7)
Max. weight:	36 lbs (16 kg)

NOTES:

1 Consult factory for availability in Canada.

2 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.

3 SS and RMG cannot be ordered together.

KACM

Intended Use

For parking garages, convenience stores, hotels and walkways.

Features

Housing – Rugged, die-cast, soft-corner aluminum housing with 0.12" nominal wall thickness. Die-cast aluminum door frame has prismatic, impact-resistant, tempered glass; drop dish acrylic lens or drop dish polycarbonate lens. Door frame is fully gasketed with one-piece tubular silicone. Surface mounted utilizing four 0.5" mounting holes and one 0.875 wire-entry hole (mounting hardware not included). Dark bronze (DDB) corrosion-resistant polyester powder finish is standard. Other architectural colors available.

Optics – Reflector is optical-quality aluminum that works in tandem with a light-diffusing prismatic lens.

Electrical – HID: Ballast is high-reactance, high-power factor (150W) or high-power factor, constant-wattage autotransformer (175-400W MH & HPS). Induction: High Frequency Generator - Supplies high frequency power to the discharge vessel (lamp) to initiate and maintain a gas discharge for a rate 100,000 hour of life (Optimized for ambient temperatures ranging from -40° to 25°C, higher ambient temperatures may reduce lamp life).

Socket – Mogul-base porcelain socket, 4KV pulse rated. Position-oriented socket standard on all metal halide units.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. UL Listed for 25° C ambient temperature. **For covered ceiling, mount on concrete, steel or aluminum. Not for use in dwellings.**



Optional white finish shown.
Standard finish is dark bronze.

Ordering Information

Example: **KACM 400M FP 120 LPI**

Designation

High pressure sodium
- **KACM 150S**
- **KACM 250S**
- **KACM 400S**

Metal halide
- **KACM 150M**[1]
- **KACM 175M**
- **KACM 200M**[2]
- **KACM 250M**[1]
- **KACM 320M**[2]
- **KACM 350M**[2]
- **KACM 400M**[1]

Induction
- **KACM 165IL**[3]

Distribution

- **FP** Flat prismatic lens (C73T)[4]
- **DPA** Drop prismatic lens (acrylic)
- **DPP** Drop prismatic lens (polycarbonate)

Voltage

- **120**[4]
- **208**[4,5]
- **240**[4,5]
- **277**[4]
- **347**[4]
- **480**[4,5]
- **TB**[4,6]
- **TVOLT**[7]

Options/accessories

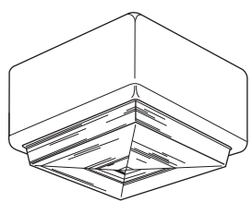
Installed
- **LPI** Lamp included[4]
- **L/LP** Less lamp[4]
- **LP** Lamp included[7]
- **SF** Single fuse, 120V, 277V, 347V (n/a TB)[4]
- **DF** Double fuse, 208V, 240V, 480V (n/a TB)[4]
- **QRS** Quartz restrike system (250W max., 120V lamp not included)[4]
- **EC** Emergency circuit (lamp not included, 250W max.)[4]
- **YK** Yoke mount
- **TC** Thru-wire condulet tee capability[4]
- **SCWA** Super CWA pulse start ballast (n/a HPS or 175M)[4]
- **CSA** CSA Certified[4]
- **NOM** NOM Certified (consult factory)[4]

Shipped separately[8]
- **KACVG** Vandal guard[4,9]
- **KACWG** Wire guard

NOTES:
1. May be ordered with SCWA.
2. Must be ordered with SCWA.
3. Must be ordered with LP option.
4. Not available with 165IL.
5. Consult factory for availability in Canada.
6. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
7. 165IL only.
8. May be ordered as an accessory.
9. FP lens only.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Length:	17-1/2 (44.5)
Width:	17-1/2 (44.5)
Depth:	FP option 7-1/8 (18.1)
	DP option 11-1/8 (28.3)
Max. weight:	40 lbs (18.1 kg)



ASF

Aeris™



Intended Use

For landscape and facade lighting.

Features

Housing – Rugged, die-cast, single piece low copper alloy aluminum housing. Die-cast door frame has impact-resistant, tempered glass lens. Door frame is fully sealed with a closed cell silicone gasket. Standard finish is textured dark bronze (DDBT) polyester powder. Other architectural colors available.

Optics – Anodized aluminum reflectors; segmented, specular or hammertone finish. Reflectors are interchangeable and allow for tool-less access to electrical components.

Electrical – 150W and below utilizes a high reactance, high power factor ballast. 175W and above utilizes a constant-wattage autotransformer ballast. Compact fluorescent uses an electronic high frequency ballast. Optional pulse start ballast available. Quick disconnect plugs easily disconnect reflector from ballast and fixture from supply wires. Ballasts are precision wound and 100% factory tested.

Socket – Porcelain, medium base socket for ASF1, mogul-base socket for ASF2, with copper alloy, nickel-plated screw shell and center contact (UL Listed 660W, 600V, 4KV pulse rated). Fluorescent is four-pin positive latching thermoplastic. UL Listed.

Installation – ASF1 standard mounting is cast 3/4" threaded knuckle. ASF2 standard mounting is heavy-duty, cast-aluminum swivel which fits over standard 1-1/2" (1.9" O.D.) to 2" (2.38" O.D.). Optional yoke mounting available in both sizes.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified (see Options). IP66 rated. Patents pending.

Ordering Information

Example: **ASF1 175M WDF 120 SF LPI**

Designation

High pressure sodium
- **ASF1 50S**
- **ASF1 70S**
- **ASF1 100S**
- **ASF1 150S**
- **ASF2 200S**
- **ASF2 250S**
- **ASF2 400S**[17]

Metal halide
- **ASF1 50M**
- **ASF1 70M**
- **ASF1 100M**
- **ASF1 150M**[1]
- **ASF1 175M**
- **ASF2 200M**[2]
- **ASF2 250M**[1]
- **ASF2 320M**[2]
- **ASF2 350M**[2]
- **ASF2 400M**[1,3]

Compact fluorescent[4]
- **ASF1 26DTT**
- **ASF1 2/26DTT**
- **ASF1 32TRT**
- **ASF1 2/32TRT**
- **ASF1 42TRT**
- **ASF1 2/42TRT**
- **ASF1 57TRT**
- **ASF1 2/57TRT**
- **ASF1 70TRT**

Distribution

- **NSP** Narrow spot
- **SP** Spot
- **HSP** Horizontal spot
- **MDF** Medium flood
- **WDF** Wide flood
- **VFW** Vertical flood-wide
- **VFN** Vertical flood- narrow

Voltage

- **120**
- **208**[5]
- **240**[5]
- **277**
- **347**
- **480**[5]
- **TB**[6]
- **TBV**[7]
- **MVOLT**[8]

Optional mounting

Installed
- (blank) ASF1 3/4" threaded knuckle (std.)
- (blank) ASF2 swivel (std.)
- **YK** Yoke mount

Shipped separately
- **AFSTMTHK** Stanchion mount for 3/4" THK option[9]
- **AFSTM** Stanchion mount
- **AFTM** Tenon base mount
- **AFWMA** Wall-mount arm
- **AFWMATHK** Wall-mount arm for 3/4" THK option[9]
- **AFWMPTHK** Wall-mount plate for 3/4" THK option[9]
- **AFTS** Architectural tenon slipfitter for 3/4" THK option[9]
- **AFTMBTHK** Twin mounting bar for 3/4" THK option[9]
- **AFTMB** Twin mounting bar
- **AFJB** Architectural J-box for 3/4" THK option[9]
- **FCRA45** Cross arm adaptor[10]
- **FPMB** Wall/pole mounting bracket[10]

Options/accessories

Installed
- **SF** Single fuse, 120V, 277V, 347V (n/a TB or TBV)
- **DF** Double fuse, 208V, 240V, 480V (n/a TB or TBV)
- **GMF** Internal slow-blow fusing (n/a MVOLT; CF only)
- **EC** Emergency circuit (100W max., lamp not included.)[11]
- **QRS** Quartz restrike system (100W max., lamp not included)[11]
- **QRSTD** Quartz restrike time delay (100W max., lamp not included)[11]
- **CR** Enhanced corrosion resistance
- **CRT** Non-stick protective coating
- **PE** Photoelectric cell, button type (n/a TB, TBV or MVOLT)[13]
- **SCWA** Super CWA pulse start ballast[14]
- **CSA** CSA Certified
- **NOM** NOM Certified
- **LPI** Lamp(s) included
- **L/LP** Less lamp(s)
- **2/1** Two 1-lamp ballasts (compact fluorescent only)[12]

Shipped separately

ASF1
- **ASF1GS** Glare shield (upper or bottom visor)
- **ASF1EV** Eggcrate visor (black)
- **ASF1FV** Full visor
- **ASF1BD** Barn door
- **ASF1BVG** Vandal guard
- **ASF1FV/BVG** Full visor and vandal guard

ASF2
- **ASF2GS** Glare shield (upper or bottom visor)
- **ASF2EV** Eggcrate visor (black)
- **ASF2FV** Full visor
- **ASF2BD** Barn door
- **ASF2BVG** Vandal guard
- **ASF2FV/BVG** Full visor and vandal guard

Outdoor remote ballast[15]
- **HRBW** HID remote ballast weatherproof (black)

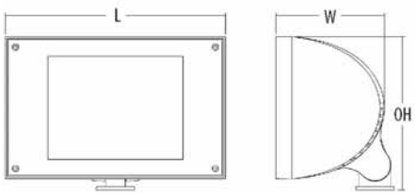
Indoor remote ballast[15]
- **HRB** HID remote ballast (white)

Architectural colors[16]
- **DDBT** Dark bronze (std.)
- **DSST** Sandstone
- **DNAT** Natural aluminum
- **DWHG** White
- **DBLB** Black

Optional textured colors
- **DBNH** Bronze
- **DSPD** Dark gray
- **DSPJ** Light gray
- **DSPE** Green
- **DSPG** Dark red
- **DSPF** Rust
- **DSPH** Red

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

(ASF1 shown)	ASF1	ASF2
EPA:	1.2 ft²	2.0 ft²
Width:	7.62	11
Length:	15.5	21.5
Overall height:	10.80	18.5
Max. weight:	20 lbs	35 lbs



NOTES:
1. May be ordered with SCWA.
2. Must be ordered with SCWA.
3. ED-28 reduced jacket lamp required.
4. Available with WDF distribution only.
5. Consult factory for availability in Canada.
6. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
7. Optional five-tap ballast (120V, 208V, 240V, 277V, 180V; not available in Canada).
8. Multi-volt electronic ballast for compact fluorescent; ships standard on CFL wattages.
9. For use with THK mounting only.
10. For use with yoke mounting only. Must include yoke mount option on fixture.
11. ASF2 only. EC, QRS, and QRSDT options cannot be ordered together.
12. ASF1 only.
13. Must be ordered with fixture; can not be field installed.
14. Not available with HPS or CFL.
15. Consult factory for availability.
16. Additional architectural colors available; see www.lithonia.com for more information.
17. Not available with NSP or SP distributions.

Lamp/Fixture Data

Wattage	Distribution	Ballast	Lamp type	Base type	NEMA dist.
High pressure sodium (med/mog/clear)					
150	HSP	HX-HPF	E17	medium	5x3
150	WDF	HX-HPF	E17	medium	7x6
400	HSP	CWA	ET18	mogul	7x3
400	WDF	CWA	ET18	mogul	7x6
Metal halide (med/mog/clear)					
175	NSP	CWA	E17	medium	1x2
175	HSP	CWA	E17	medium	5x3
175	WDF	CWA	E17	medium	7x6
400	NSP	CWA	ED28	mogul	1x3
400	HSP	CWA	ED28	mogul	7x5
400	WDF	CWA	ED28	mogul	7x6
Compact fluorescent (double twin-tube/triple-tube)					
57TRT	WDF	electronic, HPF	T4	GX24Q-5	7x6
70TRT	WDF	electronic, HPF	T4	GX24Q-6	7x6

KFL

Intended Use

For landscape and facade lighting.

Features

Housing – Extruded aluminum body with cast end caps. Cast aluminum door frame is hinged and secured by stainless steel fasteners. Closed-cell silicone gasket prevents entrance of contaminants. Clear, impact-resistant, tempered glass lens with silk screen. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Other architectural colors available.

Optics – Anodized aluminum reflectors; segmented, specular or hammertone finish. Reflectors are field interchangeable.

Electrical – 150W and below utilizes a high-reactance, high power factor ballast. 175W and above utilizes a constant-wattage autotransformer ballast. Ballast is copper wound and 100% factory tested. UL Listed.

Socket – Horizontal porcelain socket (KFL2 medium base, KFL3 mogul base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 660W, 600V 4KV pulse rated.

Installation – Standard mount is two-piece, heavy-duty, cast-aluminum swivel with integral wiring compartment (pictured). Swivel fits over standard 1-1/2" (1.9" OD) to 2" (2.38" OD) tenon. Corrosion-resistant painted steel yoke with 3-foot, 16/3 SEO cable or threaded knuckle mount (1/2" NPT) are optional.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP66 rated.



Shown with standard swivel mount

Ordering Information

Example: **KFL2 70S HPN 120 SF LPI**

Designation

High pressure sodium
- **KFL2 70S**
- **KFL2 100S**
- **KFL2 150S**
- **KFL3 250S**
- **KFL3 400S**

Metal halide
- **KFL2 70M**
- **KFL2 100M**
- **KFL2 150M**[1]
- **KFL2 175M**
- **KFL3 200M**[2]
- **KFL3 250M**[1]
- **KFL3 320M**[2]
- **KFL3 350M**[2]
- **KFL3 400M**[1,3]

Distribution

- **SP** Spot
- **BP** Horizontal flood[4]
- **RN** Horizontal spot, narrow
- **RM** Horizontal spot, medium
- **RW** Horizontal spot, wide
- **HPN** Vertical flood, narrow
- **HPM** Vertical flood, medium
- **HPW** Vertical flood, wide
- **FT** Forward throw

Voltage

- **120**
- **208**[5]
- **240**[5]
- **277**
- **347**
- **480**[5]
- **TB**[6]

Optional mounting

Installed
- **YK** Yoke mount
- **THK** Threaded knuckle mount

Shipped separately
- **AFSTM** Stanchion mount
- **KFLSTMTHK** Stanchion mount for 1/2" THK option[7]
- **AFTM** Tenon base mount
- **AFWMA** Wall mount arm
- **KFLWMATHK** Wall-mount arm for 1/2" THK option[7]
- **FCRA45** Crossarm adapter[8]
- **TS** Tenon slipfitter[8]
- **AFTMB** Twin mounting bar
- **KFLTMBTHK** Twin mounting bar for 1/2" THK option[7]
- **FPMB** Wall/pole mounting bracket[8]
- **AJB** Architectural J-box for 1/2" THK option[7]

Outdoor remote ballast
- **HRBW** HID remote ballast weatherproof (black)[9]

Indoor remote ballast
- **HRB** HID remote ballast (white)[9]

Options/accessories

Installed
- **SF** Single fuse, 120V, 277V, 347V (n/a TB)
- **DF** Double fuse, 208V, 240V, 480V (n/a TB)
- **PE** Photoelectric cell, button type (n/a TB or 480)
- **QRS** Quartz restrike system (KFL3 only, 100W max., lamp not included)
- **EC** Emergency circuit (KFL3 only, 100W max., lamp not included)
- **CR** Enhanced corrosion resistance
- **SCWA** Super CWA pulse start ballast (n/a HPS, 70M, 100M or 175M)
- **LPI** Lamp included
- **L/LP** Less lamp
- **CSA** CSA Certified
- **NOM** NOM Certified (consult factory)

Shipped separately[10]
- **UV** Upper visor
- **EV** Eggcrate visor (black)
- **FV** Full visor
- **BV** Bottom visor
- **WG** Wireguard
- **BD** Barn door
- **HLV** Horizontal louver (black)
- **VLV** Vertical louver (black)
- **BVG** Bubble vandal guard
- **UV/BVG** Upper visor and bubble vandal guard

For optional architectural colors, see page 543.

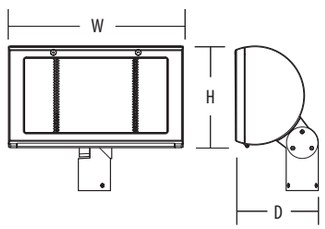
Lamp/Fixture Data

Wattage	Distribution	Ballast	Lamp type	Beam spread H°xV°	NEMA dist.
High pressure sodium					
150	SP	HX-HPF	E17	142x127	3x1
150	HPW	HX-HPF	E17	39x12	7x6
400	SP	CWA	ET18	60x13	4x1
400	HPW	CWA	ET18	144x140	7x7
Metal halide					
175	SP	CWA	ED17	27x15	2x1
175	HPW	CWA	ED17	147x127	7x6
400	SP	CWA	BT28	42x17	3x1
400	HPW	CWA	BT28	146x140	7x7

NOTES:
1. May be ordered with SCWA.
2. Must be ordered with SCWA.
3. ED-28 reduced jacket lamp required.
4. KFL2 only.
5. Consult factory for availability in Canada.
6. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
7. For use with THK mounting only. Must include THK mount option on fixture.
8. For use with yoke mounting only. Must include yoke mount option on fixture.
9. Consult factory for availability.
10. Field modification required unless ordered with fixture.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	KFL2	*KFL3*
EPA:	1.3 ft² (.12 m²)	2.0 ft² (.19 m²)
Width:	17(43.2)	20(50.8)
Depth:	8-1/16(19.7)	9-1/16(23.8)
Height:	9-7/8(24.8)	13-1/16(33.2)
Overall height:	14-1/16(35.6)	16-15/16(42.9)
Max. weight:	29 lbs (13.1 kg)	44 lbs (19.9 kg)



www.lithonia.com, keyword: KFL

LITHONIA LIGHTING

Specification Large Floodlights

TFA

Contour®



Intended Use

For industrial yards, parking lots, construction sites, streets and recreational areas.

Features

Housing – Heavy-duty construction. Contoured die-cast aluminum housing and front bezel. Bezel hinged and latched for fast, easy tool-less internal access to optical and electrical compartments. Lens is heavy-duty, thermal shock-resistant, clear tempered glass with no metal-to-glass contact. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics – Computer-designed, precision die-formed, specular anodized aluminum reflector provides high efficiencies. Premium, one-piece silicone gasket seals optical chamber to inhibit entrance of outside contaminants.

Electrical – High-power factor, constant-wattage autotransformer. Ballast is copper wound and 100% factory tested. UL Listed. Electrical components mounted to rear housing for maximum heat dissipation.

Socket – Porcelain, horizontally or vertically oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V.

Installation – Tool-less latches on front bezel can be opened while wearing gloves. Corrosion-resistant, painted steel yoke.

Listings

UL Listed (standard) (ambient temperature 25°C for 750W and above, 40°C for 400W and below). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
TFA 1000M TA TB LPI

Ordering Information

Example: **TFA 1000M TA TB LPI**

Designation

High pressure sodium	
TFA	**250S**
TFA	**400S**
TFA	**750S**[1]
TFA	**1000S**
Metal halide	
TFA	**250M**[2]
TFA	**320M**[3]
TFA	**350M**[3]
TFA	**400M**[2]
TFA	**750M**[3]
TFA	**1000M**[2]

Distribution

Horizontal		Vertical				
RN	**TA**	**RB**	**RC**	**RE**	**TA2**	**RM**
RN	**TA**	**RB**	**RC**	**RE**	**TA2**	**RM**
RN	**TA**	**RB**	–	–	**TA2**	**RM**
RN	**TA**	**RB**	–	–	**TA2**	**RM**
RN	**TA**	**RB**	**RC**	**RE**	**TA2**	**RM**
RN	**TA**	**RB**	**RC**	**RE**	**TA2**	**RM**
RN	**TA**	**RB**	**RC**	**RE**	**TA2**	**RM**
RN	**TA**	**RB**	**RC**	**RE**	**TA2**	**RM**
RN	**TA**	–	–	–	–	–
RN	**TA**	**RB**	–	**RE**	**TA2**	**RM**

Voltage

120
208[4]
240[4]
277
347
480[4]
TB[5]
TBV[6]

Options/accessories

Installed

LPI Lamp included
L/LP Less lamp
SF Single fuse, 120V, 277V, 347V[1]
DF Double fuse, 208V, 240V, 480V[1]
EC Emergency circuit[7,8]
QRS Quartz restrike system[7,8]
QRSTD Quartz time delay[7,8]
CR Enhanced corrosion resistance
CRT Non-stick protective coating[9]
PER NEMA twist-lock receptacle[10]
IS Integral slipfitter (2-3/8" to 2-7/8" OD tenon)
CF Charcoal filter
C62 2' 16-3 cord prewired[11]
C42 2' 14-3 cord prewired[11]
C22 2' 12-3 cord prewired[11]
TP Tamperproof latches
SCWA Super CWA pulse start ballast (n/a HPS)
CSA CSA Certified[12]
NOM NOM Certified (consult factory)

Shipped separately

TFAWG Wireguard[13]
TFAVG Vandal guard[13]
TFAUV Upper visor[13]
TFAFV Full visor[13]
TFABV Bottom visor[13]
FTS Tenon slipfitter (2-3/8" to 2-7/8" OD tenon)[11]
FCRA Crossarm adapter (horizontal)[11]
FCRA45 Crossarm adapter (45° from horizontal)[11]
FPMB Wood pole/pipe/wall-mounting bracket (includes FCRA)[11]
FWPB Wall/wood pole/pipe bracket[11]
FRWB Radius wall bracket[14]
FSAB Steel angle bracket[11]
FSPB Steel square pole bracket (for use with existing poles)[14]
PE1 NEMA twist-lock photocontrol (120V, 208V, 240V)[15]
PE3 NEMA twist-lock photocontrol (347V)[15]
PE4 NEMA twist-lock photocontrol (480V)[15]
PE7 NEMA twist-lock photocontrol (277V)[15]
SC Shorting cap
TM Tenon mount[14]

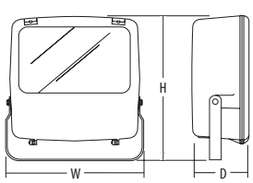
For additional options and accessories, see page 545.
For optional architectural colors, see page 543.

Lamp/Fixture Data

Wattage	Dist.	Ballast	Lamp type	Beam spread H°xV°	NEMA dist.
High pressure sodium (mog/clear)					
400	TA	CWA	ET18	140x134	7x7
400	RN	CWA	ET18	127x30	6x3
400	TA2	CWA	ET18	138x112	7x6
400	RB	CWA	ET18	126x106	6x6
1000	TA	CWA	E25	139x133	7x7
1000	RN	CWA	E25	127x21	6x2
1000	TA2	CWA	E25	144x119	7x6
1000	RB	CWA	E25	128x114	6x6
Metal halide (mog/clear)					
400	TA	CWA	BT37	143x133	7x7
400	RN	CWA	BT37	129x35	6x3
400	TA2	CWA	BT37	135x111	7x6
400	RB	CWA	BT37	124x100	6x6
1000	TA	CWA	BT56	146x135	7x7
1000	RN	CWA	BT56	130x45	6x3
1000	TA2	CWA	BT56	144x119	7x6
1000	RB	CWA	BT56	126x109	6x6

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA:	2.6 ft² (.24 m²)
Width:	22(59.9)
Depth:	9-3/4(24.7)
Height:	18-3/4(47.6)
Overall height:	22-1/2(57.1)
Weight:	65 lbs (29.5 kg)



NOTES:
1 Not available in multi-tap ballast.
2 May be ordered with SCWA.
3 Must be ordered with SCWA.
4 Consult factory for availability in Canada.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
6 Optional 5-tap ballast (120V, 208V, 240V, 277V, 480V), n/a in Canada.
7 Lamp not included.
8 Quartz lamp wattage not to exceed ballast wattage rating.
9 Black finish only.
10 Photocell not included.
11 Yoke-mount only.
12 Not available with TBV.
13 Field modification required unless ordered with fixture.
14 Requires IS or FTS slipfitter.
15 PER must be ordered with fixture.

www.lithonia.com, keyword: TFA

TFL

Contour®

Intended Use

For recreation areas, parking lots, building facades and car lots.

Features

Housing – Compact, soft-corner, die-cast aluminum housing and front cover. Front bezel is fully sealed with one-piece, bonded silicone gasket. Lens is thermal- and shock-resistant, clear, tempered glass. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics – TA2: vertical lamp with one-piece, hydroformed, anodized aluminum reflector. Two-position adjustable socket. RA2: horizontal lamp with anodized specular aluminum reflector. Both have sealed optic chamber to inhibit entrance of outside contaminants.

Electrical – Components mounted to cast-aluminum housing for maximum heat-dissipation. Ballast is high-reactance, high-power factor (70-150W HPS) or constant-wattage autotransformer (175 and above HPS, MH), copper wound and 100% factory tested. UL Listed.

Socket – Porcelain, vertically or horizontally oriented mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation – Corrosion-resistant, heavy-duty painted steel yoke. External screws treated for corrosion resistance. Above-horizontal aiming standard.

Listings

UL Listed (standard) (ambient temperature 25°C for 320W and above and 200S, 40°C for 250W and below). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
TFL 400M RA2 TB LPI



Example: **TFL 400S RA2 TB LPI**

Ordering Information

Designation		Distribution
High pressure sodium, vertical lamp		
TFL	**70S**	**TA2** (7x6)
TFL	**100S**	**TA2**
TFL	**150S**	**TA2**
TFL	**200S**	**TA2**
Metal halide, vertical lamp		
TFL	**150M**[1]	**TA2**
TFL	**175M**	**TA2**
TFL	**200M**[2]	**TA2**
TFL	**250M**[1]	**TA2**
High pressure sodium, horizontal lamp		
TFL	**250S**	**RA2** (7x6)
TFL	**400S**	**RA2**
Metal halide, horizontal lamp		
TFL	**200M**[2]	**RA2**
TFL	**250M**[1]	**RA2**
TFL	**320M**[2]	**RA2**
TFL	**350M**[2]	**RA2**
TFL	**400M**[1,3]	**RA2**

Voltage
120
208[4]
240[4]
277
347
480[5]
TB[6]
TBV[7]

Options/accessories

Installed

LPI	Lamp included
L/LP	Less lamp
SF	Single fuse, 120V, 277V, 347V[8]
DF	Double fuse, 208V, 240V, 480V[8]
EC	Emergency circuit[9,10]
QRS	Quartz restrike system[9,10]
CR	Enhanced corrosion resistance
CRT	Non-stick protective coating[11]
PER	NEMA twist-lock receptacle[12]
IS	Integral slipfitter(2-3/8" OD max. tenon)
CF	Charcoal filter
C62	2' 16-3 cord prewired[13]
C42	2' 14-3 cord prewired[13]
C22	2' 12-3 cord prewired[13]
CSA	CSA Certified[14]
NOM	NOM Certified (consult factory)
SCWA	Super CWA pulse start ballast (n/a HPS or 175M)

Shipped separately

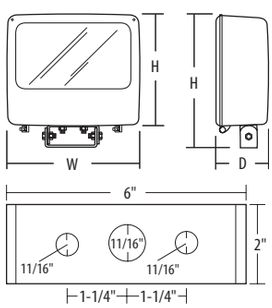
TFLWG	Wireguard[15]
TFLVG	Vandal guard[15]
TFLUV	Upper visor[15]
TFLFV	Full visor[15]
FTS	Tenon slipfitter (2-3/8" to 2-7/8" OD tenon)[13]
FRWB	Radius wall bracket[16]
FWPB	Wall/wood, pole/pipe bracket[13]
FSPB	Steel square pole bracket (for use with existing poles)[16]
FSAB	Steel angle bracket[13]
FCRA	Crossarm adapter (horizontal)[13]
FCRA45	Crossarm adapter (45° from horizontal)[13]
FPMB	Wood pole/pipe/wall-mounting bracket (includes FCRA)[13]
PE1	NEMA twist-lock photocontrol (120V, 208V, 240V)[17]
PE3	NEMA twist-lock photocontrol (347V)[17]
PE4	NEMA twist-lock photocontrol (480V)[17]
PE7	NEMA twist-lock photocontrol (277V)[17]
SC	Shorting cap
TM	Tenon mount[16]

For optional architectural colors, see page 543.

NOTES:
1 May be ordered with SCWA.
2 Must be ordered with SCWA.
3 Requires T-15, ED or BT28 reduced jacket lamp.
4 Consult factory for availability in Canada.
5 Not available in Canada.
6 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
7 Optional 5-tap ballast (120, 208, 240, 277, 480V), n/a in Canada.
8 Not available with multi-tap ballast.
9 Lamp not included.
10 Quartz lamp wattage not to exceed ballast wattage rating.
11 Black finish only.
12 Photocell not included.
13 Yoke mount only.
14 Not available with TBV.
15 Field modification required unless ordered wth fixture.
16 Requires IS or FTS slipfitter.
17 PER must be ordered with fixture.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA: 1.3ft²(.12m²)
Width: 15-3/4(40.0)
Depth: 6-1/8(15.6)
Height: 16-1/8(40.9)
Weight: 27 lbs (11.8 kg)



Lamp/Fixture Data

Wattage	Dist.	Ballast	Lamp type	Beam spread H°xV°	NEMA dist.
High pressure sodium (mog/clear)					
100	TA2	HX-HPF	E17	148x123	7x6
150	TA2	HX-HPF	E17	155x119	7x6
250	RA2	CWA	BT28	143x111	7x6
400	RA2	CWA	BT28	143x111	7x6
Metal halide (mog/clear)					
175	TA2	CWA	BT28	147x122	7x6
250	RA2	CWA	BT28	140x104	7x6
400	RA2	CWA	BT28	145x100	7x6

www.lithonia.com, keyword: TFL

LITHONIA LIGHTING

Specification Medium Floodlights

TFR

Contour®



Intended Use

For recreation areas, parking lots, building facades and car lots.

Features

Housing – Compact, soft corner, die-cast aluminum housing and front cover. Front bezel is removable via position-oriented hinge-cam design and is fully sealed with one-piece, bonded silicone gasket. Lens is thermal- and shock-resistant clear tempered glass. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics – Die-formed, anodized aluminum reflectors provide rectangular, uniform distributions. Three available beam distributions for maximum flexibility in area lighting applications. **Does not require use of reduced-size lamp.**

Electrical – Components mounted to cast-aluminum housing, promoting maximum heat dissipation. Ballast is high-reactance HPF (70-150W HPS). 150M ballast is high reactance HPF constant-wattage autotransformer (175W and above HPS, MH), copper wound and 100% factory tested. UL Listed.

Socket – Porcelain (medium base: 150M; mogul base: all others) horizontally oriented with copper alloy, nickel plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation – Corrosion-resistant, heavy-duty painted steel mounting yoke. External screws treated for corrosion resistance. Above-horizontal aiming standard.

Listings

UL Listed (standard) (ambient temperature 25°C for 320W and above, 40°C for 250W and below). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
TFR 400M TA TB LPI

Ordering Information

Example: **TFR 400M TA TB LPI**

Designation

High pressure sodium
- **TFR 150S**
- **TFR 250S**
- **TFR 400S**

Metal halide
- **TFR 150M**[2]
- **TFR 175M**
- **TFR 200M**[1]
- **TFR 250M**[2]
- **TFR 320M**[1]
- **TFR 350M**[1]
- **TFR 400M**[2]

Distribution

- **TA** (7x6) (n/a 150S)
- **RB** (6x6)
- **RC** (5x5)

Voltage

- **120**
- **208**[3]
- **240**[3]
- **277**
- **347**
- **480**[4]
- **TB**[5]
- **TBV**[6]

Options/accessories

Installed
- **SF** Single fuse, 120V, 277V, 347V[7]
- **DF** Double fuse, 208V, 240V, 480V[7]
- **EC** Emergency circuit[8,9]
- **QRS** Quartz restrike system[8,9]
- **CR** Enhanced corrosion resistance
- **CRT** Non-stick protective coating[10]
- **PER** NEMA twist-lock photoelectric receptacle[11]
- **IS** Integral slipfitter (2-3/8" O D tenon)
- **LPI** Lamp included
- **L/LP** Less lamp
- **C22** 2' 12-3 cord pre-wired[12]
- **C42** 2' 14-3 cord pre-wired[12]
- **C62** 2' 16-3 cord pre-wired[12]
- **CF** Charcoal filter
- **CSA** CSA Certified[13]
- **NOM** NOM Certified (consult factory)
- **SCWA** Super CWA pulse start ballast (n/a HPS or 175M)

Shipped separately
- **TFRWG** Wireguard[14]
- **TFRVG** Vandal guard[14]
- **TFRUV** Upper visor[14]
- **TFRFV** Full visor[14]
- **FRWB** Radius wall bracket[15]
- **FSAB** Steel angle bracket[12]
- **FWPB** Wall/wood, pole/pipe bracket[12]
- **FSPB** Steel square pole bracket (for use with existing poles)[15]
- **FTS** Tenon slipfitter (2-3/8" to 2-7/8" OD tenon)[12]
- **FCRA** Crossarm adapter (horizontal)[12]
- **FCRA45** Crossarm adapter 45° from horizontal[12]
- **FPMB** Wood pole/pipe/wall mounting bracket (includes FCRA)[12]
- **TM** Tenon mount[15]
- **EY** Extended yoke
- **PE1** NEMA twist-lock photocontrol (120V, 208V, 240V)[16]
- **PE3** NEMA twist-lock photocontrol (347V)[16]
- **PE4** NEMA twist-lock photocontrol (480V)[16]
- **PE7** NEMA twist-lock photocontrol (277V)[16]
- **SC** Shorting cap for PER option

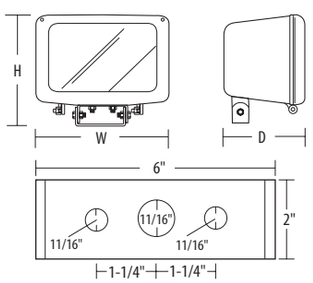
For optional architectural colors, see page 543.

Lamp/Fixture Data

Wattage	Dist.	Ballast	Lamp type	Beam spread H°xV°	NEMA dist.
High pressure sodium (mog/clear)					
150	RB	XHP	E17	114x107	6x6
150	RC	XHP	E17	100x92	5x5
250	TA	CWA	ET18	132x118	7x6
250	RB	CWA	ET18	110x104	6x6
250	RC	CWA	ET18	99x97	5x5
400	TA	CWA	ET18	132x118	7x6
400	RB	CWA	ET18	110x104	6x6
400	RC	CWA	ET18	99x97	5x5
Metal halide (mog/clear)					
175	TA	CWA	BT28	132x111	7x6
175	RB	CWA	BT28	121x91	6x5
175	RC	CWA	BT28	100x90	5x5
250	TA	CWA	BT28	132x111	7x6
250	RB	CWA	BT28	121x91	6x5
250	RC	CWA	BT28	100x90	5x5
400	TA	CWA	BT37	138x119	7x6
400	RB	CWA	BT37	124x107	6x6
400	RC	CWA	BT37	96x100	5x5

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA: 1.3ft² (.12m²)
Height: 12-3/4(32.4)
Width: 17-5/8(44.8)
Depth: 10-3/4(27.3)
Weight: 29(13.2kg)



NOTES:
1. Must be ordered with SCWA.
2. May be ordered with SCWA.
3. Consult factory for availability in Canada.
4. Not available in Canada.
5. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
6. Optional 5-tap ballast (120V, 208V, 240V, 277V, 480V), n/a in Canada.
7. Not available in multi-tap ballast.
8. Lamp not included.
9. Quartz lamp wattage not to exceed ballast wattage rating.
10. Black finish only.
11. Photocell not included.
12. Yoke mounting only.
13. Not available with TBV.
14. Field modification required unless ordered with fixture.
15. Requires IS or FTS slipfitter.
16. PER must be ordered with fixture.

www.lithonia.com, keyword: TFR

TFM

Contour®



Example: **TFM 175M RB 120 LPI**

Intended Use

For signs, flags, building facades and landscaping.

Features

Housing – Compact, heavy-duty construction. Die-cast aluminum housing and removable front bezel. Lens is thermal and shock-resistant, clear tempered glass. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics – Hydroformed, anodized aluminum, faceted parabolic (RB, RG) or die-formed (TA) construction provides high efficiencies.

Electrical – Ballast is high-reactance, high-power factor for 50-150W metal halide or constant wattage autotransformer for 175W metal halide. Ballast is reactor normal-power factor for high pressure sodium (XHP available). Ballast is copper wound and 100% factory tested. UL Listed. Electrical components mounted to the cast-aluminum housing for maximum heat-dissipation.

Socket – Porcelain, medium-base, horizontally-oriented (RB, RG) or vertically-oriented (TA) socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V. 4-pin socket for compact fluorescent.

Installation – Die-cast aluminum 1/2" NSPM threaded mounting knuckle is standard. Corrosion-resistant painted steel yoke optional. Above-horizontal aiming standard. External screws treated for corrosion resistance.

Listings

UL Listed (standard) (ambient temperature 25°C for 150M and above, 40°C for 100M and below; 150S and below). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description

TFM 175M RB TB LPI

Ordering Information

Designation

High pressure sodium
- **TFM 35S**[1]
- **TFM 50S**
- **TFM 70S**
- **TFM 100S**
- **TFM 150S**

Metal halide
- **TFM 50M**
- **TFM 70M**
- **TFM 100M**
- **TFM 150M**
- **TFM 175M**

Compact fluorescent
- **TFM 13DTT**
- **TFM 18DTT**
- **TFM 26DTT**
- **TFM 32TRT**
- **TFM 42TRT**

Distribution

- **TA** (7x6)[2]
- **RB** (6x6)
- **RG** (3x3)

Voltage

- **120**
- **208**[3]
- **240**[3]
- **277**
- **480**[4]
- **TB**[5]
- **TBV**[6]
- **MVOLT**[7]

Options/accessories

Installed
- **SF** Single fuse, 120V, 277V, 347V[8,9]
- **DF** Double fuse, 208V, 240V, 480V[8,9]
- **GMF** Internal slow-blow fuse, CF only (n/a MVOLT)
- **CR** Enhanced corrosion resistance
- **CRT** Non-stick protective coating[10]
- **PE** Photoelectric cell, button type (n/a 480V)[8]
- **XHP** High reactance high power factor ballast[11]
- **LPI** Lamp included
- **L/LP** Less lamp
- **YK** Yoke mounting
- **C62** 2' 16-3 cord pre-wired[12]
- **C42** 2' 14-3 cord pre-wired[12]
- **C22** 2' 12-3 cord pre-wired[12]
- **CSA** CSA Certified[13]
- **NOM** NOM Certified (consult factory)
- **SCWA** Super CWA pulse start ballast (only available in 150M with TA distribution)

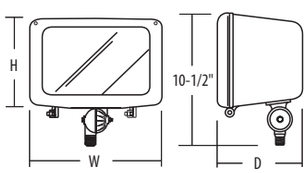
Shipped separately
- **TFMWG** Wireguard
- **TFMVG** Vandal guard
- **TFMUV** Upper visor[14]
- **TFMFV** Full visor[14]
- **TFMTS** Tenon slipfitter (2-3/8" OD tenon, for ground mounting only)
- **TM** Tenon mount[15]

For optional architectural colors, see page 543.

NOTES:
1. 120V only, n/a XHP.
2. TA distribution not available with 175M, compact fluorescent lamps, TBV or fusing.
3. Consult factory for availability in Canada.
4. Not available in Canada.
5. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
6. Optional 5-tap ballast (120V, 208V, 240V, 277V, 480V), n/a in Canada.
7. Optional multi-volt electronic ballast (for compact fluorescent lamps only) capable of operating on any line voltage from 120V-277V.
8. Not available in multi-tap ballast.
9. Not available with TA reflector.
10. Black finish only.
11. Available for 120V only. Standard for 208V, 240V, 277V, 347V, TB and TBV.
12. Yoke mounting only.
13. Not available with TBV.
14. Field modification required unless ordered with fixture.
15. Requires TFMTS.

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA:	.5ft²(.05m²)
Width:	10.6(26.9)
Depth:	6.9(17.5)
Height:	10-1/2(26.7)
Weight:	15 lbs (6.8 kg)

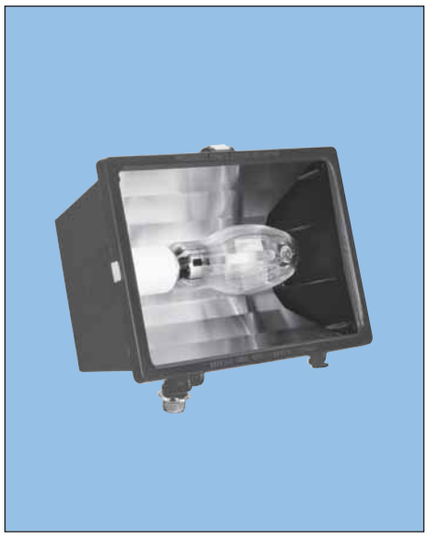


Lamp/Fixture Data

Wattage	Dist.	Ballast	Lamp type	Beam spread H°xV°	NEMA dist.
High pressure sodium (med/clear)					
70	RB	RNP or XHP	E17	94x104	5x6
70	RG	RNP or XHP	E17	42x35	3x3
70	TA	RNP or XHP	E17	131x103	7x6
150	RB	RNP or XHP	E17	88x95	5x5
150	RG	RNP or XHP	E17	57x65	4x4
150	TA	RNP or XHP	E17	131x103	7x6
Metal halide (med/clear)					
100	RB	XHP	E17	83x108	5x6
100	RG	XHP	E17	58x60	4x4
100	TA	XHP	E17	128x107	6x6
175	RB	CWA	ED17	97x105	5x6
175	RG	CWA	ED17	42x35	4x4
Fluorescent					
26DTT	RB	electronic, HPF	T4	125x132	6x6
42TRT	RB	electronic, HPF	T4	120x122	6x6

General Purpose Micro Floodlights

TFS



Intended Use

For signs, landscaping and commercial or residential building facades.

Features

Housing – Compact, rugged die-cast aluminum housing is ribbed for maximum heat dissipation. Hinged die-cast aluminum door frame inhibits the entrance of external contaminant. Finish is bronze polyester powder.

Optics – Anodized aluminum reflector with high efficiency and wide beamspread. Tempered glass lens. Medium-base, E17 lamp included in carton as standard.

Electrical – Reactor HPS or high-reactance (MH) normal power factor.

Installation – Adjustable mounting knuckle with 1/2" NPS threaded stem mounts to standard outlet boxes.

Listings

UL Listed to U.S. and Canadian safety standards. UL/C-UL Listed for wet locations.

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
TFS 150S 120 LPI

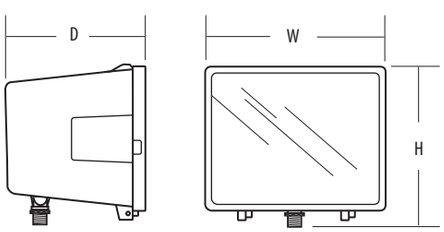
Ordering Information

Example: **TFS 50S 120 LPI**

Designation	Voltage	Options
High pressure sodium	**120**	**LPI** Lamp included (std.)
TFS 50S		
TFS 70S		
TFS 100S		
TFS 150S		
Metal halide		
TFS 70M		

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Width:	8-7/8(22.5)
Depth:	6-1/8(15.6)
Height:	6.5(16.5m)
Max. weight:	6.48 lbs (2.94 kg)



TQ/TQE/TCF

Intended Use

For signs, landscaping, and commercial or residential building facades.

Features

Housing – Compact, rugged, die-cast aluminum housing is ribbed for maximum heat dissipation. TQE lens attaches via tool-less clips. TQ, TQ 1500 and TCF door frame is die-cast aluminum with tool-less latch closure. Standard finish is bronze polyester powder.

Optics – Anodized aluminum reflector with high efficiency and wide beamspread. Tempered glass lens with high temperature gasketing. TQ: 500W models include double-ended quartz 500W lamp. 1500W models do not include double-ended quartz 1500W lamp. TCF: 13W twin-tube compact fluorescent lamps.

Installation – Adjustable mounting knuckle with 1/2" NPS threaded stem. Mounts to standard outlet boxes.

Listings

UL Listed to U.S. and Canadian safety standards. UL/C-UL Listed for wet locations.



lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
TQ 500 120 LPI

Ordering Information

Example: **TQ 1500 L/LP**

Designation	Voltage	Options
Quartz	Determined by lamp (277V max.)	**L/LP** Lamp NOT included (must be supplied by others)
TQ 1500		

Ordering Information

Example: **TQE 500 120 LPI**

Designation	Voltage	Options
Quartz	**120**	(blank) Bronze
TQE 500		**DWH** White
TQ 500		**LPI** Lamp included

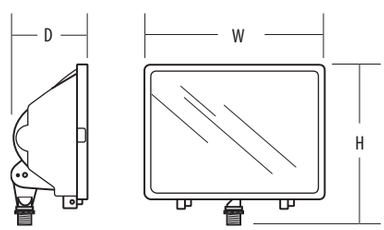
Ordering Information

Example: **TCF 2/13TT 120 LPI**

Designation	Voltage	Options
Compact fluorescent	**120**	**LPI** Lamp(s) included
TCF 13TT		
TCF 2/13TT		

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	TQ1500	*TQ/TQE500*	*TCF*
Width:	13(33.0)	8-7/8(22.5)	8-7/8(22.5)
Depth:	6(15.2)	3-1/2(8.9)	3-1/2(8.9)
Height:	8-1/4(21.0)	6-1/2(16.5)	6-1/2(16.5)
Max. weight:	6lbs(2.72kg)	2.07lbs(.93kg)	2.07lbs(.93kg)



www.lithonia.com, keyword: TQ, TQE and TCF

LITHONIA LIGHTING®

General Purpose Floodlights

TSL



Intended Use

Interstate highway signage, outdoor advertising, traffic flow signs and building facades.

Features

Housing – Die-cast low copper content aluminum housing offers superior durability and corrosion resistance. Hinged door easily removable for quick maintenance. Single fastener makes relamping easy (optional tool-less entry available).

Optics – Anodized aluminum reflector provides uniform lighting distribution with choice of flat tempered glass or sag tempered glass lens.

Electrical – Standard ballast varies by wattage and source and can be specified. 250W and above standard constant wattage autotransformer. Reactor (normal and high power factor), high reactance lag (normal and high power factor), isolated coil, magnetic regulator, and pulse-start ballasts are available (consult factory).

Installation – Standard product mounts to 2-3/8" tenon. Other mounting options are available, (consult factory).

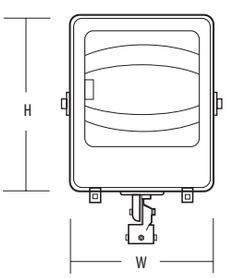
Listings

UL Listed (standard). UL Listed for wet locations. Complies with ANSI: C136.2, C136.10, C136.15.

Ordering Information

Example: **TSL 200S RM FL 120 PER LPI**

Series	Wattage	Distribution	Lens	Voltage	Ballast options[3]	Options/accessories
TSL	High pressure sodium **100S** **150S** **200S** **250S** **310S** **250/400S** **400/250S** **400S** Metal halide **175M** **250M** **250/400M** **400/250M** **400M** Mercury vapor **100MV** **175MV** **250MV** **400MV**	**RM** (5Hx6V) **RB** (6Hx6V)	**FL** Flat lens, tempered glass (clear) **SLG** Sag lens, tempered glass (clear)	**120** **208** **220** **240** **277** **480** **TB**[1,2] **TB1**[1,2] **TB2**[1,2] **TB3**[1,2] **120/240** **240/120** **240/480** **480/240**	**RNP** Reactor normal power factor[4] **RHP** Reactor high power factor[4] **50HZ** 50 hertz **MRB** Mag reg ballast **CWI** CWI ballast **CWA** Constant wattage autotransformer **XHP** High reactance (lag) high power factor[4] **XNP** High reactance (lag) normal power factor[4] **SCWA** Super CWA pulse start[5]	Installed **LPI** Lamp included **LPIC** Lamp included (deluxe/coated) **L/LP** Less lamp **PER** NEMA twist-lock receptacle only (photocontrol not included) **PEU** NEMA twist-lock PE **CF** Charcoal filter **OPS** Open plug-in starter[4] **ENP** Encapsulated plug-in starter[4] **ENX** External encapsulated plug-in starter[4] **T2P** Terminal block-two position wired L1, L2 **T3P** Terminal block-three position wired L1, N, L2 **CSA** CSA Certified **NML** NEMA label **TLS** Tool-less access **HSS** Stainless steel external hardware **LSA** Single lighting surge arrestor[6] **SF** Single fuse, 120V, 277V, 347V (n/a TB)[6,7] **DF** Double fuse, 208V, 240V, 480V (n/a TB)[6,7] **GYK** Yoke galvanized **YK** Yoke painted Shipped separately[8] **SC** Shorting cap for PER option Architectural colors **DWH** White finish **DDB** Dark bronze finish **DBL** Black finish



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA:	1.75 ft² (.16 m²)
Width:	19.5(49.5)
Height:	21-1/4(54)
Max. weight:	37 lbs (16.8 kg)

NOTES:

1 Optional multi-tap ballast (120V, 208V, 240V, 277V). TB prewired to 277V. Others are 1=120V; 2=208V; 3=240V.
2 Not available with RNP or RHP.
3 Not all ballast options are available with all wattage/sources, consult factory.
4 HPS only.
5 Pulse start MH only.
6 120V, 277V only, n/a TB.
7 Not available with UL or CSA options.
8 May be ordered as an accessory.

170S

Intended Use

For airport aprons or parking areas.

Features

Housing – Rugged, heavy-gauge, aluminum housing. Continuous welded seams for weather-tight integrity. Aluminum door frame secured with four stainless steel latches. Thermal-resistant and shock-resistant tempered flat lens. Dark bronze (DDB) corrosion-resistant polyester powder finish; other architectural colors available. Architectural Class 1 anodize finish also available.

Optics – Anodized aluminum reflector with internal glare control louver, painted matte black to provide an asymmetrical beam pattern with sharp vertical cutoff.

Electrical – Constant wattage autotransformer ballast, copper wound and 100% factory tested.

Socket – Horizontal, mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated.

Installation – Painted steel yoke, complete with vertical angle selector, retaining stop and 3-foot, 14/3 cable is standard.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.



Shown with FTS mounting option

Ordering Information

Example: **170S 400S HPN 120 SF LPI**

Designation

High pressure sodium

170S	**250S**
170S	**400S**
170S	**750S**
170S	**1000S**

Metal halide

170S	**320M**[1]
170S	**350M**[1]
170S	**400M**[2]
170S	**1000M**[2,3]

Distribution

HPN

Voltage

120
208[4]
240[4]
277
347
480[4]
TB[5]

Optional mounting

Shipped separately

TS Tenon slipfitter (2-3/8" OD max.)[6]
FCRA Crossarm adapter[6]
FCRA45 Crossarm adapter (45° from horizontal)[6]
EWB Extended wall bracket[6]
MPB29 Mounting pole bracket for 2 fixtures at 90°[7]
MPB39 Mounting pole bracket for 3 fixtures at 90°[7]
MPB49 Mounting pole bracket for 4 fixtures at 90°[7]

Options/accessories

Installed

LPI Lamp included
L/LP Less lamp
SF Single fuse, 120V, 277V, 347V (n/a TB)
DF Double fuse, 208V, 240V, 480V (n/a TB)
PER NEMA twist-lock receptacle only[11]
CSA CSA Certified
QRS Quartz restrike[8,9]
SCWA Super CWA pulse start ballast (n/a HPS)

Shipped separately

UV Upper visor
SC Shorting cap for PER option
PE1 NEMA twist-lock photocontrol (120V, 208V, 240V)[10]
PE3 NEMA twist-lock photocontrol (347V)[10]
PE4 NEMA twist-lock photocontrol (480V)[10]
PE7 NEMA twist-lock photocontrol (277V)[10]

Indoor remote ballast

HRB HID remote ballast (white)[12]

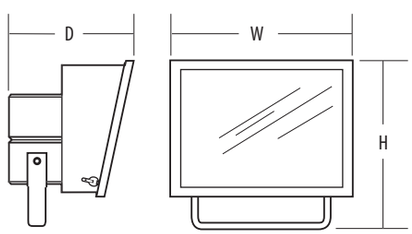
Outdoor remote ballast

HRBW HID remote ballast weatherproof (black)[12]

For optional architectural colors, see page 543.

Lamp/fixture data

Wattage	Dist.	Ballast	Lamp type	Beam spread H°xV°	NEMA dist.
High pressure sodium					
250	HPN	CWA	ET18	128x55	6x4
400	HPN	CWA	ET18	129x52	6x4
750	HPN	CWA	BT37	133x57	7x4
1000	HPN	CWA	E25	132x56	7x4
Metal halide					
400	HPN	CWA	BT37	139x68	7x4
1000	HPN	CWA	BT37	138x63	7x4



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA:	2.7 ft² (.25 m²)
Width:	21 (53.3)
Height:	20-1/2 (52.1)
Depth:	19-1/4 (48.9)
Max. weight:	83 lbs (37.6 kg)

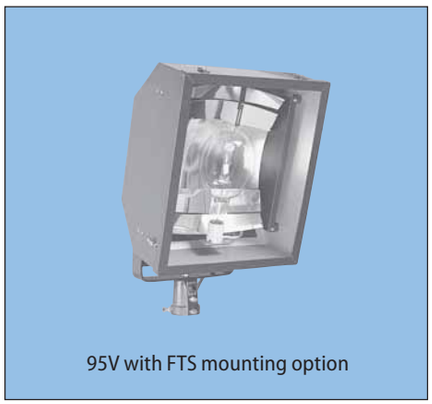
NOTES:

1 Must be ordered with SCWA.
2 May be ordered with SCWA.
3 Requires a BT-37 reduced jacket lamp.
4 Consult factory for availability in Canada.
5 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
6 For use with YK mounting (standard) only.
7 MPB bracket ships separately with junction box and hinge mechanisms. Bracket weight: 12 lbs.
8 Lamp not included.
9 Quartz lamp wattage not to exceed ballast wattage rating.
10 PER must be ordered with fixture.
11 Photocell not included.
12 Consult factory for availability.

www.lithonia.com, keyword: 170S

High-Performance Floodlight

95



95V with FTS mounting option

Intended Use

For large area facade or monument floodlighting.

Features

Housing – Rugged, heavy-gauge, aluminum housing, horizontal (95) or vertical (95V) lamp orientation. Continuous welded seams, fully gasketed for weathertight integrity. Aluminum door frame secured with four stainless steel latches. Thermal-resistant and shock-resistant tempered flat lens. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder; other architectural colors available. Architectural Class 1 anodize finish also available.

Optics – Segmented anodized aluminum, precisely formed to provide varying rectangular beam patterns (non-rotatable).

Electrical – Constant-wattage autotransformer ballasts, copper wound and 100% factory tested.

Socket – Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated. Uses BT 56 lamp.

Installation – Painted steel yoke complete with vertical angle selector stop, re-aiming, and 3-foot, 14/3 cable is standard.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.

Ordering Information

Example: **95 1000S RMH 120 SF LPI**

Designation

Horizontal housing

High pressure sodium

95 1000S

Metal halide

95 1000M

Vertical housing

High pressure sodium

95V 1000S

Metal halide

95V 1000M

Distribution

Horizontal lamp	Vertical lamp
RMH	**RMV**
RNH[1]	**RNV**[3]
RWH	**RWV**
BPH[2]	**BPV**[2]
SPH[2]	**SPV**[2]

Voltage

120
208[4]
240[4]
277
347
480[4]
TB[5]

Optional mounting

Shipped separately

TS Tenon slipfitter (2-3/8"OD max.)[6]
FCRA Crossarm adapter[6]
FCRA45 Crossarm adapter (45° from horizontal)[6]
EWB Extended wall bracket[6]
AFTM Tenon mount (base mount)[7]

Options/accessories

Installed

SF Single fuse, 120V, 277V, 347V (n/a TB)
DF Double fuse, 208V, 240V, 480V (n/a TB)
PER NEMA twist-lock receptacle only[9]
CSA CSA Certified
LPI Lamp included
L/LP Less lamp

Shipped separately

UV Upper visor
BV Bottom visor
FV Full visor (4-sided)
GV Glare visor (3-sided)
CV Concentric visor
VG Vandal guard
SC Shorting cap for PER option
PE1 NEMA twist-lock photocontrol (120V, 208V, 240V)[8]
PE3 NEMA twist-lock photocontrol (347V)[8]
PE4 NEMA twist-lock photocontrol (480V)[8]
PE7 NEMA twist-lock photocontrol (277V)[8]

Indoor remote ballast

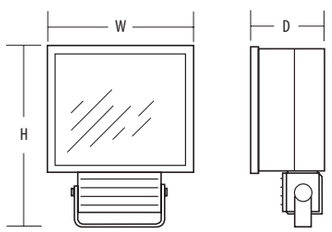
HRB HID remote ballast (white)[10]

Outdoor remote ballast

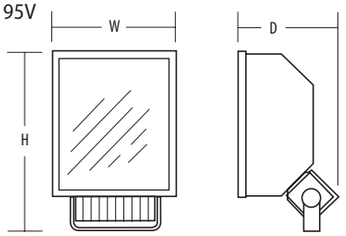
HRBW HID remote ballast weatherproof (black)[10]

For optional architectural colors, see page 543.

95



95V



Distribution Data				
	95V		**95**	
Distribution	*1000M*	*1000S*	*1000M*	*1000S*
RMH	4x1	5x2	3x5	6x6
RNH	3x1	–	3x3	5x6
RWH	5x1	5x1	3x5	6x6
BPH	–	–	4x5	6x6
SPH	2x1	4x1	–	–
RMV	5x3	6x6	1x4	2x5
RNV	3x3	6x5	1x3	–
RWV	5x4	6x6	1x4	1x5
BPV	5x4	6x6	–	–
SPV	–	–	1x2	1x4

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	95	*95V*
EPA:	4.7 ft² (.44 m²)	4.3 ft² (.40 m²)
Width:	24-1/2(62.5)	21(53.5)
Height:	30(77)	30(77)
Depth:	12-1/2(31.8)	18-1/8(46)
Max. weight:	90 lbs (40.7 kg)	90 lbs (40.7 kg)

NOTES:

1 Not available with 95 1000S.
2 BPH and SPV for use with 95V only. SPH and BPV for use with 95 only.
3 Not available with 95V 1000S.
4 Consult factory for availability in Canada.
5 Multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
6 For use with YK mounting (standard) only.
7 For use with TS option only.
8 PER must be ordered with fixture.
9 Photocell not included.
10 Consult factory for availability.

55

Intended Use

For large area facade or monument floodlighting.

Features

Housing – Rugged, heavy-gauge, aluminum housing, horizontal (55) or vertical lamp (55V) orientation. Continuous welded seams, fully gasketed for weathertight integrity. Aluminum door frame secured with four stainless steel latches. Thermal-resistant, tempered flat lens. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Architectural class 1 anodize finish also available.

Optics – Anodized aluminum reflector. Seven distributions available to provide varying rectangular beam patterns (non-rotatable).

Electrical – Constant-wattage autotransformer ballasts, copper wound and 100% factory tested.

Socket – Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated.

Installation – Painted, steel yoke complete with angle selector, aiming stop, and 3-foot, 14/3 cable is standard.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.



Shown with FTS mounting option.

Ordering Information

Example: **55 750S RPN 120 SF LPI**

Designation

Horizontal housing & lamp

High pressure sodium

55 750S
55 1000S

Metal halide

55 320M[1]
55 350M[1]
55 400M[2]
55 1000M[2]

Vertical housing & lamp

High pressure sodium

55V 750S
55V 1000S

Metal halide

55V 320M[1]
55V 350M[1]
55V 400M[2]
55V 1000M[2]

Distribution

RME[3]
RNE[3]
RPN[3]
RWE[3]
RNA[4]
RMA[4]
RWA[4]

Voltage

120
208[5]
240[5]
277
347
480[5]
TB[6]

Optional mounting

Shipped separately

TS Tenon slipfitter (2-3/8"OD max.)[7]
FCRA Crossarm adapter[7]
FCRA45 Crossarm adapter (45° from horizontal)[7]
EWB Extended wall bracket[7]
AFTM Tenon mount (base mount)[8]

Options/accessories

Installed

SF Single fuse, 120V, 277V, 347V (n/a TB)
DF Double fuse, 208V, 240V, 480V (n/a TB)
PER NEMA twist-lock receptacle only[12]
CSA CSA Certified
LPI Lamp included
L/LP Less lamp
QRS Quartz restrike[9,10]
SCWA Super CWA pulse start ballast (n/a HPS)

Shipped separately

UV Upper visor
BV Bottom visor
FV Full visor (4-sided)
GV Glare visor (3-sided)
VG Vandal guard
SC Shorting cap for PER option
PE1 NEMA twist-lock photocontrol (120V, 208V, 240V)[11]
PE3 NEMA twist-lock photocontrol (347V)[11]
PE4 NEMA twist-lock photocontrol (480V)[11]
PE7 NEMA twist-lock photocontrol (277V)[11]

Indoor remote ballast

HRB HID remote ballast (white)[13]

Outdoor remote ballast

HRBW HID remote ballast weatherproof (black)[13]

For optional architectural colors, see page 543.

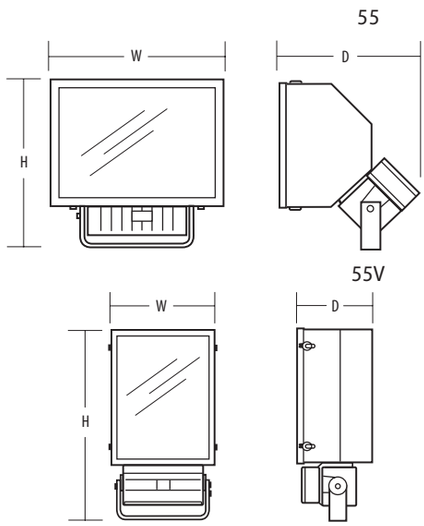
NOTES:

1 Must be ordered with SCWA.
2 May be ordered with SCWA.
3 RME, RNE, RPN, RWE require reduced jacket BT-37 lamp with 1000M.
4 RMA, RNA, RWA are for use with 1000M only and require standard BT-56 lamp.
5 Consult factory for availability in Canada.
6 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
7 For use with YK mounting (standard) only.
8 For use with TS option only, (TS included).
9 Lamp not included.
10 Quartz lamp wattage not to exceed ballast wattage rating.
11 PER must be ordered with fixture.
12 Photocell not included.
13 Consult factory for availability.

Distribution Data						
	55			55V		
Distribution	*1000M*	*400M*	*1000S*	*1000M*	*400M*	*1000S*
RME	6x5	6x5	6x5	4x6	5x6	5x6
RNE	6x4	6x4	6x4	4x6	4x6	4x6
RPN	6x2	6x2	5x1	1x6	1x6	1x5
RWE	6x5	6x5	6x5	5x6	5x6	5x6
RNA	5x1	–	–	1x5	–	–
RMA	6x6	–	–	6x6	–	–
RWA	6x5	–	–	6x7	–	–

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	55	*55V*
EPA:	3.5 ft² (.33 m²)	3.8 ft² (.35 m²)
Width;	23-1/4(59.1)	17-3/8(44.1)
Height:	23(58.4)	33(83.8)
Depth:	14-1/2(36.8)	12-5/8(32.1)
Max. weight:	91 lbs (41.2 kg)	98 lbs (44.3 kg)



www.lithonia.com, keyword: 55

LITHONIA LIGHTING

Hazardous Location Large Floodlights

HFA/HFL



Intended Use

For general to heavy industrial applications, including Class 1, Division 2 classified hazardous locations, marine and corrosive environments or wherever excessive vibration and dirt may exist.

Features

Housing – NEMA heavy-duty constructed housing. Die-cast copper-free (<.4%) aluminum housing with round corners and front bezel. Front bezel is removable via position-oriented hinge-cam design. Lens is thermal and shock-resistant, clear tempered glass with no metal-to-glass contact. Hardware is corrosion-resistant. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics – Computer-designed, precision formed reflectors for high performance and efficency. Premium one-piece silicone gasket seals optical chamber to inhibit entrance of contaminants. HFL 400W metal halide requires an ED28 reduced jacketed lamp.

Electrical – Ballast is HPF constant-wattage autotransformer, copper wound and 100% factory tested. Electrical components are mounted to cast aluminum housing, promoting maximum heat dissipation. Accesible through front bezel.

Socket – Porcelain, horizontally oriented mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation – HFA: front bezel is latched for easy tool-less internal access to optical and electrical compartments. Corrosion-resistant, heavy-duty, painted steel mounting yoke. Three-quarter-inch female threaded conduit hub provided.

Listings

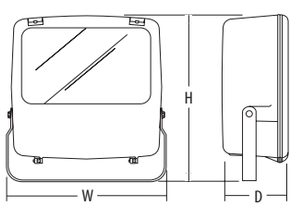
UL Listed (standard). CSA Certified (see Options). UL Listed Class 1, Division 2, Groups A, B, C, and D for hazardous locations. UL Listed for marine outside locations. IP65 rated.

Ordering Information

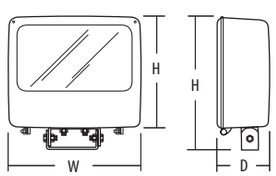
Example: **HFA 400M TA 120 LPI**

Designation		Distribution	Voltage	Options	
High pressure sodium		HFA	**120**	Installed	
HFA	**250S**	**TA** (7x7)	**208**[2]	**CR**	Enhanced corrosion resistance
HFA	**400S**	**RN** (6x3)	**240**[2]	**CRT**	Non-stick protective coating[4]
HFL	**400S**	HFL	**277**	**LPI**	Lamp included
Metal halide		**RA2** (7x6)	**347**	**L/LP**	Less lamp
HFA	**250M**		**480**[2]	**TP**	Tamperproof latches (HFA only)
HFA	**400M**		**TB**[3]	**CSA**	CSA Certified
HFL	**400M**[1]			For optional architectural colors, see page 543.	

HFA



HFL



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	HFA	*HFL*
EPA:	2.6 ft² (.24 m²)	1.3 ft² (.12 m²)
Width:	23-3/4 (60.3)	15-3/4 (40.0)
Depth:	9-3/4 (24.8)	6-1/8 (15.5)
Overall height:	24 (61) (includes yoke)	16-1/8 (40.9) (includes yoke)
Weight:	65 lbs (29.5 kg)	27 lbs (12.3 kg)

NOTES:

1 Must use reduced jacket ED-28 lamp.
2 Consult factory for availability in Canada.
3 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
4 Black finish only.

Temperature Codes			
Description	Wattage	T-Code or temp.	Max. internal temp.
HFA	250M	T1	336°C
HFA	400M	T1	343°C
HFA	250S	T1	301°C
HFA	400S	T1	352°C
HFL	400M	T1	433°C
HFL	400S	T1	426°C

HFR/HFM



Intended Use

For general to heavy industrial applications, including Class 1, Division 2 classified hazardous locations, marine and corrosive environments, or where excessive vibration and dirt may exist.

Features

Housing – NEMA heavy-duty constructed housing. Die-cast copper-free (<.4%) aluminum housing with rounded corners and front bezel. Front bezel is removable via position-oriented hinge-cam design. Lens is thermal and shock-resistant, clear tempered glass with no metal-to-glass contact. Hardware is corrosion resistant. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics – Computer-designed, precision-formed reflector for high performance and efficiency. Premium one-piece silicone gasket seals optical chamber to inhibit entrance of outside contaminants. **HFR: Does not require use of reduced-size lamp.**

Electrical – Ballast is high power factor, high reactance (HFR 150S; HFM 100S and 150S) or constant wattage autotransformer (HFR 250W-400W; HFM 175M) and 100% factory tested. Electrical components mounted to cast aluminum housing, promoting maximum heat dissipation. Accessible through front bezel.

Socket – Porcelain, horizontally oriented mogul-base (HFR) or medium-base (HFM) socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation – Corrosion-resistant, heavy-duty, painted steel mounting yoke. Three-quarter-inch female threaded conduit hub provided.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed, Class 1, Division 2, Groups A, B, C, and D for hazardous locations. UL Listed for marine outside locations. IP65 rated.

Ordering Information

Example: **HFR 400M TA 120 LPI**

Designation		Distribution	Voltage	Options	
High pressure sodium		HFR	**120**	Installed	
HFR	**150S**	**TA** (7x6)	**208**[1]	**CR**	Enhanced corrosion resistance
HFR	**250S**	**RB** (6x6)	**240**[1]	**CRT**	Non-stick protective coating[4]
HFR	**400S**	**RC** (5x5)	**277**	**LPI**	Lamp included
HFM	**100S**	**347**		**L/LP**	Less lamp
HFM	**150S**	**RB** (6x6)	**480**[2]	**TP**	Tamperproof latches (HFA only)
Metal halide		**RG** (3x3)	**TB**[3]	**CSA**	CSA Certified
HFR	**250M**			For optional architectural colors, see page 543.	
HFR	**400M**				
HFM	**175M**				

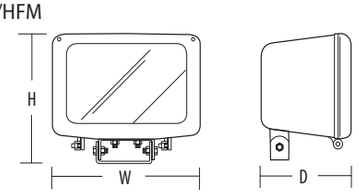
NOTES:
1 Consult factory for availability in Canada.
2 Not available in Canada.
3 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
4 Black finish only.

Temperature Codes			
Description	Wattage	T-Code or temp.	Max. Internal temp.
HFR	250M	T1	347°C
HFR	400M	T1	359°C
HFR	150S	T2B	238°C
HFR	250S	T1	332°C
HFR	400S	T1	376°C
HFM	175M	T1	402°C
HFM	100S	280	280°C
HFM	150S	350	341°C

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	HFR	HFM
EPA:	1.3 ft² (.12 m²)	.5 ft² (.05 m²)
Width:	17-5/8 (44.8)	10-1/2 (26.9)
Depth:	10-3/4 (32.4)	6-3/4 (17.5)
Height:	13 (33.0) (includes yoke)	10-1/2 (26.9) (includes yoke)
Weight:	29 lbs (13.2 kg)	15 lbs (6.8 kg)

HFR/HFM



www.lithonia.com keywords: HFR and HFM

LITHONIA LIGHTING

MSE180 FK
MSQ240 FK



Intended Use

Motion activated security lighting for residential or commercial building perimeters.

Features

Construction – Sensor head is UV stabilized polycarbonate with color matched lens. Lamp holders and sensor can be aimed in the field without the use of tools. Dark bronze (DDB) finish is standard. Optional white (DWH) finish is available.

MSE180 FK – Flood kit lamp holders and mounting plate are die cast aluminum. Metal lamp shields are included in the carton as standard for field installation.

MSQ240 FK – Flood kit has decorative lamp enclosures with die cast/glass construction and is sealed to prevent the intrusion of contaminants. Lamp enclosure cover can be removed without the use of tools. Mounting plate is die cast aluminum.

Sensor Operation – Sensor has one LED indicator to confirm proper operation and deter intruders. Sensor features include dusk-to-dawn operation, power on test mode, manual override, sensitivity and time adjustment. All sensor adjustments can be done without tools.

MSE180FK – Coverage zone is 180° with a detection range up to 60 feet.

MSQ240 FK – Coverage zone is 240° with a detection range up to 70 feet. Adjustable photo control sets the amount of darkness it takes for the motion sensor to activate.

Electrical – Surge protection is built into sensor operation and withstands up to 4000 volts.

MSE180 FK – Up to 300-watt, PAR38 maximum incandescent (150-watt max per socket). 110-120 volt operation.

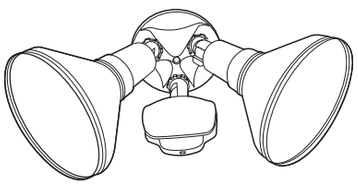
MSQ240 FK – Up to 200-watt, quartz lamps maximum (100-watt max per socket). 110-120 volt operation.

Socket – MSE180 FK – Lamp holders are medium base with a porcelain outer shell. MSQ240 FK – Lamp holders contain 8mm bi-pin sockets.

Installation – Flood kits are for wall or eave mounting. Round mounting plate fits standard 4" round or square outlet boxes. Plate has one additional 1/2" NPT threaded knockout. Center mounted backplate with adjustable crossbar for easy installation. Gasket seals backplate to mounting surface. All mounting hardware included. Sensor will install to any 1/2" standard threaded cover plate.

Listing

UL Listed to US and Canadian safety standards. UL Listed for wet locations.



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	MSE180FK
Width:	8(20.32)
Depth:	5-1/2(13.97)
Height:	7-1/2(19.5)
Weight:	1.6lbs(.725kg)

Ordering Information

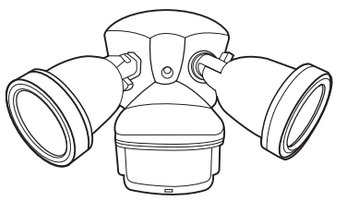
Example: **MSE180 FK I DWH L/LP**

Designation	Wattage	Options	Lamps
MSE180 FK	**I** (300W/PAR38 max.)	(blank) Dark bronze (std.) **DWH** White	**L/LP** Lamp not included

Ordering Information

Example: **MS180 DWH**

Designation	Options
MS180	(blank) Dark bronze (std.) **DWH** White



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	MSQ240FK
Width:	10(25.4)
Depth:	5-1/2(13.97)
Height:	7(17.7)
Weight:	1.6lbs(.725kg)

Ordering Information

Example: **MSQ240 FK 2/100Q DWH LPI**

Designation	Wattage	Options	Lamps
MSQ240 FK	**2/100Q** (200W max.)	(blank) Dark bronze (std.) **DWH** White	**LPI** Lamps included

Ordering Information

Example: **MS240 DWH**

Designation	Options
MS240	(blank) Dark bronze (std.) **DWH** White

MSP270 FK

Intended Use

Motion activated security lighting for residential or commercial building perimeters.

Features

Construction – Flood kit has heavy-duty die-cast aluminum lamp shields and mounting plate. Sensor head is die cast aluminum with color matched lens and protective metal grill. Lamp holders and sensor can be aimed in the field without the use of tools. Dark bronze (DDB) finish is standard. Optional white (DWH) finish is available.

Sensor Operation – Coverage zone is 270° with a detection range up to 100 feet. Sensor has dual LED indicators to confirm proper operation and deter intruders. Sensor features include dusk-to-dawn operation, power on test mode, manual override, sensitivity/time adjustment, internal lens blinder system, solar tracking, dimmer, and adjustable photo control which sets the amount of darkness it takes for the motion sensor to activate. All sensor adjustments can be done without tools and are protected by a covered, recessed control compartment under the sensor.

Electrical – Up to 300-watt, PAR38 maximum incandescent (150-watt max per socket). 110-120 volt operation. Surge protection is built into sensor operation and withstands up to 6000 volts. Sensor has capability of switching alternate sources of up to 1000 watts (including 2 x PAR lamps).

Socket – Lamp holders contain porcelain, medium base sockets.

Installation – Flood kits are for wall or eave mounting. Round mounting plate fits standard 4" round or square outlet boxes. Plate has one additional 1/2" NPT threaded knockout. Center mounted backplate with adjustable crossbar for easy installation. Gasket seals backplate to mounting surface. All mounting hardware included. Sensor will install to any 1/2" standard threaded cover plate.

Listing

UL Listed for wet locations. Listed and labeled to comply with U.S. and Canadian standards.



Ordering Information

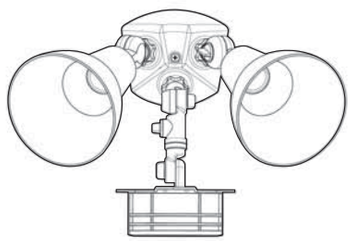
Example: **MSP270 FK I DWH L/LP**

Designation	Wattage	Options	Lamps
MSP270 FK	**I** (300W/PAR38 max.)	(blank) Dark bronze (std.) **DWH** White	**L/LP** Lamp not included

Ordering Information

Example: **MS270 DWH**

Designation	Options
MS270	(blank) Dark bronze (std.) **DWH** White



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

	MSP270FK
Width:	15(38.1)
Depth:	9-1/2(24)
Height:	9(22.9)
Weight:	3.1 lbs (1.4kg)

TSP

Tru-Sport®



Intended Use

For stadiums, fields, arenas, tracks or courts.

Features

Housing – Two-piece, die-cast aluminum ballast housing mounted to steel trunnion. Removable ballast is hinged with captive fastener. Steel trunnion features both vertical and horizontal aiming scale with vertical repositioning stop. Standard finish is white (DWH) corrosion-resistant polyester powder.

Optics – Heavy-gauge anodized reflector with five distributions available. Transverse mounting of lamp. Lamp support included. Optical chamber is sealed to inhibit entrance of contaminants. Heavy-duty hinged lens is thermal-resistant, shock-resistant and impact-resistant tempered glass. Lens frame is secured by spring clips for servicing of lamp. "Flux manager" (NFX, WFX, MFX) available for optimal glare and spill light control. Choice of general purpose or heavy-duty (shrouded) reflectors.

Electrical – All electrical components are thermally isolated from optical assembly, promoting longer life. Ballast is high-power factor, constant-wattage autotransformer, copper wound and 100% factory tested.

Socket – Die-cast socket housing. Porcelain, mogul-base socket with copper alloy, nickel-plated screw shell and spring-loaded center contact. UL Listed 1500W-600V, 4KV pulse rated.

Installation – Fixture is mounted by securing trunnion directly to crossarm. Mounting hardware is provided. Below horizontal aiming only. All external hardware is treated for corrosion resistance.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations. US Patent no. 6,190,023. Canadian patent no. 2,212,014. Other patent pending.

Ordering Information

Example: **TSP 1500M GP24N 120 SF**

Designation

Metal halide

TSP 400M[1]
TSP 1000M[1]
TSP 1500M

Distribution

General purpose

GP24N
GP24NFX
GP24M
GP24MFX
GP24W
GP24WFX

Heavy duty[2]

HD24N
HD24NFX
HD24M
HD24MFX
HD24W
HD24WFX

Voltage

120
208[3]
240[3]
277
347
480[3]
TB[4]

Options/accessories

Installed

SF Single fuse, 120V, 277V, 347V (n/a TB)
DF Double fuse, 208V, 240V, 480V (n/a TB)
QRS Quartz restrike system (lamp not included)
C62 2 ft. of 16/3 cable pre-wired
C42 2 ft. of 14/3 cable pre-wired
C22 2 ft. of 12/3 cable pre-wired
CV3P 3 ft. of 16/3 cord pre-wired with 3-prong plug (use with prewired cages and crossarms)[5,6]
CR Enhanced corrosion resistance
CF Charcoal filter (heavy-duty only)[7]
SLR Stainless steel lens ring
WC Wood crossarm mounting bolt (5/8"-11 UNC x 7")
SCWA Super CWA pulse start ballast (400M and 1000M only)
CSA CSA Certified
PER NEMA twist lock receptacle only, not intregral but remote (no photocell, 400M and 1000M only)

Shipped separately

FTS Tenon slipfitter
PE1 NEMA twist-lock photocontrol (120V, 208V, 240V)[8]
PE3 NEMA twist-lock photocontrol (347V)[8]
PE4 NEMA twist-lock photocontrol (480V)[8]
PE7 NEMA twist-lock photocontrol (277V)[8]
SC Shorting cap

Indoor remote ballast

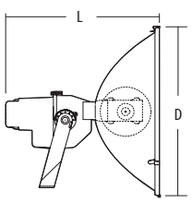
HRB HID remote ballast (white)[9]

Outdoor remote ballast

HRBW HID remote ballast weatherproof (black)[9]

For optional architectural colors, see page 543.

NOTES:
1 May be ordered with SCWA.
2 Heavy-duty anodized aluminum shroud.
3 Consult factory for availability in Canada.
4 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
5 Must use mating receptacle, provided by others.
6 Not available 1500M, 120V.
7 HD option must be ordered.
8 PER must be ordered with fixture.
9 Consult factory for availability.



Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA: 3.3 ft² (.91 m²)
Width: 24-1/2 (62.2)
Height: 20 (50.8)
Max. weight: 55 lbs (24.9 kg)

TV

Intended Use

Ideal for recreational or competitive sports fields, parking areas and industrial yards.

Features

Housing – Heavy-gauge, hydroformed aluminum ballast housing mounted to integral die-cast monoframe with horizontal degree aiming scale and repositioning locator. Die-cast aluminum socket housing provides vertical aiming adjustment with degree aiming scale and repositioning stop.

Optics – Heavy-gauge anodized aluminum reflectors provide a range of NEMA beam spreads. Optical chamber sealed to inhibit entrance of contaminants. Hinged lens is heavy-duty, thermal-, shock- and impact-resistant tempered glass.

Electrical – All electrical components contained in ballast housing, which is isolated thermally from socket housing and optical assembly, promoting longer ballast life. Ballast is high-power factor, constant-wattage autotransformer, copper wound and 100% factory tested.

Socket – Porcelain, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V.

Installation – Mounted by securing integral crossarm mounting bracket directly to cross arm 5/8" x 11UNC mounting bolt provided. Exposed bolt length: 1-1/2".

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations.



Ordering Information

Example: **TV 1500M GP4 TB**

Designation		Distribution[1]	Voltage
High pressure sodium		**GP2**[2]	**120**
TV	**400S**	**GP3**[2]	**208**[4]
TV	**1000S**	**GP4**[3]	**240**[4]
Metal halide		**GP5**[3]	**277**
TV	**400M**	**GP6**	**347**
TV	**1000M**		**480**[4]
TV	**1500M**		**TB**[5]

Options/accessories

Installed

- **SF** Single fuse, 120V, 277V (n/a TB or 347V)
- **DF** Double fuse, 208V, 240V, 480V (n/a TB)
- **PER** NEMA twist-lock receptacle only, no photocell
- **QRS** Quartz restrike system (lamp not included)
- **LS** Lamp support
- **C62** 2 ft. of 16-3 cord pre-wired
- **C42** 2 ft. of 14-3 cord pre-wired
- **C22** 2 ft. of 12-3 cord pre-wired
- **CV3P** 3 ft. of 16-3 cord pre-wired with 3-prong plug for use with pre-wired cages and crossarms[6]
- **AH** Above horizontal aiming
- **CR** Enhanced corrosion resistance
- **CF** Charcoal filter (for use with heavy-duty shroud only)
- **SLR** Stainless steel lens ring
- **WC** Wood crossarm mounting bolt
- **SCWA** Super CWA pulse start ballast (400M only)
- **IBL** Internal bottom louver
- **CSA** CSA Certified
- **NOM** NOM Certified (consult factory)

Shipped separately[7]

- **PE1** NEMA twist-lock photocontrol (120V, 208V, 240V)[8]
- **PE3** NEMA twist-lock photocontrol (347V)[8]
- **PE4** NEMA twist-lock photocontrol (480V)[8]
- **PE7** NEMA twist-lock photocontrol (277V)[8]
- **SC** Shorting cap
- **UV** Upper visor
- **FTS** Tenon slipfitter

For optional architectural colors, see page 543.

NOTES:

1. To order heavy-duty aluminum shroud, change GP to HD in catalog number. Example: TV 400S HD2.
2. Not available with 1000S or 1000H.
3. Not available with 1000H.
4. Consult factory for availability in Canada.
5. Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
6. Must use mating receptacle, provided by others (n/a 1500M 120V).
7. May be ordered as accessory.
8. PER must be ordered with fixture.

ORDERING/PACKAGING OPTIONS

To accommodate the product's physical configuration as well as a range of customer handling and processing needs, alternative ordering/packaging methods are available.
Example:

(Qty 21) **TV 1500M GP4 TB** sportslighters can be ordered/packaged as:

1) *Standard* Packaging (Optimized form)
To order, use single catalog number shown in example above. Fixtures ship as multiple components using *optimized* packaging. Example ships as:

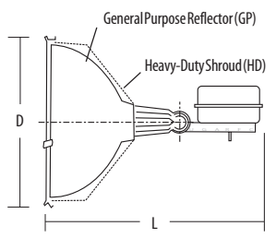
(Qty 21) **TV 1500M N4 TB HSG** (21 cartons of 1 housing)
(Qty 20) **GP20A J4** (5 cartons of 4 reflectors)
(Qty 1) **GP20A U** (1 carton of 1 reflector)

2) *Component* Packaging
Housings ship in unit cartons.
Example:

(Qty 21) **TV 1500M N4 TB HSG** (21 cartons of 1 housing)
Reflectors ship in multiples of:
(Qty 20) **GP20A J4** (5 cartons of 4 reflectors)
(Qty 1) **GP20A U** (1 carton of 1 reflector)

Dimensions are shown in **inches (centimeters)** unless otherwise noted.

EPA:	NEMA 2,3:	2.9 ft.^{2} (.27 m^2)
	NEMA 4,5,6:	2.5 ft.^{2} (.23 m^2)
Diameter:	NEMA 2,3:	23-1/8 (58.7)
	NEMA 4,5,6:	21-1/2 (54.6)
Length:	NEMA 2,3:	30 (76.2)
	NEMA 4,5,6:	31-1/2 (80)



Options and Accessories

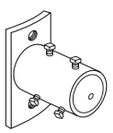
■ = Available as an option, shipped installed ❑ = Available as an accessory, shipped separately		AS	KSE	KSF	KAD	KAC	KVE	KVR	KVS	KAR	KKS	KKR	KVF
DA12P	Degree mounting arm. 30° max. uptilt in 5° increments. Single or twin 180° config. for KVS.		❑	❑					❑				
DA12WB	Degree arm for wall. 30° max. uptilt in 5° incr. Single or twin 180° config. for KVS.		❑	❑					❑				
DAD12P	Degree mounting arm. 30° max. uptilt, 5° incr.				❑	❑				❑			
DAD12WB	Degree arm for wall. 30° max. uptilt, 5° incr.				❑	❑				❑			
HS	House-side shield (consult factory)	■	❑	❑	❑		■	■	❑	■			❑
KMA	Mast arm mounting for area lighting, 6" min. arm length. Use for 2-3/8" OD pipe.	❑	❑	❑	❑	❑			❑[1]	❑			❑
KTMB	Twin mounting bar square mounting arms. (EPA=1.1, wt.=41lbs) Mounts on T25 (2-7/8" OD tenon by 5" tall minimum).		❑	❑	❑	❑			❑	❑			❑
MA	Master arm for single/twin 180° configuration, internal fitter (Size 3 only).								■				
MB	Mounting bracket. Use size 1 housing with KSF, KSE.		❑	❑									
PT4	Post-top (4" OD open-top pole).						■	■					■
PT45	Post-top (4-1/2" OD open-top pole).						■	■					■
PT5	Post-top (5" OD open-top pole).						■	■					■
PT6	Post-top. Must use with round pole only for KVR (6" OD open-top pole).						■	■					
RP<u>x</u>	Round pole mounting arm.	■	■	■	■	■	■	■	■	■			■
RPF20	Round pole fitter (2-3/8" OD tenon).						❑	❑	❑				❑
RPF25	Round pole fitter (2-7/8" OD tenon).						❑	❑	❑				❑

Notes:

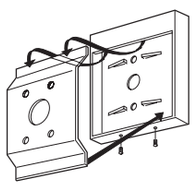
1 Size one housing only.

For arm and/or bracket lengths, see product specification sheet or specific product page in this catalog.

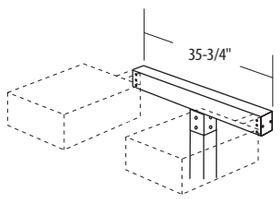
KMA



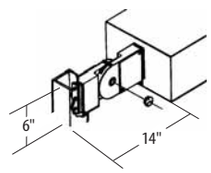
MB



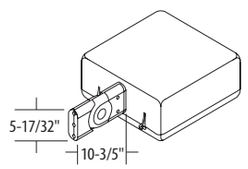
KTMB



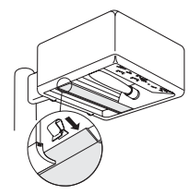
DA12P



DAD12P



HS – KAD

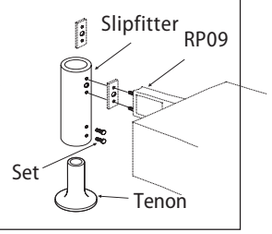


Tenon Slipfitters for Arm-Mounted Luminaires

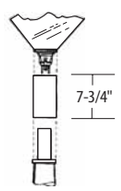
Use with all arm-mounted luminaires. When ordered, fixture must include round pole arm (RP**x**) or pole degree aiming arm (DA12P or DAD12P). To order, locate catalog number from chart below based on tenon size and mounting configuration. Example: For 3 fixtures at 120°, using a 2-7/8" tenon, catalog number is **T 25-320**. Shipped separately. Order as separate catalog numbers. **For Aeris™ fixture specify AS. Example: AS T20-190.**

Tenon OD	1 fixture	2 fixtures at 180°	2 fixtures at 90°	3 fixtures at 120°	3 fixtures at 190°	4 fixtures at 90°
2-3/8"	**T 20-190**	**T 20-280**	**T 20-290***	**T 20-320***	**T 20-390***	**T 20-490***
2-7/8"	**T 25-190**	**T 25-280**	**T 25-290***	**T 25-320***	**T 25-390***	**T 25-490***
4"	**T 35-190**	**T 35-280**	**T 35-290***	**T 35-320**	**T 35-390***	**T 35-490***

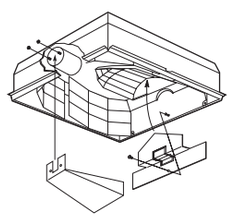
*See product page for size restrictions.



Tenon Slipfitter for KK Series



HS – KSF

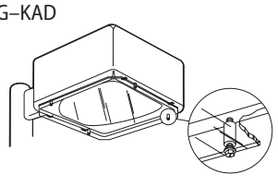


■ = Available as an option, shipped installed ❑ = Available as an accessory, shipped separately		AS	KSE	KSF	KAD	KAC	KVE	KVR	KVS	KAR	KKS	KKR	KVF
SM	Side mount assembly. One per luminaire.									❑	❑		
SP__	Square pole mounting arm. Use 9" arm for two at 90°.	■	■	■	■	■	■	■	■	■			■
SPF20	Square pole fitter (2-3/8" OD tenon).						❑	❑					❑
SPF25	Square pole fitter (2-7/8" OD tenon).						❑	❑					❑
T20	Tenon slipfitter (for 2" pipe tenon 2-3/8" OD).										❑	❑	
T25	Tenon slipfitter (for 2-1/2" pipe tenon 2-7/8" OD).											❑	
VG[3]	Vandal guard.	■	❑	❑	❑	❑[1]		❑[4]	❑[2]	❑			❑
WBx	Wall mount for J-box. (Aeris™ only order WBA.)	■	■	■	■	■	■	❑		■			■
WM	Wall mount. 16" arm is used with a wall plate.										❑	❑	
WWx	Wall for conduit stub 9" or 12".		■	■	■	■	■	■	■	■			■

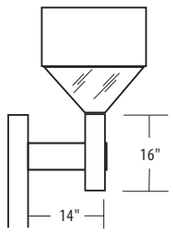
NOTES:
1 Only available with FP option.
2 Only available in KVS1 (R2, R3 and R4).
3 Specify family as prefix when ordering as a separate line item.
4 KVR2 only (n/a KVR3).

For arm and/or bracket lengths, see product specification sheet or specific product page in this catalog.

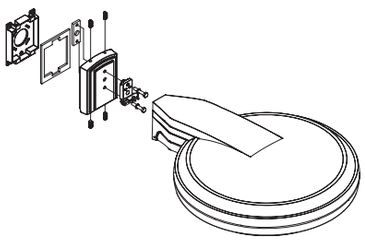
VG–KAD



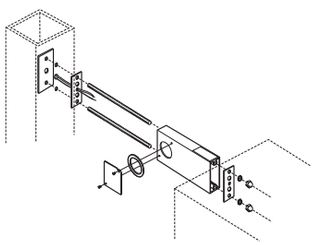
SM/WM



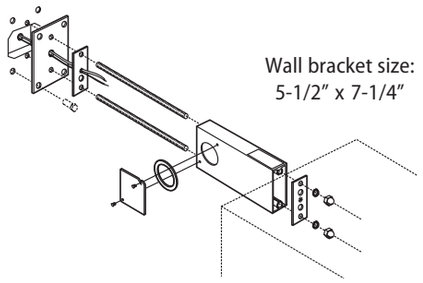
WBA



SPx/RPx



WBx



Mounting bolts (4) by others. Minimum fastener size is 1/2" diameter.

Options and Accessories

Outdoor HID Electrical Options (shipped installed)

SF Single fuse. Use with 120V, 277V, 347V. Not available for multi-tap or multi-volt ballast. In-line, time-delay type fusing isolates faulty luminaire from circuit fusing.

DF Double fuse. Use with 208V, 240V, 480V. Not available for multi-tap or multi-volt ballast. In-line, time-delay type fusing isolates faulty luminaire from circuit fusing.

GMF Internal slow-blow fusing for compact fluorescent. Not available for multi-tap or multi-volt ballast. In-line, time delay type fusing isolates faulty luminaire from circuit fusing.

PE Photoelectric cell (button-type). Not available for multi-tap ballast or 480V.

PER NEMA twist-lock photocontrol receptacle. Photocontrol not included.

LS Lamp support. Mogul-base socket only.

KW1 120V AC control relay for Kilo-Watch dual-level system. 50% power reduction.

KW4 277V AC control relay for Kilo-Watch dual-level system. 50% power reduction.

DS Dual switching. Two lamps/two ballasts. Requires two separate power inputs so each lamp/ballast combo operates as separate system.

LPI Lamp included and ships in carton with fixture.

LPIC Coated lamp included and ships in carton with fixture.

LP Lamp factory installed in fixture socket.

L/LP Less lamp. Lamp is not included or shipped with fixture.

C22 12-3 cord (2' prewired).[1]

C42 14-3 cord (2' prewired).[1]

C62 16-3 cord (2' prewired).[1]

CV3P 3 ft. of 16-3 cord pre-wired with 3-prong plug for use with prewired cages and crossarms. Must use matching receptacle, provided by others. Not available with 1500W-120V.[1]

DC12 Auxiliary emergency circuit for MR11 35-watt maximum double-contact, bayonet-based lamp, contains socket with leads for use with separate external 12 volt emergency power source (provided by others). Factory installed only. Lamp included and installed at factory (MR11 DC bayonet-base).

2DC12 Auxiliary emergency circuit for (2) MR11 35-watt maximum double-contact, bayonet-based lamp, contains socket with leads for use with separate external 12 volt emergency power source (provided by others). Factory installed only. Two lamps included and installed at factory (MR11 DC bayonet-base).

DC2012 Auxiliary emergency circuit for (1) MR11 20-watt maximum double-contact, bayonet-based lamp, contains socket with leads for use with separate external 12 volt emergency source (provided by others). Factory installed only. Lamp included and installed at factory (MR11 DC bayonet-base).

2DC2012 Auxiliary emergency circuit for (2) MR11 20-watt maximum double-contact, bayonet-based lamp, contains socket with leads for use with separate external 12 volt emergency source (provided by others). Factory installed only. Two lamps included and installed at factory (MR11 DC bayonet-base).

EC Emergency circuit. Double-contact, bayonet-base quartz socket with socket leads for use with separate external emergency power system.

ELDW Integral emergency battery system for compact fluorescent units.

ELDWC Cold weather integral emergency battery system for compact fluorescent units (-20°C to 55°C operation).

ELDWR Remote battery pack (by others) ready for compact fluorescent lamps. Battery pack by others mounted external to luminaire. Pilot light/test switch mounting plate included. Consult factory for availability.

QRS Quartz restrike system. Activates when power interruption causes HID lamps to drop out. Deactivates when fixture restrikes. QRS does not energize during cold start of fixture. Wattage of quartz lamp should not exceed that of HID source. For 100W and below, use 100W DC bayonet-base lamp.

QRSTD Quartz restrike time delay. Functions as does QRS, but quartz lamp energizes under hot and cold starting conditions. Quartz lamp will come on when luminaire is energized and remain on for two minutes after restrike.

NL Incandescent night light, 7W maximum. Lamp included.

NLCF Compact fluorescent night-light, 9W maximum. Lamp included.

OPS Open plug-in starter.

ENP Encapsulated plug-in starter.

ENX External encapsulated plug-in starter.

T2P Terminal block-two position wired L1, L2.

T3P Terminal block-two position wired L1, N, L2.

LSA Single lighting surge arrestor.

PSS Protected automatic shutoff.

PD Power door (ballast tray).

L/DLD Less docking station.

2/1 Two lamps/one ballast. Requires one power input for system.

ADCF Advance electronic fluorescent ballast. Requires 4-pin lamp (120V or 277V only).

MOTCF Osram Sylvania electronic fluorescent ballast. Requires 4-pin lamp (120V or 277V only).

TUBCF Universal Lighting Technologies electronic fluorescent ballast.

ADEZ Advance Mark 10® electronic line voltage control dimming ballast (120V or 277V; 26/DTT, 26TRT and 32TRT).

DMHL Lutron Hi-Lume® electronic 3-wire line voltage control dimming ballast (120V or 277V; 26/DTT, 26TRT and 32TRT).

NOTES:

1 For other cord lengths and cord ratings consult factory.

Not all options are available with all fixtures. See product pages for details.

Outdoor HID Electrical Options (shipped installed)

PE1 NEMA twist-lock photocontrol, (120V, 208V, 240V).

PE3 NEMA twist-lock photocontrol, (347V).

PE4 NEMA twist-lock photocontrol, (480V).

PE7 NEMA twist-lock photocontrol, (277V).

PEU NEMA twist-lock PE included per voltage specified.

SC Shorting cap for PER. Ships as SC U.

HRB HID remote ballast for Indoor use where quiet performance is required or ballast must be mounted remotely from luminaire. White finish is standard.

HRBW HID remote ballast for outdoor use. Designed for remote pole or ground mounting applications. Black finish is standard.

FG Festoon outlet. Duplex ground fault receptacle. Cast box.

VGRDS Gateway® decorative shroud for round deep units. Attaches to cast housing to cover conduit entry holes. Can be ordered as an option or an accessory (Example: VGRDS DWHG).

Outdoor HID Options (shipped installed)

CF Charcoal filter.

HSS Stainless steel external hardware.

TLS Tool-less entry.

NML NEMA label.

DPL Distribution pattern indicator level.

HKP Hinge keeper.

BLV Bubble level.

TRS Stainless steel Torx® T20 tamper-resistant screws with center reject pin.

NOTES: Not all options are available with all fixtures. See product pages for details.

Architectural Colors

Powder finish. Add designation as suffix to catalog number. Additional architectural colors are available. See Architectural Colors brochure on www.lithonia.com.

*For color and finish standards and availability by product, please see individual product specification pages.

Standard colors

DDB Dark bronze
DBL Black
DWH White

Textured colors

DDBT Dark bronze
DSST Sandstone
DNAT Natural aluminum
DWHG White
DBLB Black
DBNH Bronze
DSPD Dark gray
DSPJ Light gray
DSPE Green
DSPG Dark red
DSPF Rust
DSPH Red

Classic colors

DMB Medium bronze
DNA Natural aluminum
DGC Charcoal gray
DSS Sandstone
DSB Steel blue
DTG Tennis green
DBR Bright red

Fixture finishes

ADB Anodized dark bronze. Architectural Class 1.
CR Enhanced corrosion resistance for additional protection against some corrosive atmospheres. Consult factory for corrosive compatibility.
CRT Non-stick protective coating (black finish only)

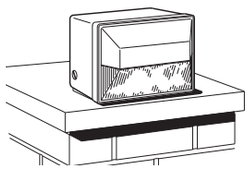
Site Lighting and Building Mounted Lighting

■ = Available as an option, shipped installed
❑ = Available as an accessory, shipped separately

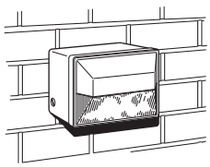
		ASB	ASW	KBA	KBC	KBD	KBE	KBR	KBS	KL	TWH	TWP	TWA/ TWAC	TWR	TWRC	TWS	WFL	WSR/WST WSQ	VGR/ VGO
BBF	Backbox for flat surfaces.									■									
BBR	Backbox, recessed (ceiling, soffit mount).									■									
BBS	Backbox for stud wall construction.									■									
BBW[1]	Backbox for surface wall installation.		❑							■							❑	❑	
FS	Full shield for IES cutoff.										■	■							
FCV	Full cutoff visor.														❑				
PC	Polycarbonate lens.	■		■	■	■	■	■	■	❑		❑	❑			❑			
R6S/R8S	Half-shield, not for use with louvered bollards.			❑	❑	❑		❑											
S6S/S8S	Half-shield, not for use with louvered bollards.	❑					❑		❑										
WG[1]	Wireguard.		❑								❑	❑	❑	❑	❑	❑	❑	❑	
VG[1]	Vandal guard.		❑								❑						❑	❑	
UT5	Uptilt 5 degrees.																	❑	
DFL	Diffusing lens.																	■	
WLU	Wet location door for up orientation.																	■	
IBS	Internal backlight shield.																	■	
LC90	Lock at 90° for full cutoff.																■		
UCS	Uplight component shield for WSR, inverted orientation with FTU or WTU distribution.																	■	
HS	House-side shield for SR2,SR3 or SR4W (size 2).		■																
TRS	Stainless steel Torx® T20 tamper-resistant screws with center reject pin.																		■
VGRDS[2]	Gateway decorative shroud for round deep units. Attaches to cast housing to cover conduit entry holes. Can be ordered as an option or as an accessory (Example: VGRDS DWHG).																		❑

NOTES:
1 Specify family prefix.
2 Available with deep VGR only.

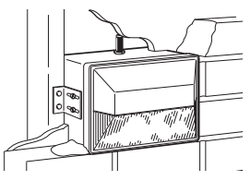
KLBBF



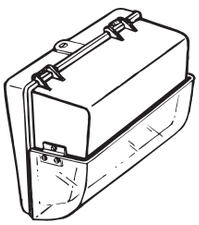
KLBBW



KLBBS



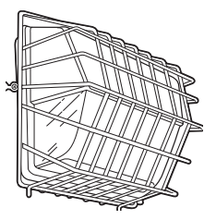
TWHVG



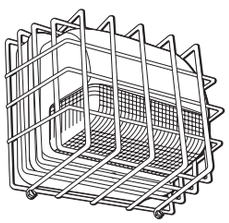
TWHWG



TWPWG



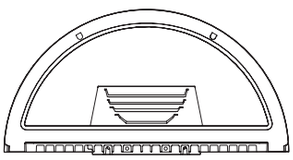
TWAWG



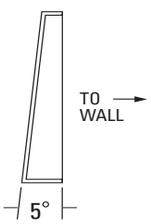
TWRCFCV
NEW



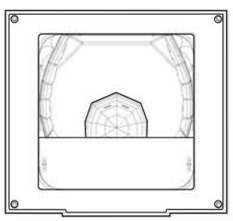
IBS



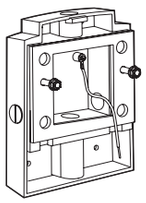
UT5



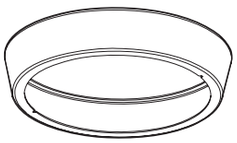
HS
NEW



ASWxBBW
NEW



VGRDS
NEW

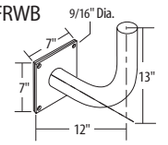


■ = Available as an option, shipped installed
❑ = Available as an accessory, shipped separately

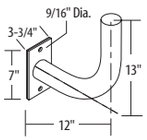
		Garage			Sports		Floodlighting									
		PGR	KPS	KACM	TSP	TV	ASF	KFL	55	95	170S	TFA	TFR	TFL	TFM	TSL
HS	House side shield (glare shield).	■														
BDS	Bird deterrent shroud.	❑														
OJB	Offset junction box.	❑														
RMG	Recessed mount in grid ceiling.		■													
SS	Stainless steel ceiling mount housing (alloy 304 stainless steel).		■													
AH	Above horizontal aiming.					■										
CF	Charcoal filter; must use with heavy-duty shroud.				■	■										■
FCRA[1]	Crossarm adapter for horizontal mounting (use with yoke mount only).				❑		❑	❑	❑	❑	❑	❑	❑	❑	❑	❑
FCRA45[1]	Crossarm adapter for horizontal mounting 45° (use with yoke mount only).				■[2]		❑	❑	❑	❑	❑	❑	❑	❑	❑	❑
SLR	Stainless steel lens rings.				■	■										
IBL	Internal bottom louver; cannot order IBL and TVUV together.					■										
FRWB[1]	Radius wall bracket; 2-3/8 diameter (use with slipfitter mount only). Standard finish is DDB.				❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	
FSAB[1]	Steel angle bracket (use with yoke mount only). Standard finish is DDB.				❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑
FSPB[1]	Steel square pole bracket (for use with existing poles). 2-3/8" diameter (use with slipfitter mount only). Standard finish is DDB.				❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑
FPMB[1]	Pipe/wood/pole/wall mounting bracket. Mounts to 2" schedule 40 pipe (use with yoke mount only).				❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑
FWPB[1]	Wall bracket (pipe) (use with yoke mount only).				❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑
FTS[1]	Tenon slipfitter; fits 2-3/8" to 2-7/8" OD tenon (use with yoke mount only).				❑		❑	❑	❑	❑	❑	❑	❑	❑	❑	❑
TVTS[1]	Tenon slipfitter; fits 2-3/8" to 2-7/8" OD tenon.				❑	❑										
TFMTS[1]	Tenon slipfitter for 1/2" threaded knuckle; fits 1-1/4" to 2-3/8" OD tenon.							❑							❑	
TVUV	Upper visor; cannot be used with IBL.					❑										
FCX2[1]	2-light wood pole crossarm (use with yoke mount only).				❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑
FCX3[1]	3-light wood pole crossarm (use with yoke mount only).				❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑
FCX4[1]	4-light wood pole crossarm (use with yoke mount only).				❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑
TVWC[1]	Wood crossarm mount bolt 5/8" - 11UNC, 8" length.				❑	❑										
YK	Yoke mount, painted.	■	■	■			■	■	■	■	■	■	■	■	■	■
GYK	Yoke mount, galvanized.															■
EY	Extended yoke.												■	■		
THK	Threaded knuckle mount.							■								
IS	Integral slipfitter; fits 2-7/8" max. OD with TFA, 2-3/8" with TFL and TFR.											■	■	■		

NOTES:
1 Order as separate catalog number.
2 Ships standard with TSP. Order as separate catalog number for other families.

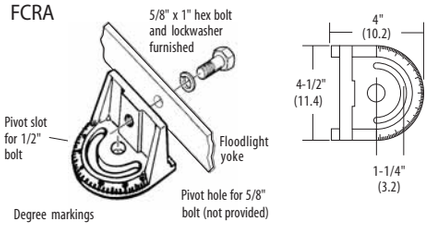
FRWB



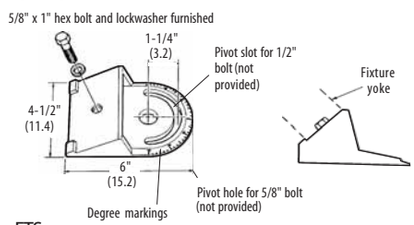
FSPB



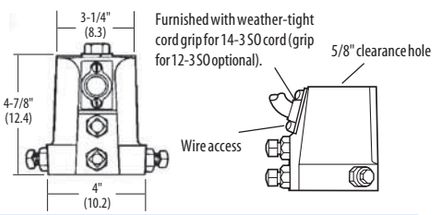
FCRA



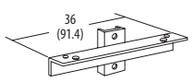
FCRA45



FTS

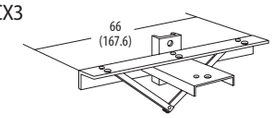


FCX2



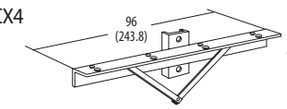
EPA Weight 1.4 sq. ft. 20 lbs.

FCX3



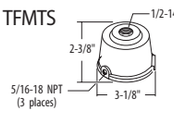
EPA Weight 3.9 sq. ft. 56 lbs.

FCX4

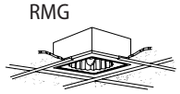


EPA Weight 4.8 sq. ft. 64 lbs.

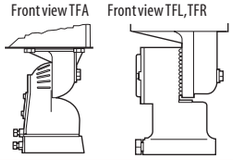
TFMTS



RMG



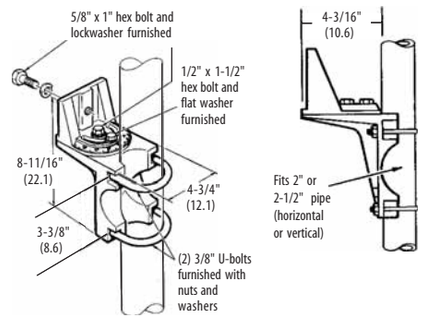
IS



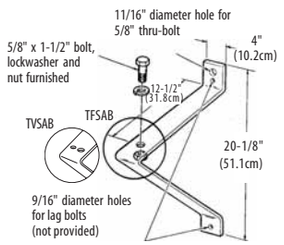
lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
FTS U

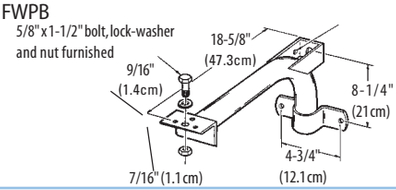
FPMB



FSAB



FWPB

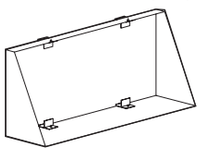


Floodlighting

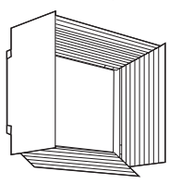
❑ = Available as an accessory, shipped separately		ASF	KFL/WFL	55	95	170S	TFA	TFR	TFL	TFM
BD[2]	Barn doors	❑	❑							
BV[2]	Bottom visor		❑	❑	❑		❑			
BVG[2]	Vandal guard	❑	❑							
CV[2]	Concentric visor				❑					
EV[2]	Eggcrate visor (black finish)	❑	❑							
FV[2]	Full visor	❑	❑	❑	❑		❑	❑	❑	❑
FV/BVG[2]	Full visor and vandal gaurd	❑								
GS[2]	Glare shield (upper or bottom visor)		❑							
GV[2]	Glare visor			❑	❑					
HLV[2]	Horizontal louver (black finish)		❑							
VG[1,2]	Vandal guard						❑	❑	❑	❑
UV[2]	Upper visor		❑	❑	❑	❑	❑	❑	❑	❑
UV/BVG[2]	Upper visor and vandal guard		❑							
VLV[2]	Vertical louver (black finish)		❑							
WG[2]	Wire guard		❑				❑	❑	❑	❑

NOTES:
1 Vandal gaurds are compatible with all wattages.
2 Specify family as prefix.

BV – Bottom visor (KFL)



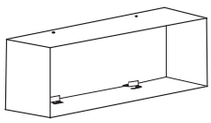
BD – Barn doors (KFL and ASF)



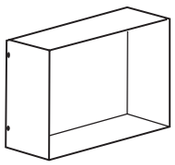
BV – Bottom visor (55/95)



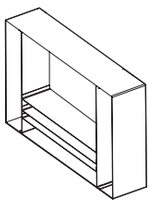
FV – Full visor (KFL and ASF)



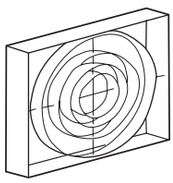
FV – Full visor (55/95)



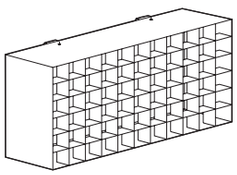
HLV – Horizontal louver (KFL)



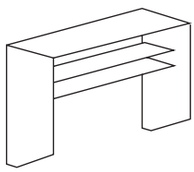
CV – Concentric visor (95)



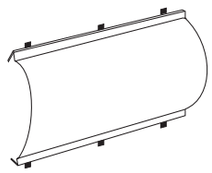
EV – Eggcrate visor (KFL and ASF)



GV – Glare visor (55/95)



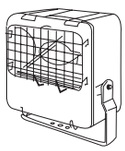
BVG – Vandal guard (KFL and ASF)



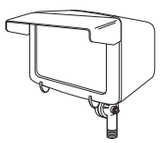
TFMVG/TFRVG



TFAWG



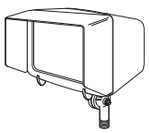
TFMUV/TFRUV



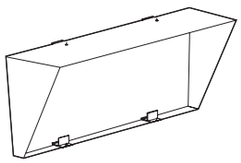
TFLVG



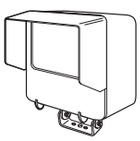
TFMFV/TFRFV



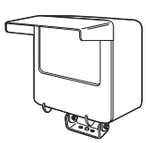
UV – Upper visor (KFL)



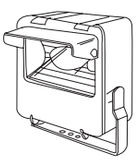
TFLFV



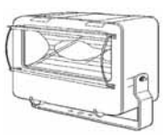
TFLUV



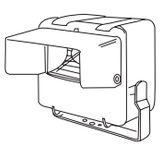
TFAUV



TFAVG



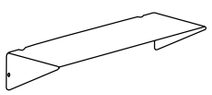
TFAFV



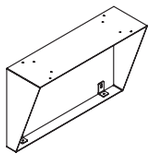
TFLWG



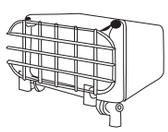
UV – Upper visor (55/95)



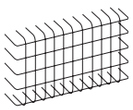
ASFGS



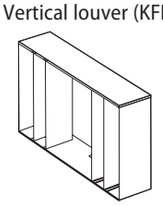
TFMWG/TFRWG



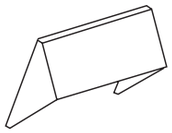
WG – Wireguard



VLV – Vertical louver (KFL)



UV – Upper visor (170)



❑ = Available as an accessory, shipped separately		ASF1	ASF2	KFL	55	95	170S	TFA	TFR	TFL	TFM
AJB	Architectural J-box, accepts 1/2" NPT THK.			❑							❑
AFJB	Architectural J-box, accepts ASF1 standard mounting (3/4" NPT THK).	❑									
EWB	Extended wall bracket, yoke mount only.	❑	❑	❑	❑	❑	❑	❑	❑	❑	❑
AFTMB	Twin mounting bar. Requires tenon slipfitter mounting (2-3/8" OD tenon).		❑	❑				❑	❑	❑	❑[2]
AFTMBTHK	Twin mounting bar, accepts ASF1 standard mounting (3/4" NPT THK).	❑									
KFLTMBTHK	Twin mounting bar for THK option. Only compatible with KFLTHK (1/2" NPT).			❑							❑
AFSTM	Stanchion mount. Requires tenon slipfitter mounting (2-3/8" OD tenon).		❑	❑	❑	❑	❑	❑	❑	❑	❑[2]
AFSTMTHK	Stanchion mount, accepts ASF1 standard mounting (3/4" NPT THK).	❑									
KFLSTMTHK	Stanchion mount, accepts 1/2" NPT THK (use with THK mounting only or standard TFM).			❑							❑
AFTM	Tenon base mount. Requires tenon slipfitter mounting (2-3/8" OD tenon).		❑	❑	❑	❑	❑	❑	❑	❑	❑[2]
AFWMA	Wall mount arm. Requires tenon slipfitter mounting (2-3/8" OD tenon).		❑	❑	❑	❑	❑	❑	❑	❑	❑[2]
AFWMATHK	Wall mount arm, accepts ASF1 standard mounting (3/4" NPT THK).	❑									
KFLWMATHK	Wall mount arm for THK option. Only compatible with KFLTHK (1/2" NPT THK).			❑							❑
AFWMPTHK	Wall mount plate, accepts ASF1 standard mounting (3/4" NPT THK).	❑									
TS	Tenon slipfitter. Fits 2-3/8" to 2-7/8" OD tenon (use with yoke mount only).			❑	❑	❑	❑				
AFTS	Tenon slipfitter, accepts ASF1 standard mounting (3/4" NPT THK).	❑									
STM	Stanchion mount – general purpose (2-3/8" OD tenon).		❑	❑	❑	❑	❑	❑	❑	❑	❑[2]

NOTES:

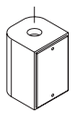
1 When used with TFM yoke a 3/8" bolt, two lockwashers and nuts must be furnished by others.

2 For use with TFMTS.

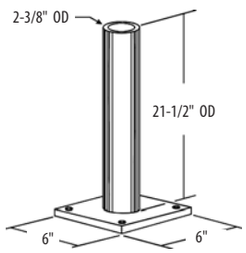
AFTM – Tenon base mount



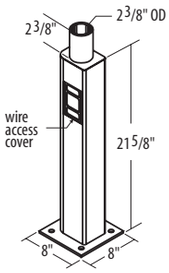
AFJB and **AJB** – Architectural junction box



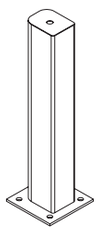
STM – Stanchion mount, general purpose



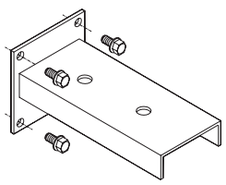
AFSTM – Stanchion mount for tenon slipfitter mounting



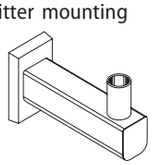
AFSTMTHK and **KFLSTMTHK** – Stanchion mount for threaded knuckle



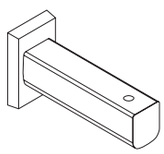
EWB – Extended wall bracket



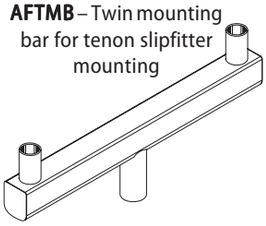
AFWMA – Wall mount for tenon slipfitter mounting



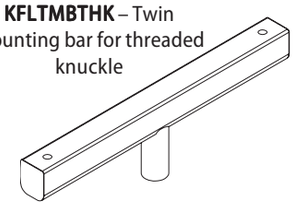
AFWMATHK and **KFLWMATHK** – Wall mount arm for threaded knuckle



AFTMB – Twin mounting bar for tenon slipfitter mounting



AFTMBTHK and **KFLTMBTHK** – Twin mounting bar for threaded knuckle



AFWMPTHK – Wall mounting plate for 3/4" NPT threaded knuckle



AFTS – Tenon slipfitter fo 3/4" NPT threaded knuckle



Nighttime Friendly™ Lighting

Lithonia Lighting is a leader in providing a variety of outdoor luminaires devoted to energy and environmental concerns. Many communities are interested in maintaining nighttime visibility, safety and security while preserving the night sky. Quality outdoor lighting considers the visual needs of the application while reducing glare and light trespass onto neighboring properties, therefore minimizing sky glow and overall energy usage. Listed below are several Lithonia Lighting product families that include a wide range of cutoff and full-cutoff luminaires that produce quality lighting and minimize night sky glow.

The Illuminating Engineering Society of North America (IESNA, or IES) provides classifications for luminaires according to their glare control and high-angle brightness. These classification, along with their benefits and limitations, are described in the Technical and Design Considerations section on page 725.

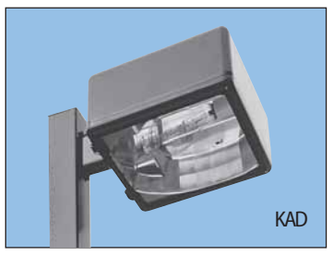
Acuity Brands Lighting uses Nighttime Friendly™ to identify products that reduce negative impacts on the nighttime environment. Products designated with the Nighttime Friendly logo have no uplight, meet the IESNA definition for full cutoff optics and reduce high angle brightness. These measures of luminaire performance are consistent with sustainability standards for light pollution reduction.

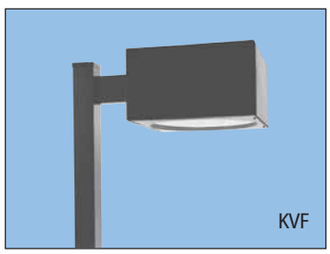
For applications where there is a concern with light trespass on neighboring properties, consider products that limit light behind the pole, such as the Type 4 sharp cutoff optical system or house side shielding.

NIGHTTIME FRIENDLY™

Nighttime Friendly designates products with superior optical control that are consistent with the goals of USGBC LEED® and meet Green Globes™ product criteria for light pollution reduction. These products are full cutoff and no more than 10% of the lumens from the luminaire are emitted above 80 degrees from nadir.









Area Luminaires

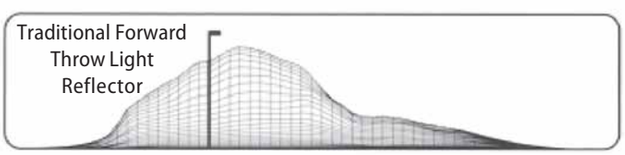
Luminaire	Meets Nighttime Friendly™ Criteria	Full Cutoff	PSG Page	Comments	Trespass Solutions: Sharp Cutoff Optical System
AS	✔[1]	✔	472	Aeris™ die-cast housing, dedicated optical platform, 2 housing sizes, flat lens, 400W max.	SR4SC
AST	✔[1]	✔	473	Aeris™ die-cast housing, dedicated optical platform, aesthetically pleasing tension rod assembly, 2 housing sizes, flat lens, 400W max.	SR4SC
KAD	✔	✔	476	Square die-cast housing, flat lens, 400W max.	SR4SC
KADT	✔	✔	477	Square die-cast housing, aesthetically pleasing tension rod assembly, flat lens, 400W max.	SR4SC
KSF	✔	✔	475	Rectangular housing, 3 housing sizes, flat lens, 1000W max.	R4SC
KSE	✔	✔	474	Crisp square housing, 2 housing sizes, flat lens, 400W max.	R4SC
KVF	✔[2]	✔	478	Square vertical lamp, flat lens, 1000W max.	SR4SC
KAR		✔	482	Round housing, 3 housing sizes, flat lens, 1000W max.	

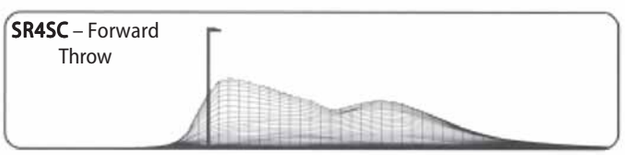
NOTES:
1 May not meet Nighttime Friendly™ standards with HS option.
2 Will not meet Nighttime Friendly™ standards with DL or EHS options.

Sharp Cutoff & Light Trespass

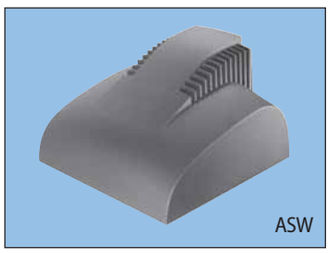
Spill light or light trespass is the light that illuminates surfaces beyond the property line. An example is the light on a bedroom wall coming through the window from the ball field across the street. A number of ordinances place limits on spill light near the property line as the sole means of controlling light trespass. The most effective way to minimize spill light from a location is to apply forward throw optics around the perimeter. Lithonia Lighting's R4SC optic is designed specifically for this application.

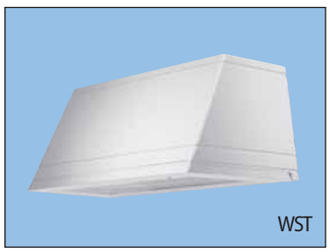
For more information on sharp cutoff, visit www.lithonia.com/CutoffLighting/AreaLuminaires.htm.





Lithonia Lighting has a diverse selection of building-mounted luminaires to complement our various Nighttime Friendly™ area luminaires. Listed below are several product families that include a wide range of cutoff and full-cutoff luminaires that produce quality lighting and minimize night sky glow.


ASW


WST


WFL


TWR1S

Building Mounted Luminaires

Luminaire	Meets Nighttime Friendly Criteria	Full-Cutoff	Cutoff	PSG Page	Comments
ASW	✔[2]	✔		504	Aeris™ die-cast housing, architectural style, 2 housing sizes, 400W max.
WSR[1]**, WST, WSQ**	✔[3]	✔		506	Decorative die-cast housing, 175W max.
WFL	✔[2]	✔		505	Architectural style, 2 housing sizes, 400W max., can be ordered with LC90 option to prevent field adjustment.
TWAC			✔	513	Vandal-resistant, polycarbonate lens, 100W max.
TWRC			✔	515	General purpose, die-cast aluminum and tempered glass, 400W max., optional full cutoff visor (FCV)
TWR1S	✔	✔		514	General purpose, die-cast aluminum and tempered glass, 175W max.

NOTES:
1 WSR is downlight only.
2 May depend on optical selection. Consult factory.
3 Does not meet Nighttime Friendly™ standards with uplight distribution options.

REFERENCES

DESIGN RECOMMENDATIONS FROM INDUSTRY ASSOCIATIONS

IESNA

The Illuminating Engineering Society of North America provides a variety of reference material on effective outdoor lighting design. Both the IESNA Lighting Handbook, 9th edition, and Recommended Practice No. 33 (RP-33-99), Lighting for Exterior Environments, offer discussions on design practices and suggested spill light limitations.

NEMA

The Luminaire Section of the National Electrical Manufacturers Association published a document entitled "White Paper on Outdoor Lighting Code Issues". This paper highlights the pros and cons of methods to control light trespass.

The NEMA Statement of Principles on Outdoor Lighting Codes also provides general guidance in the establishement of local lighting ordinances.

IDA

The International Dark-Sky Association is a grassroots organization that promotes quality outdoor lighting practices. Of particular interest to IDA is the reduction of sky glow. Their guidelines are of significant benefit for lighting installations near astronomical observatories or intrinsically dark areas such as national parks.

Lithonia Lighting is a member of, and participates in the activities of all the associations above.

Floodlighting Design Guidelines

IES Classifications

for general-purpose floodlighting

The IES beam spreads indicate the angular ranges (horizontally and vertically) through which the intensity of the floodlight is greater than 10% of its maximum intensity. This angular range is referred to as the 'Field Angle'.

For example:

Asymmetrical beam spread
138° (H) x 119° (V)
Horizontal *Vertical*
= IES 7 x 6

IES Beamspread Classification		
Field angle degrees	IES type	Beam description
10° up to 18°	1	very narrow
18° up to 29°	2	narrow
29° up to 46°	3	medium narrow
46° up to 70°	4	medium
70° up to 100°	5	medium wide
100° up to 130°	6	wide
130° and up	7	very wide

The IES classification was formerly referred to as NEMA Type.

The following outdoor design tips provide general guidelines for lighting design. These guidelines may not apply to all applications.

GROUND-MOUNTED FLOODLIGHTS

Ground-mounted floodlights are used to light building facades, signs and flagpoles.

Facade Lighting

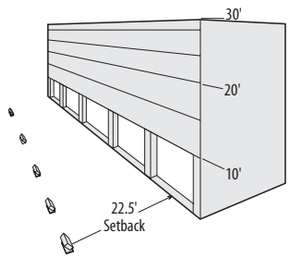
When lighting building facades with ground-mounted floodlights, three factors are considered: setback, spacing and aiming.

Facade lighting considerations:
1. Setback
2. Spacing
3. Aiming

Setback

The recommended setback is three-fourths the building height. If a building is 30 feet tall, the recommended setback is 22.5 feet from the building. Locating the floodlight closer to the building will sacrifice uniformity; setting it farther back will result in a loss of efficiency.

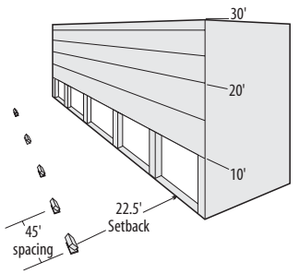
Setback distance = 3/4 x building height
3/4 (30 ft.) = 22.5 ft.



Spacing

The rule of thumb for spacing floodlights is not to exceed two times the setback distance. If the setback is 22.5 feet, the floodlights should not be placed more than 45 feet apart.

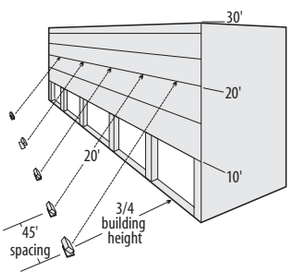
Spacing = 2 x setback distance
22.5 ft. x 2 = 45 ft. apart



Aiming

The floodlight should be aimed at least two-thirds the height of the building. For example, if a building is 30 feet high, the recommended aiming point is approximately 20 feet high. After installation is complete, aiming can be adjusted to produce the best appearance. *Mounting a full or upper visor to the floodlight can reduce unwanted spill light.*

Aiming point = 2/3 x building height
2/3 (30 ft.) = 20 ft. high



Sign Lighting

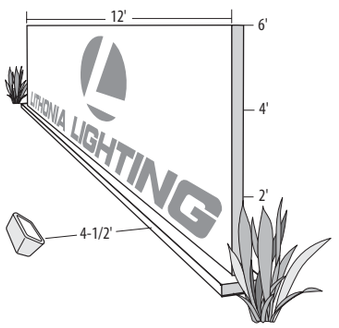
When lighting a sign with ground-mounted floodlights, there are three considerations: setback, spacing and aiming.

Sign lighting considerations:
1. Setback
2. Spacing
3. Aiming

Setback

When using ground-mounted floodlights to light a sign, the recommended setback is a distance equal to three-fourths the sign height. For example, the setback distance for a 12-foot by 6-foot sign would be 4.5 feet. Locating the floodlight closer will sacrifice uniformity while setting it farther back will result in a loss of efficiency.

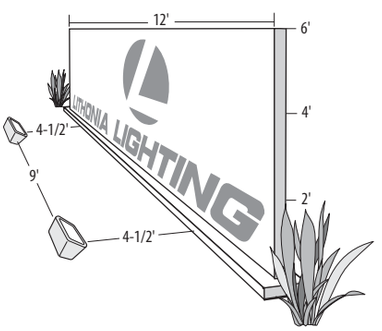
Setback distance = 3/4 x sign height
3/4 (6 ft.) = 4.5 ft.



Spacing

The rule of thumb for spacing floodlights is not to exceed two times the setback distance. If the setback is 4.5 feet, the floodlights should not be placed more than 9 feet apart.

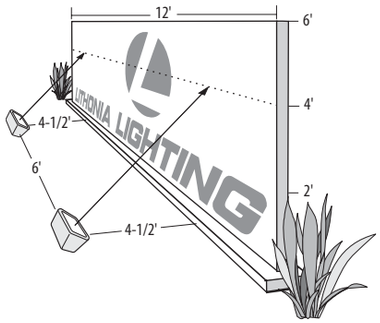
Spacing = 2 x setback distance
4.5 ft. x 2 = 9 ft. apart



Aiming

The floodlight should be aimed at least two-thirds up the sign. For example, if a sign is six feet tall, then the floodlight will be aimed approximately four feet high. After installation is completed, aiming can be adjusted to produce the best appearance. *Mounting a full or upper visor to the floodlight can reduce unwanted glare.*

Aiming point = 2/3 x sign height
2/3 (6ft.) = 4 ft. high



Flag Lighting

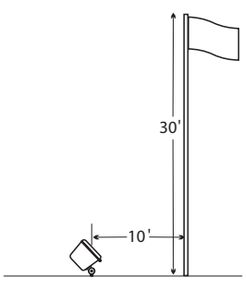
Ground-mounted floodlights also can be used to light flags. Setback, spacing and aiming must all be considered.

Flag lighting considerations:
1. Setback
2. Spacing
3. Aiming

Setback

The recommended setback for lighting a flag is one-third times the pole height. If the pole is 30 feet tall, the floodlight should be set back a distance of 10 feet away from the pole.

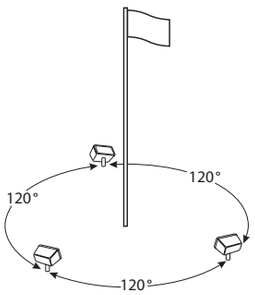
Setback distance = 1/3 x pole height
1/3 (30ft.) = 10 ft.



Spacing

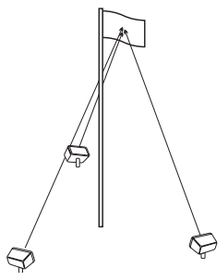
Ideally, three floodlights are recommended to light a flag. The floodlights should be placed approximately 120° apart.

3 floodlights spaced 120° apart



Aiming

The recommended aiming point for each floodlight is the center of the flag or the top of the pole. *Mounting a full or upper visor to the floodlight can reduce unwanted spill light.*



POLE-MOUNTED FLOODLIGHTS

General Area Lighting

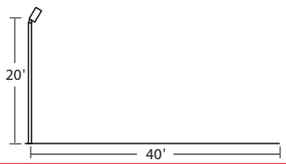
Pole-mounted floodlights commonly are used for general area lighting applications such as parking lots and storage yards. Mounting height, spacing, vertical aiming and horizontal aiming should be considered.

General lighting considerations:
1. Mounting height
2. Spacing
3. Vertical aimiing
4. Horizontal aiming

Mounting Height

The recommended mounting height is one half the distance across the area to be lighted. If the area to be lighted is 40 feet across, the lowest recommended mounting height is 20 feet.

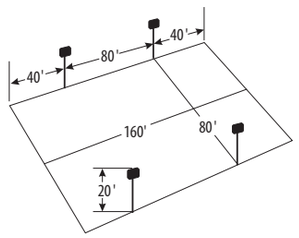
Mounting height = 1/2 distance to be lighted
1/2 (40ft.) = 20 ft.



Spacing

When more than one pole is added, pole placement is a concern. The "4 times" rule of thumb for spacing indicates that a pole should be placed four times the mounting height from the adjacent poles. If a flood is mounted on a 20-foot pole, space the poles 80 feet apart.

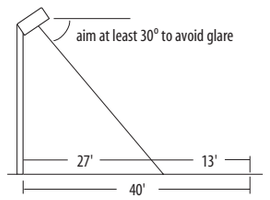
Pole spacing = 4 x mounting height
4 (20-ft. pole) = 80 feet between poles



Vertical Aiming

A single floodlight uses the two-thirds rule of thumb for vertical aiming. The fixture is aimed two-thirds of the distance across the area to be lighted and at least 30° below horizontal. If the area to be lighted is 40 feet across, the recommended aiming point is 27 feet.

Aiming point = 2/3 across distance to be lighted
2/3 (40ft.) = 27 ft. aiming point

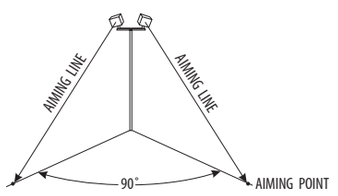


Additionally, to minimize glare, the recommended aiming point distance should never exceed twice the mounting height. If a pole is 20 feet high, the vertical aiming point should not exceed 40 feet out.

2 (20 ft. mtg. ht.) = 40 ft.

Horizontal Aiming

When an additional floodlight is added to a single pole, horizontal aiming also must be considered. First, each floodlight should be vertically aimed according to the two-thirds rule. As long as the floodlight has a horizontal NEMA 6 or 7 beamspread, the floodlights can be aimed up to 90° apart.



General Information – Poles

(Poles are available only in U.S.)

All luminaire/pole assemblies require proper evaluation to ensure that the structural integrity of the assembly is not compromised when applied in specific wind conditions. Therefore, the basis for pole selection in this catalog is total weight and effective projected area, EPA (ft^2), shown on the individual pole catalog pages. Determination of maximum EPA (ft^2) and weight loading must include all luminaires, bracketry, signs, decoration, overhead wire or other equipment that will be mounted to the subject pole. Luminaire EPA (ft^2) and weight data are found on their respective product pages.

The total effective projected area of the luminaires and brackets shall not exceed the EPA (ft^2) listed for the pole selected at a given wind velocity. Poles that are to be located in areas of known abnormal conditions will require special consideration. Please consult factory if poles are requires for Florida Building Code or ohter special wind load requirements. The map on page 553 gives the wind velocities to be used in determining luminaire pole compatibility.

NOTE: If during the pole warranty period of one year, the product proves defective in material or workmanship, the company shall correct, at its option, by repairing or replacing at no charge to the purchaser, if the purchaser promptly notifies the company. This warranty specifically excludes fatigue failure or similar phenomena resulting from induced vibration harmonic oscillation or resonance associated with the movement of air currents around the product.

Pole Selection Procedure

Step 1. Select the luminaire and decide how many will be mounted per pole. Determine the Effective Projected Area, EPA (ft^2), which is given on the dimensional information table.

Step 2. Determine the appropriate mounting method for the luminaire. Options include arm, bracket or wall mounting.

Step 3. Add together the EPA's (ft^2) of the luminaire and arm/bracket. Multiply by number of fixtures to be mounted on one pole.

Step 4. Consult the Wind Map on page 553 to determine the basic wind velocity for your area.

Step 5. Select the material (steel or aluminum) and shape (square or round) of the pole. Refer to the "Technical Information" chart on the appropriate pole page.

A. Find the desired nominal mounting height in the second column.

B. Verify that the fixture weight does not exceed the maximum number listed.

C. Compare your total EPA (ft^2) loading with the maximum EPA (ft^2) value found in the wind speed column for your area. Check that the equipment you are using will not exceed this value.

D. If both the weight and EPA (ft^2) values do not exceed for which the pole is rated, you have selected the correct pole. If, however, either one of those numbers exceeds the maximum rated values, compare the EPA (ft^2) and fixture weight loads to the next larger pole of the same mounting height.

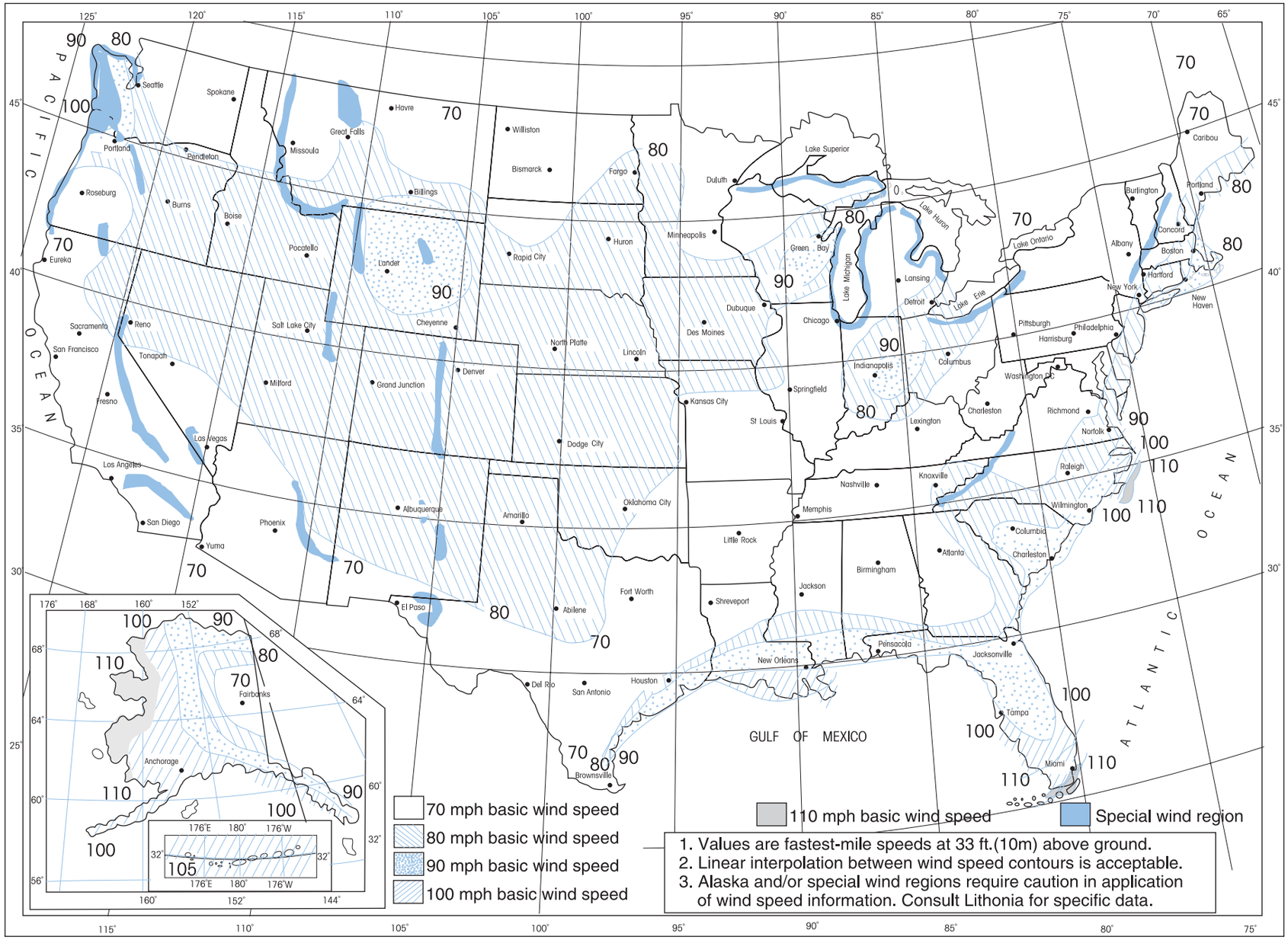
NOTES: "Call Before Number" and complete pole description **MUST** be included before order can be processed. Bolt templates will be shipped with anchor bolts. To pre-ship templates, place an order for the appropriate template number with Literature.Lithonia@AcuityBrands.com.
CAUTION: This pole selection process is a guideline only. Lithonia Lighting assumes no responsibility for selection and recommends consultation with qualified individuals for verification of luminaire/pole assembly selection.

Ordering Information

Example: **SSA 16 4G DM19 DMB**

Shaft type		Nominal mounting height	Nominal shaft base size/ wall thickness (in.)			Fixture mounting method		Options	Finish[1]	
SSS	Square straight steel	8-50 feet sportslighting poles up to 115'. See submittal sheets for specific information.	**4**	**C**	0.125	**PT**	Open-top	See pages 576-579.	*Architectural colors*[2]	
RSS	Round straight steel		**5**	**E**	0.156	Tenon mounting			*Polyester powder*	
STS	Square tapered steel		**6**	**G**	0.188	**T20**	2-3/8" OD (2" NPS)		Standard colors	
RTS	Round tapered steel		**7**	**J**	0.250	**T25**	2-7/8" OD (2-1/2" NPS)		**DDB**	Dark bronze
RTSU	Round tapered steel with arm(s)		**8**	**K**	0.312	**T30**	3-1/2" OD (3" NPS)		**DWH**	White
STSH	Square tapered steel hinged		**9**	**L**	0.219	**T35**	4" OD (3-1/2" NPS)		**DBL**	Black
SPRTS	Round tapered steel sportslighting		**10**	**P**	0.375	Drill mounting			**BA**	Brushed Aluminum[3]
SSA	Square straight aluminum					**DM19**	1 at 90°		Classic colors	
SSCA	Square straight aluminum, cruciform					**DM28**	2 at 180°		**DMB**	Medium bronze
RSA	Round straight aluminum					**DM29**	2 at 90°		**DNA**	Natural aluminum
RTA	Round tapered aluminum					**DM39**	3 at 90°		**DSS**	Sandstone
RTAU	Round tapered aluminum with arm(s)					**DM49**	4 at 90°		**DGC**	Charcoal gray
RSAH	Round straight aluminum hinged					**DM32**	3 at 120° (round poles)		**DTG**	Tennis green
SSAH	Square straight aluminum hinged					Aeris drill mounting			**DBR**	Bright red
RTF	Round tapered fiberglass					**DM19AS**	1 at 90°		**DSB**	Steel blue
RTFDB	Round tapered fiberglass direct burial					**DM28AS**	2 at 180°		Class 1 architectural anodize[4]	
SSF	Square straight fiberglass					**DM29AS**	2 at 90°		**ABL**	Black
STC	Square tapered concrete					**DM39AS**	3 at 90°		**ADB**	Dark bronze
SPRTC	Round tapered concrete sportslighting					**DM49AS**	4 at 90°		**ANA**	Natural
						DM32AS	3 at 120° (round poles)		Existing colors	
									MAEX	Match existing

NOTES:
1 Finish must be specified (poles do NOT ship DDB as standard).
2 Additional architectural colors available; see Achitectural Colors brochure on www.lithonia.com.
3 Aluminum poles only.
4 RTA, RSA, SSA, RTAU, RSAU, SSCA only.


70 mph basic wind speed
80 mph basic wind speed
90 mph basic wind speed
100 mph basic wind speed
110 mph basic wind speed
Special wind region
1. Values are fastest-mile speeds at 33 ft.(10m) above ground.
2. Linear interpolation between wind speed contours is acceptable.
3. Alaska and/or special wind regions require caution in application of wind speed information. Consult Lithonia for specific data.
PACIFIC OCEAN
ATLANTIC OCEAN
GULF OF MEXICO
Seattle
Spokane
Portland
Pendleton
Havre
Great Falls
Williston
Bismarck
Missoula
Billings
Fargo
Duluth
Lake Superior
Roseburg
Burns
Boise
Eureka
Pocatello
Lander
Rapid City
Huron
Minneapolis
Green Bay
Lake Huron
Lake Michigan
Lake Ontario
Lake Erie
Burlington
Caribou
Portland
Concord
Albany
Boston
Hartford
New York
New Haven
Lansing
Detroit
Chicago
Dubuque
Des Moines
Cheyenne
North Platte
Lincoln
Sacramento
Reno
San Francisco
Salt Lake City
Tonopah
Milford
Grand Junction
Denver
Fresno
Las Vegas
Los Angeles
San Diego
Phoenix
Yuma
Albuquerque
Amarillo
Dodge City
Kansas City
Springfield
St Louis
Oklahoma City
Little Rock
Fort Worth
El Paso
Abilene
Shreveport
Jackson
Memphis
Nashville
Knoxville
Indianapolis
Columbus
Pittsburgh
Harrisburg
Philadelphia
Washington DC
Charleston
Lexington
Richmond
Norfolk
Raleigh
Wilmington
Columbia
Charleston
Atlanta
Birmingham
Pensacola
Jacksonville
New Orleans
Houston
San Antonio
Del Rio
Brownsville
Tampa
Miami
Anchorage
Fairbanks

Square Straight Steel

SSS

Features

Shaft – Weldable grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), 50,000 psi (7-gauge). Uniform wall thickness of .125" or .188". Shaft is one piece with a longitudinal, electric, resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor Base – Fabricated from hot-rolled carbon steel plate that meets or exceeds a minimum-yield strength of 36,000 psi. The anchor base is provided with slotted holes.

Anchor Bolts – Top 12" galvanized per ASTM A-153. Made of 3/4" or 1" diameter steel rod having a minimum-yield strength of 55,000 psi.

Grounding – Nut holder located immediately inside hand-hole rim is tapped for a 1/2"-13 UNC ground bolt and nut (provided by others).

Hand hole – Rectangular, reinforced hand-hole rim having nominal dimensions of 3"x5" for all shafts. Included is steel cover with attachment screws.

Hardware – Fasteners are high-strength, galvanized zinc-plated or stainless steel.

Top Cap – Top cap is provided for drill-mount poles.

Finish – Must specify finish.

Base Cover – Full-base cover finished to match pole.

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
SSS 20 4C DM28 PL DDB SHAFT
ABSSS-4C

Ordering Information: See page 552

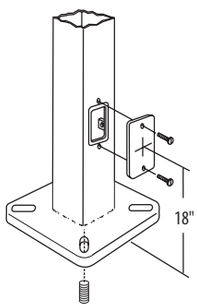
NOTE: Poles are available only in U.S.

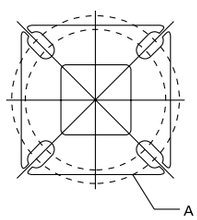
INSTALLATION NOTES:

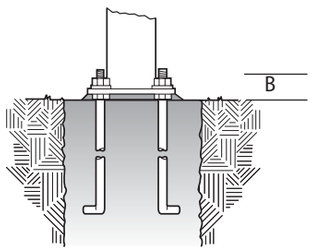
Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

Do not erect poles without having fixtures installed.

If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.







Technical Information

EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (ft.)	Pole shaft size (in. x in. x ft.)	Wall thick. (in.)	Gauge	80 mph	Max. wt.	90 mph	Max. wt.	100 mph	Max. wt.	Bolt circle (in.)	Bolt size (in. x in. x in.)	Approx. ship wt. (lbs.)
SSS 10 4C	10	4.0x10.0	0.125	11	30.6	765	23.8	595	18.9	473	8–9	3/4x18x3	75
SSS 12 4C	12	4.0x12.0	0.125	11	24.4	610	18.8	470	14.8	370	8–9	3/4x18x3	90
SSS 14 4C	14	4.0x14.0	0.125	11	19.9	498	15.1	378	11.7	293	8–9	3/4x18x3	100
SSS 16 4C	16	4.0x16.0	0.125	11	15.9	398	11.8	295	8.9	223	8–9	3/4x18x3	115
SSS 18 4C	18	4.0x18.0	0.125	11	12.6	315	9.2	230	6.7	168	8–9	3/4x18x3	125
SSS 20 4C	20	4.0x20.0	0.125	11	9.6	240	6.7	167	4.5	150	8–9	3/4x18x3	140
SSS 20 4G	20	4.0x20.0	0.188	7	16.5	415	12.25	310	9.3	240	8–9	3/4x30x3	198
SSS 20 5C	20	5.0x20.0	0.125	11	17.7	443	12.7	343	9.4	235	10–12	1x36x4	185
SSS 20 5G	20	5.0x20.0	0.188	7	28.1	703	21.4	535	16.2	405	10–12	1x36x4	265
SSS 25 4C	25	4.0x25.0	0.125	11	4.8	150	2.6	100	1.0	50	8–9	3/4x18x3	170
SSS 25 4G	25	4.0x25.0	0.188	7	10.8	270	7.7	188	5.4	135	8–9	3/4x30x3	245
SSS 25 5C	25	5.0x25.0	0.125	11	9.8	245	6.3	157	3.7	150	10–12	1x36x4	225
SSS 25 5G	25	5.0x25.0	0.188	7	18.0	350	12.6	350	9.0	250	10–12	1x36x4	320
SSS 30 4G	30	4.0x30.0	0.188	7	6.4	160	4.0	100	2.3	58	8–9	3/4x30x3	295
SSS 30 5C	30	5.0x30.0	0.125	11	4.7	150	2.0	50	—	—	10–12	1x36x4	265
SSS 30 5G	30	5.0x30.0	0.188	7	10.7	267	6.7	167	3.9	100	10–12	1x36x4	380
SSS 30 6G	30	6.0x30.0	0.188	7	15.7	392	10.2	257	6.4	160	11–13	1x36x4	520
SSS 35 5G	35	5.0x35.0	0.188	7	5.9	150	2.5	100	—	—	10–12	1x36x4	440
SSS 35 6G	35	6.0x35.0	0.188	7	9.5	237	5.0	150	1.8	50	11–13	1x36x4	540
SSS 39 6G	39	6.0x39.0	0.188	7	5.1	128	1.3	33	—	—	11–13	1x36x4	605

Pole Data

Shaft base size	Bolt circle A	Bolt projection B	Base square	Anchor bolt and template description	Anchor bolt description	Template number
4"C	8-1/2"	2-3/4"-4"	8"	ABSSS-4C	AB18-0	PJ50004
4"G	8-1/2"	2-3/4"-4"	8"	ABSSS-4G	AB30-0	PJ50004
5"	10"-12"	3-3/8"-4"	11"	ABSSS-5	AB36-0	PJ50010
6"	11"-13"	3-3/8"-4"	12-1/2"	ABSSS-6	AB36-0	PJ50011

NOTES:

- Mounting arrangement: (PT) open top; (T20) 2-3/8" OD (2" NPS).
- Drill mounting: (DM19) 1 fixture at 90°; (DM28) 2 fixtures at 180°.
- Options, see page 576.
- Brackets, see page 578.
- Bolt lengths described are normal. Actual bolt lengths may vary.
- Direct burial option available, consult factory.
- Galvanized anchor bolts available. Consult factory.
- Consult factory if product must meet "Buy America" specifications.

www.lithonia.com, keyword: SSS

RSS

Features

Shaft – Weldable grade A500 or A513 carbon steel tubing with minimum yield of 46,000 or 42,000 psi. Uniform wall thickness of .120". Shafts are one-piece construction with a full longitudinal weld. The round, straight tube is uniform in cross-section down length of shaft.

Anchor Base – Fabricated from carbon steel plate (ASTM A-36) 3/4" thickness. Base plate and shaft are circumferentially welded at both top and bottom to provide maximum strength at area of critical stress.

Anchor Bolts – Top 12" is galvanized per ASTM A-153. Made of carbon steel bar with minimum-yield strength of 55,000 psi.

Grounding – Nut holder located immediately inside hand hole is tapped for 1/2"-13 UNC ground bolt and nut (provided by others).

Hand hole – Nominal 3"x5" hand hole is located 18" above base. Cover and attachment hardware provided.

Hardware – Fasteners are high-strength galvanized zinc-plated or stainless steel.

Top Cap – Top cap is provided for drill-mount poles.

Finish – Must specify finish.

Base Cover – Full-base cover finished to match pole.

Technical Information

EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (ft.)	Pole shaft size (in. x in. x ft.)	Wall thick. (in.)	80 mph	Max. wt.	90 mph	Max. wt.	100 mph	Max. wt.	Bolt circle (in.)	Bolt size (in. x in. x in.)	Approx. ship wt. (lbs.)
RSS 8 4-5B	8	4.5 x 8.0	0.120	24.5	615	19.5	490	15.8	395	8	3/4 x 18 x 3	55
RSS 10 3B	10	3.0 x 10.0	0.120	10	250	7.7	190	6.0	175	8	3/4 x 18 x 3	55
RSS 10 4B	10	4.0 x 10.0	0.120	19.1	480	15.0	375	12.2	305	8	3/4 x 18 x 3	70
RSS 10 4-5B	10	4.5 x 10.0	0.120	24.5	615	19.5	490	15.8	395	8	3/4 x 18 x 3	75
RSS 12 3B	12	3.0 x 12.0	0.120	7.7	195	5.8	145	4.4	130	8	3/4 x 18 x 3	60
RSS 12 4B	12	4.0 x 12.0	0.120	15.0	390	11.8	300	9.5	240	8	3/4 x 18 x 3	80
RSS 12 4-5B	12	4.5 x 12.0	0.120	19.8	495	15.7	395	12.7	320	8	3/4 x 18 x 3	85
RSS 14 3B	14	3.0 x 14.0	0.120	6.0	175	4.4	130	3.3	90	8	3/4 x 18 x 3	70
RSS 14 4B	14	4.0 x 14.0	0.120	12.2	305	9.4	250	7.6	195	8	3/4 x 18 x 3	90
RSS 14 4-5B	14	4.5 x 14.0	0.120	16.2	405	12.8	320	10.3	260	8	3/4 x 18 x 3	95
RSS 15 4-5B	15	4.5 x 15.0	0.120	13.1	330	10.2	265	8.2	205	8	3/4 x 18 x 3	96
RSS 16 3B	16	3.0 x 16.0	0.120	4.6	125	3.2	100	2.3	60	8	3/4 x 18 x 3	80
RSS 16 4B	16	4.0 x 16.0	0.120	9.6	250	7.4	185	5.9	150	8	3/4 x 18 x 3	100
RSS 16 4-5B	16	4.5 x 16.0	0.120	13.1	330	10.2	265	8.2	205	8	3/4 x 18 x 3	105
RSS 18 3B	18	3.0 x 18.0	0.120	3.4	90	2.3	60	1.4	70	8	3/4 x 18 x 3	90
RSS 18 4B	18	4.0 x 18.0	0.120	7.6	190	5.7	180	4.5	130	8	3/4 x 18 x 3	110
RSS 18 4-5B	18	4.5 x 18.0	0.120	10.5	265	8.2	210	6.5	165	8	3/4 x 18 x 3	115
RSS 20 3B	20	3.0 x 20.0	0.120	2.4	100	1.4	75	—	—	8	3/4 x 18 x 3	100
RSS 20 4B	20	4.0 x 20.0	0.120	6.0	150	4.45	150	3.45	125	8	3/4 x 18 x 3	120
RSS 20 4-5B	20	4.5 x 20.0	0.120	8.5	215	6.6	165	5.2	130	8	3/4 x 18 x 3	130
RSS 20 5B	20	5.0 x 20.0	0.120	11.75	300	9.1	230	7.25	180	8	3/4 x 18 x 3	145
RSS 22 4-5B	22	4.5 x 22.0	0.120	4.8	130	3.6	90	2.7	90	8	3/4 x 18 x 3	134
RSS 25 4B	25	4.0 x 25.0	0.120	2.85	100	1.95	75	1.35	75	8	3/4 x 18 x 3	145
RSS 25 4-5B	25	4.0 x 25.0	0.120	4.8	130	3.6	90	2.7	90	8	3/4 x 18 x 3	145
RSS 25 5B	25	5.0 x 25.0	0.120	7.25	180	5.5	150	4.25	150	8	3/4 x 18 x 3	180
RSS 30 4-5B	30	4.5 x 30.0	0.120	2.3	80	1.5	75	1.0	60	8	3/4 x 18 x 3	185
RSS 30 5B	30	5.0 x 30.0	0.120	4.2	150	3	125	2.25	100	8	3/4 x 18 x 3	210

Pole Data

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Anchor bolt description	Template number
3	8"	3-1/4" x 3-1/2"	8"	AB18-0	PJ50041
4"	8"	3-1/4" x 3-1/2"	8"	AB18-0	PJ50041
4-1/2"	8"	3-1/4" x 3-1/2"	8"	AB18-0	PJ50041
5"	8"	3-1/4" x 3-1/2"	8"	AB18-0	PJ50041

Ordering Information: See page 552

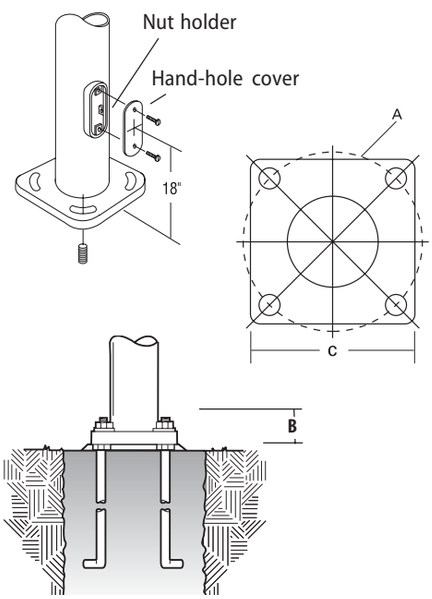
NOTE: Poles are available only in U.S.

INSTALLATION NOTES:

Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.

NOTES:

- Mounting arrangement: (PT) open top accepts KKR; (T20) 2-3/8" OD (2" NPS).
- Drill mounting: (DM19) 1 fixture at 90°; (DM28) 2 fixtures at 180°.
- Options, see page 576.
- Brackets, see page 578.
- Bolt lengths described are nominal. Actual bolt lengths may vary.
- Direct burial option available, consult factory.
- 3-bold bases available.
- Galvanized anchor bolts available, consult factory.
- Consult factory if product must meet "Buy America" specifications.



Square Tapered Steel

STS

Features

Shaft – Minimum weldable-grade (ASTM A-595 Grade A) hot-rolled commercial-quality carbon steel tubing with minimum yield of 55,000 psi. Uniform wall thickness of 11-gauge (0.1196") or 7-gauge (0.1793"). Shafts are constructed with full-length longitudinal high-frequency resistance welds and are round in cross-section, having a uniform taper of approximately .11" per foot.

Anchor Base – Fabricated from hot-rolled carbon steel plate that conforms with ASTM A36.

Anchor Bolts – Fabricated from commercial-quality, hot-rolled carbon steel with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on one end.

Grounding – Nut holder located immediately inside hand-hole rim is tapped for a 1/2"-13 UNC ground bolt and nut (provided by others).

Hand hole – Rectangular, reinforced hand-hole rim having nominal dimensions of 3"x5" for shafts less than 6.375" square and 4"x6.5" for all other shafts. Steel cover with attachment screws included. Hand hole is located 18" above base.

Hardware – Fasteners are high-strength galvanized zinc-plated or stainless steel.

Top Cap – Top cap provided with all drill-mount poles.

Finish – Dark bronze polyester powder finish (DDB) standard; other architectural colors available.

Base Cover – Full-base cover standard.

Ordering Information: See page 552

NOTE: Poles are available only in U.S.

INSTALLATION NOTES:

Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

Do not erect poles without having fixtures installed.

If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.

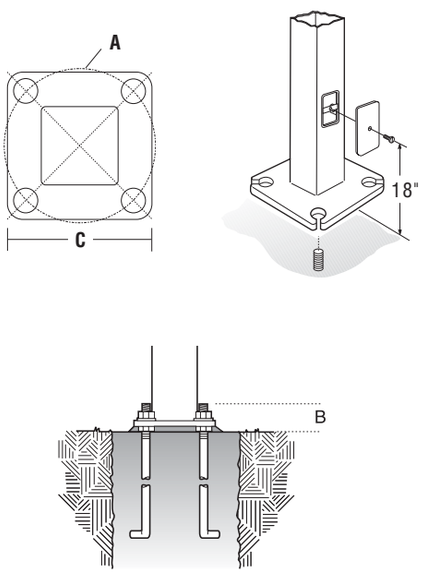
NOTES:

- Mounting arrangement: (PT) open top; (T20) 2-3/8" OD (2" NPS)
- Drill mounting: (DM19) 1 fixture at 90°; (DM28) 2 fixtures at 180°
- Options, see page 576.
- Brackets, see page 578.
- Bolt lengths described are normal. Actual bolt lengths may vary.
- Direct burial option available, consult factory.
- Galvanized anchor bolts available, consult factory.
- Consult factory if product must meet "Buy America" specifications.

Technical Information

EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (ft.)	Pole shaft size (in. x in. x ft.)	Wall thick. (in.)	Gauge	80 mph	Max. wt.	90 mph	Max. wt.	100 mph	Max. wt.	Bolt circle (in.)	Bolt size (in. x in. x in.)	Approx ship wt. (lbs.)
STS 20 5-2B	20	5.25 x 3.05 x 20	0.125	11	18.0	452	13.8	345	10.7	268	10-3/4	1 x 36 x 4	155
STS 20 5-5F	20	5.50 x 3.30 x 20	0.188	7	30.5	764	24.0	602	19.0	477	11	1 x 36 x 4	235
STS 25 6-0B	25	6.00 x 3.25 x 25	0.125	11	16.8	422	12.6	315	9.5	238	12	1 x 36 x 4	205
STS 25 6-4F	25	6.41 x 3.66 x 25	0.188	7	28.5	713	22.5	563	18.2	455	12-1/2	1 x 36 x 4	310
STS 30 6-4B	30	6.41 x 3.11 x 30	0.125	11	13.6	340	9.8	245	7.0	175	12-1/2	1 x 36 x 4	260
STS 30 6-4F	30	6.41 x 3.11 x 30	0.188	7	23.6	590	17.9	448	13.7	343	12-1/2	1 x 36 x 4	375
STS 35 6-8B	35	6.81 x 2.96 x 35	0.125	11	10.7	269	7.3	184	4.8	120	13	1 x 36 x 4	305
STS 35 7-1F	35	7.13 x 3.28 x 35	0.188	7	23.4	585	17.4	435	13.0	325	13-1/2	1 x 36 x 4	475
STS 39 7-1B	39	7.18 x 2.92 x 39	0.125	11	8.6	215	5.4	135	3.0	75	13-1/2	1 x 36 x 4	345
STS 39 7-1F	39	7.13 x 2.87 x 39	0.188	7	19.3	483	14.2	355	10.4	260	13-1/2	1 x 36 x 4	500
STS 45 7-8F	45	7.88 x 2.93 x 45	0.188	7	16.0	400	11.1	278	7.4	187	14-1/2	1 x 36 x 4	620
STS 45 8-7F	45	8.75 x 3.80 x 45	0.188	7	23.5	588	16.6	415	11.4	287	15-3/4	1-1/4 x 42 x 6	730
STS 50 8-8F	50	8.81 x 3.31 x 50	0.188	7	19.4	485	13.2	332	8.7	218	16	1-1/4 x42 x 6	780



Pole Data

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Anchor bolt description	Template number
5.2" B	10-3/4"	3-1/2"-4-1/4"	10-3/4"	AB36-0	PJ50095
5.5" F	11"	3-3/4"-4-1/2"	11"	AB36-0	PJ50096
6.0" B	12"	3-1/2"-4-1/4"	11-1/2"	AB36-0	PJ50097
6.4" F	12-1/2"	4"-4-3/4"	11-7/8"	AB36-0	PJ50098
6.4" B	12-1/2"	3-1/2"-4-1/4"	11-7/8"	AB36-0	PJ50099
6.8" B	13"	3-1/2"-4-1/4"	12-1/4"	AB36-0	PJ50101
7.1" F	13-1/2"	4-1/4"-5"	12-5/8"	AB36-0	PJ50102
7.1" B	13-1/2"	3-1/2"-4-1/4"	12-5/8"	AB36-0	PJ50103
7.8" F	14-1/2"	4"-4-3/4"	13-3/8"	AB36-0	PJ50105
8.7" F	15-3/4"	4-3/4"-5-1/2"	14-1/4"	AB42-0	PJ50106
8.8" F	16"	4-1/2"-5-1/4"	15-1/2"	AB42-0	PJ50107

RTS

Features

Shaft – Minimum weldable-grade (ASTM A-595 Grade A), hot-rolled, commercial-quality carbon steel tubing with minimum yield of 55,000 psi. Uniform wall thickness of 11-gauge (0.1196") or 7-gauge (0.1793"). Shafts are constructed with full-length, longitudinal, high-frequency resistance welds. Round in cross-section, having uniform taper of approximately .14" per foot.

Anchor Base – Fabricated from hot-rolled carbon steel plate that conforms to ASTM A36.

Hand hole – Rectangular, reinforced hand-hole rim having nominal dimensions of 3"x5" for shafts less than 6.25" base diameter and 4"x6.5" for all other shafts. Steel cover with attachment screws included. Hand hole is located 18" above base.

Grounding – Nut holder located immediately inside hand-hole rim is tapped for 1/2"-13 UNC ground bolt and nut (provided by others).

Anchor Bolts – Fabricated from commercial-quality hot-rolled carbon steel with minimum yield strength of 55,000 psi. Bolts have an "L" bend on one end.

Hardware – Fasteners are high-strength galvanized zinc-plated or stainless steel.

Top Cap – Top cap provided with all drill-mount poles.

Finish – Must specify finish.

Base Cover – Full-base cover standard.

Technical Information

EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (ft.)	Pole shaft size (in. x in. x ft.)	Wall thick. (in.)	Gauge	80 mph	Max. wt.	90 mph	Max. wt.	100 mph	Max. wt.	Bolt circle (in.)	Bolt size (in. x in. x in.)	Approx. ship wt. (lbs.)
RTS 20 5-9B	20	5.9 x 3.1 x 20	0.125	11	19.3	482	15.1	377	12.2	305	9.0	1 x 36 x 4	140
RTS 20 6-5B	20	6.5 x 3.7 x 20	0.125	11	24.2	605	19.3	482	15.6	390	9.5	1 x 36 x 4	160
RTS 25 5-9B	25	5.9 x 2.4 x 25	0.125	11	12.5	312	9.9	247	8	200	9.0	1 x 36 x 4	155
RTS 25 7-0B	25	7.0 x 3.5 x 25	0.125	11	20.3	507	16.2	405	13.1	327	10.0	1 x 36 x 4	200
RTS 25 7-0F	25	7.0 x 3.5 x 25	0.188	7	28.5	713	22.5	563	18.2	455	10.0	1 x 36 x 4	280
RTS 30 6-6B	30	6.6 x 2.4 x 30	0.125	11	11.7	292	9.3	232	7.5	187	9.5	1 x 36 x 4	200
RTS 30 8-0B	30	8.0 x 3.8 x 30	0.125	11	18.9	473	14.9	373	12	300	11.0	1 x 36 x 4	265
RTS 30 8-0F	30	8.0 x 3.8 x 30	0.188	7	27.5	550	21.6	542	17.5	439	11.0	1-1/4 x 42 x 6	380
RTS 35 7-3B	35	7.3 x 2.4 x 35	0.125	11	11.2	280	8.9	222	7.1	177	10.5	1 x 36 x 4	250
RTS 35 8-5B	35	8.5 x 3.6 x 35	0.125	11	18.9	472	15.1	377	12.2	305	11.5	1 x 36 x 4	315
RTS 35 9-5B	35	9.5 x 4.6 x 35	0.125	11	23.2	580	18.2	455	14.5	363	13.0	1 x 36 x 4	370
RTS 39 7-8B	39	7.8 x 2.4 x 39	0.125	11	10.7	267	8.5	212	6.6	165	11.0	1 x 36 x 4	285
RTS 39 9-0B	39	9.0 x 3.6 x 39	0.125	11	17.2	430	13.5	338	10.8	270	12.5	1 x 36 x 4	355
RTS 39 9-0F	39	9.0 x 3.6 x 39	0.188	7	26.1	654	20.6	517	16.7	419	12.5	1-1/4 x 42 x 6	515
RTS 45 10-0B	45	10.0 x 3.7 x 45	0.125	11	17.4	435	13.5	338	10.6	265	13.5	1 x 36 x 4	450
RTS 45 10-0F	45	10.0 x 3.7 x 45	0.188	7	25.5	639	20.2	505	16.3	409	13.5	1-1/4 x 42 x 6	650
RTS 50 10-0B	50	10.0 x 3.0 x 50	0.125	11	13.2	330	10.6	265	8.3	208	13.5	1 x 36 x 4	475
RTS 50 10-0F	50	10.0 x 3.0 x 50	0.188	7	20.5	512	16.5	412	13.6	340	13.5	1-1/4 x 42 x 6	680

Ordering Information: See page 552

Note: Poles are available only in U.S.

INSTALLATION NOTES:

Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

Do not erect poles without having fixtures installed.

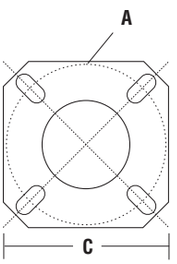
If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.

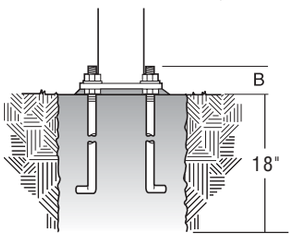
NOTES:

- Mounting arrangement: (PT) open top; (T20) 2-3/8" OD (2" NPS)
- Drill Mounting: (DM19) 1 fixture at 90°; (DM28) 2 fixtures at 180°
- Options, see page 576.
- Brackets, see page 578.
- Bolt lengths described are nominal, actual lengths may vary.
- Direct burial option available, consult factory.
- 3-bolt bases available.
- Galvanized anchor bolts available, consult factory.
- Consult factory if product must meet "Buy American" specifications.
- Stainless steel poles available, consult factory.

Pole Data

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Anchor bolt description	Template number
5.9" B	9"	3-1/2"-4-1/4"	10"	AB36-0	PJ50075
6.5" B	9.5"	3-1/2"-4-1/4"	10-1/2"	AB36-0	PJ50074
7.0" B	10"	3-1/2"-4-1/4"	10-7/8"	AB36-0	PJ50077
7.0" F	10"	3-3/4"-4-1/2"	10-7/8"	AB36-0	PJ50076
6.6" B	9.5"	3-1/2"-4-1/4"	10-1/2"	AB36-0	PJ50078
8.0" B	11"	3-1/2"-4-1/4"	11-1/2"	AB36-0	PJ50079
8.0" F	11"	4-1/2"-5-1/4"	11-1/2"	AB42-0	PJ50080
7.3" B	10.5"	3-1/2"-4-1/4"	11-1/4"	AB36-0	PJ50081
8.5" B	11.5"	3-3/4"-4-1/2"	12"	AB36-0	PJ50082
9.5" B	13"	3-3/4"-4-1/2"	13"	AB36-0	PJ50083
7.8" B	11"	3-3/4"-4-1/2"	11-1/2"	AB36-0	PJ50084
9.0" B	12.5"	3-3/4"-4-1/2"	12-3/8"	AB36-0	PJ50085
9.0" F	12.5"	4-1/2"-5-1/4"	12-3/8"	AB42-0	PJ50086
10.0" B	13.5"	3-3/4"-4-1/2"	14"	AB36-0	PJ50087
10.0" F	13.5"	4-1/2"-5-1/4"	14"	AB42-0	PJ50088





www.lithonia.com, keyword: RTS

Round Tapered Steel with Upswept Mast Arms

RTSU

Features

Shaft – Weldable-grade, hot-rolled, commercial quality carbon steel tubing with a minimum yield of 55,000 psi. Uniform wall thickness of 11-gauge (0.1196") or 7-gauge (0.1793"). Shafts are one-piece construction with a full-length longitudinal high-frequency resistance weld. Round in cross-section having a uniform taper of approximately .14" per foot.

Arm – Body is 2-3/8" O.D. (2" NPS) galvanized stell tube (sch. 40 material, min. yield strength 36,000 psi). Welding follows AWS standards. Arms are galvanized after fabrication.

Mounting – Mounting plate is designed to be bolted to the shaft using a 1/2″ steel bolt Simplex mount. Single-bolt (US4, US6, US8) or multi-bolt design (U10, U12).

Anchor Base – Fabricated from hot rolled carbon steel plate that conforms to ASTM A36.

Anchor Bolts – Fabricated from commercial quality hot-rolled carbon steel with minimum yield strength of 55,000 psi.

Grounding – Ground lug located immediately inside hand hole.

Hand hole – Rectangular, reinforced hand-hole rim having nominal dimensions of 3"x 5" for shafts less than 6.25" base diameter and 4"x 6.5" for all other shafts. Steel cover with attachment screws included. Hand hole is located 18" above base.

Hardware – Fasteners are high-strength galvanized zinc-plated or stainless steel.

Top Cap – Top cap provided.

Finish – Must specify finish.

Base Cover – Full base cover is standard.

Ordering Information: See page 552

Note: Poles are available only in U.S.

INSTALLATION NOTES:

Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

Do not erect poles without having fixtures installed.

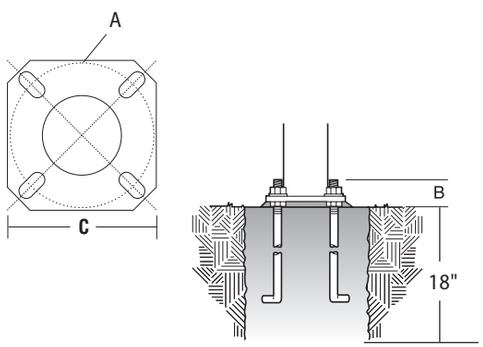
If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.

NOTES:

- Mounting arrangement: (PT) open top; (T20) 2-3/8" OD (2" NPS)
- Drill mounting: (DM19) 1 fixture at 90°; (DM28) 2 fixtures at 180°
- Options, see page 576.
- Bracket, see page 578.
- Bolt lengths described are nominal, actual lengths may vary.
- Direct burial option available, consult factory.
- 3-bolt bases available.
- Galvanized anchor bolts available, consult factory.
- Consult factory if product must meet "Buy American" specifications.
- Stainless steel poles available, consult factory.

Technical Information

Catalog number		Nom. mount. (ft.)	Mtg. arm length (ft.)	Pole shaft size (in. x in. x ft.)	Wall thick. (in.)	(per arm) EPA ft² w/1.3 gust up to 100 mph	Bolt max. wt. (lbs.)	circle (in.)	Bolt size (in. x in. x in.)	Approx. ship wt. (lbs)	
Single arms	*Double arms*									*Single arms*	*Double arms*
RTSU 20 5-9B SMP US4	**RTSU 20 5-9B SMP 2US4**	20	4'	5.9"	0.120"	2	76	9.0	1 x 36 x 4	140	240
RTSU 20 5-9B SMP US6	**RTSU 20 5-9B SMP 2US6**	20	6'	5.9"	0.120"	2	76	9.0	1 x 36 x 4	140	240
RTSU 20 5-9B SMP US8	**RTSU 20 5-9B SMP 2US8**	20	8'	5.9"	0.120"	2	76	9.0	1 x 36 x 4	140	240
RTSU 25 5-9B SMP US4	**RTSU 25 5-9B SMP 2US4**	25	4'	5.9"	0.120"	2	76	9.0	1 x 36 x 4	205	255
RTSU 25 5-9B SMP US6	**RTSU 25 5-9B SMP 2US6**	25	6'	5.9"	0.120"	2	76	9.0	1 x 36 x 4	205	255
RTSU 25 5-9B SMP US8	**RTSU 25 5-9B SMP 2US8**	25	8'	5.9"	0.120"	2	76	9.0	1 x 36 x 4	205	255
RTSU 30 6-6B SMP US4	**RTSU 30 6-6B SMP 2US4**	30	4'	6.5"	0.120"	2	76	9.5	1 x 36 x 4	250	300
RTSU 30 6-6B SMP US6	**RTSU 30 6-6B SMP 2US6**	30	6'	6.5"	0.120"	2	76	9.5	1 x 36 x 4	250	300
RTSU 30 6-6B SMP US8	**RTSU 30 6-6B SMP 2US8**	30	8'	6.5"	0.120"	2	76	9.5	1 x 36 x 4	250	300
RTSU 35 7-3B SMP US4	**RTSU 35 7-3B SMP 2US4**	35	4'	7.3"	0.120"	2	76	10.5	1 x 36 x 4	300	350
RTSU 35 7-3B SMP US6	**RTSU 35 7-3B SMP 2US6**	35	6'	7.3"	0.120"	2	76	10.5	1 x 36 x 4	300	350
RTSU 35 7-3B SMP US8	**RTSU 35 7-3B SMP 2US8**	35	8'	7.3"	0.120"	2	76	10.5	1 x 36 x 4	300	350
RTSU 40 9-0B SMP US4	**RTSU 40 9-0B SMP 2US4**	40	4'	9"	0.120"	2	76	12.5	1 x 36 x 4	405	455
RTSU 40 9-0B SMP US6	**RTSU 40 9-0B SMP 2US6**	40	6'	9"	0.120"	2	76	12.5	1 x 36 x 4	405	455
RTSU 40 9-0B SMP US8	**RTSU 40 9-0B SMP 2US8**	40	8'	9"	0.120"	2	76	12.5	1 x 36 x 4	405	455



Pole Data

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Anchor bolt description	Template number
5.9'	9.0"	3.5" - 4.25"	10.0"	AB36-0	PJ50075
6.5"	9.5"	3.5" - 4.25"	10.5"	AB36-0	PJ50074
7.0"	10.0"	3.5" - 4.25"	10-7/8"	AB36-0	PJ50077
7.3"	10.5"	3.5" - 4.25"	11.25″	AB36-0	PJ50133
7.5"	10.5"	3.5" - 4.25"	11.25″	AB36-0	PJ50133
8.0"	11.0"	3.5" - 4.25"	11.5"	AB36-0	PJ50079
9.0"	12.5"	3.75" - 4.5"	12-3/8"	AB36-0	PJ50085
9.5"	13.0"	4.0″-4.5″	13.0″	1 x 36 x 4	PJ50134
10.0"	13.5"	4.0″-4.5″	14.0″	1 x 36 x 4	PJ50135
10.5"	14.0"	4.5″-5.0″	14.5″	1.25 x 42 x 6	PJ50136

STSH

Features

Shaft – Weldable-grade, hot-rolled, commercial-quality carbon steel having a guaranteed minimum yield strength of 55,000 psi and is supplied in 11-gauge (.1196") or 7-gauge (.1793") nominal thickness. Pole is one-piece construction with full-length, longitudinal, high-frequency, electric-resistance weld. Shaft is square in cross section having flat sides, radiused corners, and uniform taper of approximately 0.11 inches per foot of length (4-inch square poles are not tapered).

Hinge – The hinge includes a stainless steel hinge pin. A flexible wiring guide is provided, passing through the hinge area for wiring protection. Hinge is external.

Anchor Base – Fabricated from hot-rolled carbon steel plate that conforms with ASTM A36.

Anchor Bolts – Fabricated from commercial-quality, hot-rolled carbon steel with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on one end.

Grounding – Nut holder located immediately inside hand-hole rim is tapped for a 1/2"-3 UNC ground bolt and nut (provided by others).

Hand hole – Rectangular, reinforced hand-hole rim having nominal dimensions of 3" x 5" for shafts less than 6.375" square and 4" x 6.5" for all other shafts. Steel cover with attachment screws included. Hand hole is located 18" above base.

Hardware – Fasteners are high-strength, galvanized zinc-plated or stainless steel.

Top Cap – Top cap provided with all drill-mount poles.

Finish – Must specify finish.

Base Cover – Full-base cover is provided.

Technical Information

EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (ft.)	Pole shaft size (in.xin.xft.)	Wall thick. (in.)	Gauge	80 mph	Max. wt.	90 mph	Max. wt.	100 mph	Max. wt.	Bolt circle (in.)	Bolt size (in.xin.xin.)	Approx. ship wt. (lbs)
STSH 20 4F	20	4x4x20	0.188	7	11.6	217	8.5	217	6.2	217	8-1/2-10	3/4x18x3	300
STSH 25 4B	25	4x4x25	0.125	11	7.1	160	4.8	160	3.1	160	8-1/2-10	3/4x18x3	370
STSH 25 6-4B	25	6.41x3.63x25	0.125	11	18.0	254	13.0	254	9.3	254	12-1/2	1x36x4	355
STSH 30 4F	30	4x4x30	0.188	7	4.0	120	2.1	120	0.8	120	8-1/2-10	3/4x18x3	435
STSH 30 6-4B	30	6.41x3.08x30	0.125	11	12.5	230	8.3	230	5.1	230	12-1/2	1x36x4	440
STSH 35 7-1B	35	7.18x2.88x35	0.125	11	7.1	160	3.2	160	—	—	13-1/2	1x36x4	540
STSH 35 7-1F	35	7.13x2.87x35	0.188	7	22.0	155	16.9	155	12.1	155	13-1/2	1x36x4	700
STSH 39 7-1F	39	7.13x2.87x39	0.188	7	19.5	110	13.5	110	9.2	110	13-1/2	1x36x4	740

Pole Data

Shaft base size	Bolt circle A	Bolt projection B	Base square	Anchor bolt description	Template number
4.0" F	8-1/2"-10"	3-1/2"-4-1/4"	9-3/4"	AB18-0	PJ50091
6.4" B	12-1/2"	3-3/4"-4-1/2"	11-7/8"	AB36-0	PJ50092
7.1" F	13-1/2"	4"-4-3/4"	12-5/8"	AB36-0	PJ50093
7.1" B	13-1/2"	3-1/2"-4-1/4"	12-5/8"	AB36-0	PJ50094

Winch Ordering

Family	Winch	Shaft size	Order nomenclature
STSH	WCH	4F	STSHWCH 4F
		6-4B	STSHWCH 6-4B
		7-1B	STSHWCH 7-1B
		7-1F	STSHWCH 7-1F

Ordering Information: See page 552

Note: Poles are available only in U.S.

INSTALLATION NOTES:

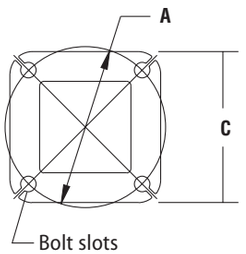
Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

Do not erect poles without having fixtures installed.

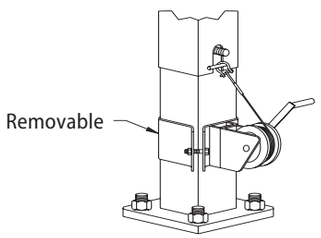
If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.

NOTES:

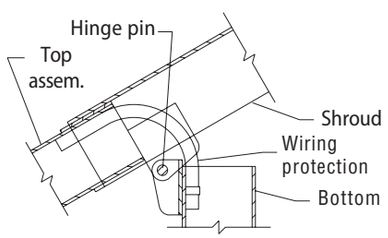
- Mounting arrangement: (PT) open top; (T20) 2-3/8" OD (2" NPS).
- Drill mounting: (DM19) 1 fixture at 90°; (DM28) 2 fixtures at 180°.
- Options, see page 576.
- Brackets, see page 578.
- Bolt lengths described are nominal. Actual bolt lengths may vary.
- Pole lengths cannot be modified.
- Galvanized Anchor Bolts available. Consult factory.
- Consult factory if product must be "Buy America."
- Hinge point is located approximately two-thirds of the way up the pole.

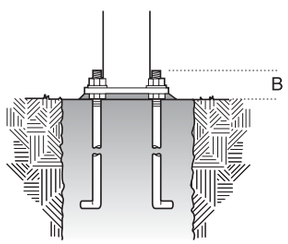


Winch detail (accessory)



External hinge detail





www.lithonia.com keyword: STSH

Round Tapered Steel

SPRTS

Features

Shaft – The cross section shall be round or 16-sided with a 4" bend radius. Each pole is a constant tapered hollow steel section and shall be up to 55 feet in length with a minimum 1-1/2 times diameter slip joint as standard. The pole shaft sections shall be high-strength low-alloy steel conforming to ASTM A572 Grade 65 or ASTM A595 Grade A. The plate shall be single thickness – no laminations.

Anchor Base – Fabricated from hot-rolled carbon steel plate that conforms to ASTM A36 or ASTM A572 Grade 42.

Hand hole – An oval, reinforced hand-hole rim having a nominal dimension of 4"x6.5". Steel cover with attachment screws included. Hand hole is located 18" above base.

Grounding – Nut holder located immediately inside hand-hole rim is tapped for 1/2" – 13 UNC ground bolt and nut (provided by others).

Anchor Bolts – Fabricated from commercial-quality hot-rolled carbon steel with minimum-yield strength of 55,000 PSI. Bolts have an "L" bend on one end.

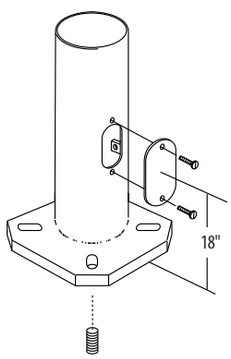
Hardware – Fasteners are high-strength galvanized zinc-plated or stainless steel.

Top Cap – Top cap provided with all drill-mount poles.

Finish – Must specify finish.

Ordering Information: See page 552

NOTE: Poles are available only in U.S.



Technical Information

		Top section		Bottom section		EPA (ft^2) with 1.3 gust								
Catalog number	Nom. mount. ht. (ft.)	Base dia. (in.)	Wall thick. (in.)	Base dia. (in.)	Wall thick. (in.)	80 mph.	Max. wt.	90 mph.	Max. wt.	100 mph.	Max. wt.	Bolt circle (in.)	Bolt size (in. x in. x in.)	# of anchor bolts
SPRTS 40 HT01	40	—	—	9	0.1193	17.2	430	13.5	338	10.8	270	12.5	1 x 36 x 4	4
SPRTS 40 HT02	40	—	—	9	0.1793	26.1	654	20.6	517	16.7	419	12.5	1.25 x 42 x 6	4
SPRTS 40 HT03	40	—	—	10	0.1793	38.6	965	30.6	765	24.6	615	13.5	1.25 x 42 x 6	4
SPRTS 50 HT01	50	—	—	10	0.1193	13.2	330	10.6	265	8.3	208	13.5	1 x 36 x 4	4
SPRTS 50 HT02	50	—	—	10	0.1793	20.5	512	16.5	412	13.6	340	13.5	1.25 x 42 x 6	4
SPRTS 50 HT03	50	—	—	11	0.1793	29.9	748	23.5	588	18.6	465	15	1.25 x 42 x 6	4
SPRTS 50 HT04	50	—	—	13	0.1793	50.4	1,260	39.7	992	31.4	785	17	1.50 x 54 x 6	4
SPRTS 50 HT05	50	—	—	13	0.2391	69.2	1,730	55.0	1,375	44.2	1,105	17.5	1.75 x 84 x 6	4
SPRTS 60 HT01	60	5	0.1196	11.5	0.1793	20.0	600	16.0	480	13.0	390	16	1.25 x 42 x 6	4
SPRTS 60 HT02	60	6.5	0.1196	13	0.1793	36.0	1,080	29.0	870	22.0	660	17	1.25 x 42 x 6	6
SPRTS 60 HT03	60	6.6	0.1793	13	0.2391	49.0	1,470	40.0	1,200	32.0	960	17	1.50 x 54 x 6	6
SPRTS 60 HT04	60	12	0.1793	15.87	0.1875	78.0	2,340	62.0	1,860	50.0	1,500	21	1.50 x 54 x 6	6
SPRTS 70 HT01	70	6.6	0.1793	13	0.1793	20.6	515	16.7	417	13.7	342	17	1.50 x 54 x 6	4
SPRTS 70 HT02	70	6.6	0.1793	13	0.2391	23.8	595	19.3	482	15.9	397	17.5	1.75 x 84 x 6	4
SPRTS 70 HT03	70	12	0.1793	14.57	0.1875	39.0	1,170	30.0	900	23.0	690	19	1.25 x 42 x 6	6
SPRTS 70 HT04	70	12	0.1793	15.87	0.1875	52.0	1,560	41.0	1,230	33.0	990	21	1.50 x 54 x 6	6
SPRTS 70 HT05	70	12	0.1793	16.82	0.1875	65.0	1,950	53.0	1,590	42.0	1,260	22.75	1.50 x 54 x 6	6
SPRTS 80 HT01	80	12	0.1793	15.87	0.1875	37.0	1,110	29.0	870	23.0	690	21	1.50 x 54 x 6	6
SPRTS 80 HT02	80	12	0.1793	16.82	0.1875	45.0	1,350	36.0	1,080	28.0	840	22.75	1.50 x 54 x 6	6
SPRTS 80 HT03	80	13	0.1875	17.53	0.2092	58.0	1,740	46.0	1,380	35.0	1,050	23	1.50 x 54 x 6	6
SPRTS 80 HT04	80	12	0.1793	18.7	0.1875	70.0	2,100	56.0	1,680	44.0	1,320	23	1.50 x 54 x 6	8

NOTES:

- Bolt lengths descibed are normal. Actual bolt lengths may vary.
- Galvanized anchor bolts available. Consult factory.
- Consult factory if product must meet "Buy America" specifications.
- Direct burial option available, consult factory.

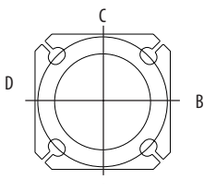
INSTALLATION NOTES:

Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

Do not erect poles without having fixtures installed.

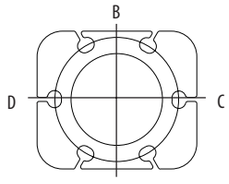
If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.

4-bolt



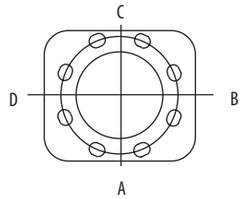
Hand hole

6-bolt



Hand hole

8-bolt



Hand hole

Angle Iron Crossarms for Steel Poles

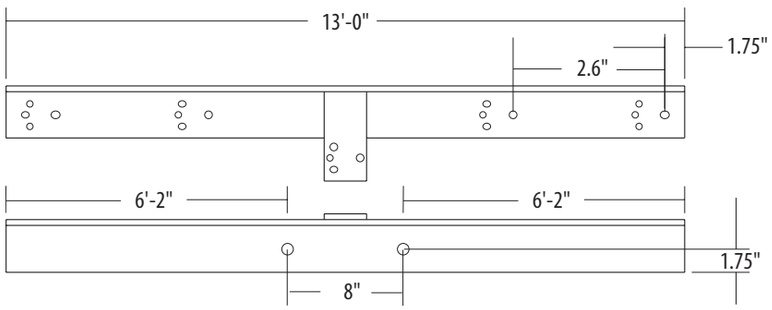
Catalog number	Arm EPA (sq. ft.)	Weight (lbs.)
ACR2	1.98	34.0
ACR3	3.12	54.0
ACR4	4.53	78.0
ACR5	5.95	103.0
ACR6	7.37	127.0

NOTE: Angle iron crossarms can be used with other poles if ordered with the pole.

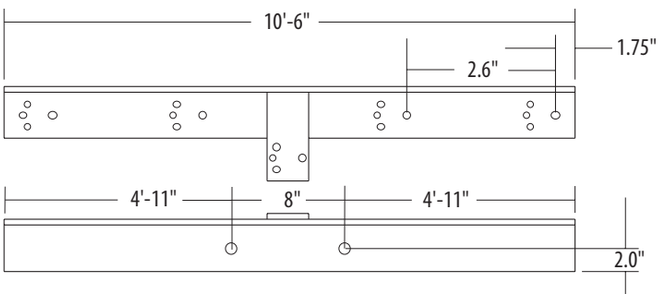
Angle Iron Crossarms for Steel Poles

Projected area is for the crossarm only. The crossarm projected area is added to the luminaire projected area to get a total effective projected area **(EPA)**.

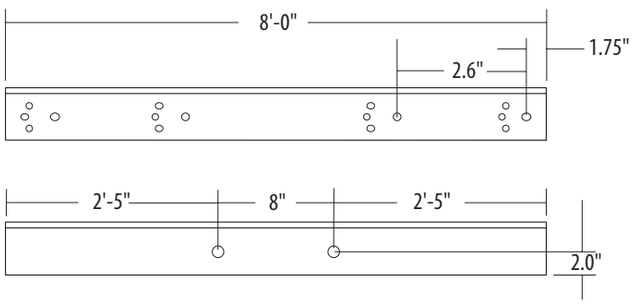
ACR6, 6-Fixture Angle Arm



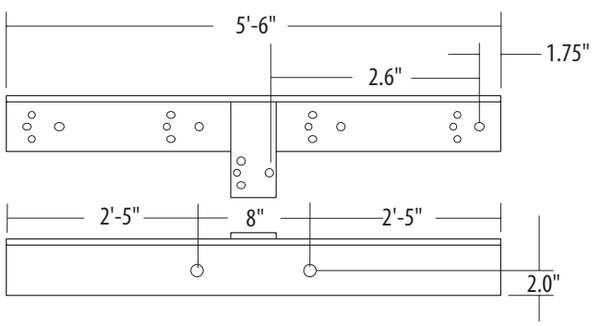
ACR5, 5-Fixture Angle Arm



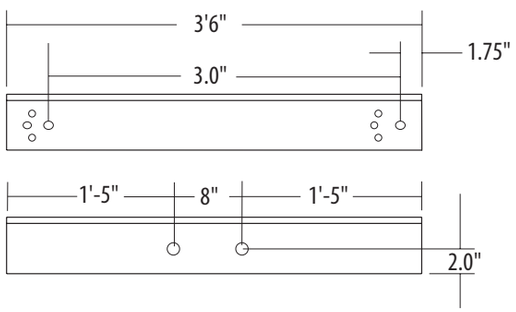
ACR4, 4-Fixture Angle Arm



ACR3, 3-Fixture Angle Arm



ACR2, 2-Fixture Angle Arm



Crossarms for SPRTS Sportslighting Poles

Tubular Crossarms for Steel Poles

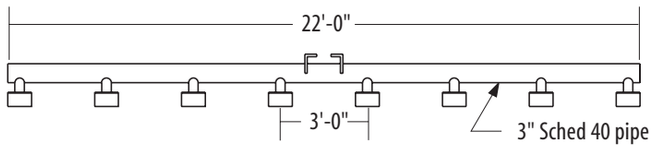
Catalog number	Arm EPA (sq. ft.)	Weight (lbs.)
CR2	1.28	44.0
CR3	2.45	65.0
CR4	3.21	98.0
CR5	4.17	116.0
CR6	5.13	150.0
CR7	6.10	176.0
CR8	7.06	271.0

NOTE: Tubular crosswarms can be used with other poles if ordered with the pole.

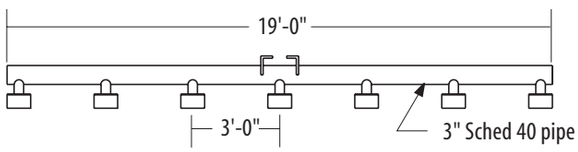
Tubular Crossarms for Steel Poles

Projected area is for the crossarm only. The crossarm projected area is added to the luminaire projected area to get a total effective projected area **(EPA)**.

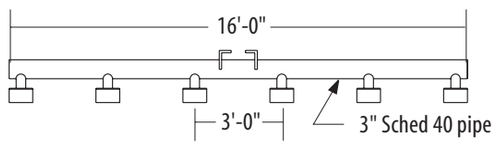
CR8, 8-Fixture Crossarm



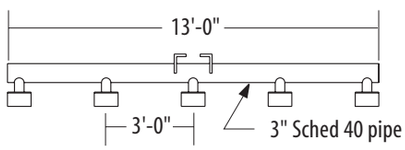
CR7, 7-Fixture Crossarm



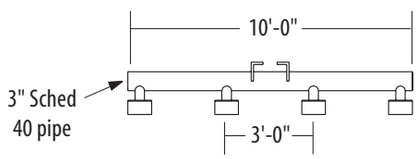
CR6, 6-Fixture Crossarm



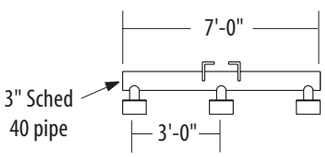
CR5, 5-Fixture Crossarm



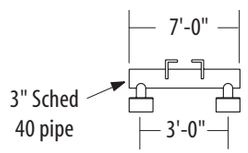
CR4, 4-Fixture Crossarm



CR3, 3-Fixture Crossarm



CR2, 2-Fixture Crossarm



SSA

Features

Shaft – Square, non-tapered shaft made from extruded 6063-T6 or 6061-T6 aluminum alloy. Shaft width is 4, 5 or 6 inches. Wall thickness is .125, .188 or .250, depending on mounting height and loading requirements.

Anchor Base – Cast from 356-T6 aluminum alloy. Anchor bolt holes are recessed and covered by aluminum caps.

Anchor Bolts – Top 12" galvanized per ASTM A-153. Made of 3/4" or 1" diameter steel rod having minimum-yield strength of 55,000 psi.

Grounding – Ground lug located immediately inside hand hole is tapped for 3/8"-16 UNC grounding bolt (by others).

Hand hole – Rectangular reinforced hand hole having nominal dimensions 2" x 4" (4" sq.) or 2-1/2" x 4" (5" or 6" sq.). Hand-hole cover plate made from aluminum alloy with attachment hardware provided.

Hardware – All screws, nuts and bolts are made of stainless steel.

Top Cap – Top is provided, for drill-mount poles.

Finish – Must specify finish. Brushed aluminum, polyester paint, and anodized finishes available.

Bolt Covers – Nut covers included with each anchor base.

Technical Information

EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (ft.)	Pole shaft size (in. x in. x ft.)	Wall thick. (in.)	80 mph	90 mph	100 mph	Max. wt.	Bolt circle (in.)	Bolt size (in. x in. x in.)	Approx. ship wt. (lbs.)
SSA 8 4C	8	4.0 x 8.0	0.125	16.5	12.6	9.9	300	8-1/2-9-5/8	3/4 x 18 x 3	32
SSA 10 4C	10	4.0 x 10.0	0.125	11.5	8.6	6.5	230	8-1/2-9-5/8	3/4 x 18 x 3	37
SSA 12 4C	12	4.0 x 12.0	0.125	12.4	9.2	6.9	160	8-1/2-9-5/8	3/4 x 18 x 3	40
SSA 14 4C	14	4.0 x 14.0	0.125	9.3	6.7	4.8	120	8-1/2-9-5/8	3/4 x 18 x 3	50
SSA 15 4C	15	4.0 x 15.0	0.125	8.0	5.6	3.9	100	8-1/2-9-5/8	3/4 x 18 x 3	52
SSA 16 4C	16	4.0 x 16.0	0.125	6.9	4.7	3.1	90	8-1/2-9-5/8	3/4 x 18 x 3	54
SSA 16 4G	16	4.0 x 16.0	0.188	11.8	8.5	6.2	130	8-1/2-9-5/8	3/4 x 30 x 3	74
SSA 16 5G	16	5.0 x 16.0	0.188	15.0	11.1	7.5	280	10-1/2-11-1/2	3/4 x 30 x 3	83
SSA 18 4C	18	4.0 x 18.0	0.125	4.9	3.0	1.7	70	8-1/2-9-5/8	3/4 x 18 x 3	57
SSA 18 4G	18	4.0 x 18.0	0.188	9.2	6.4	4.4	100	8-1/2-9-5/8	3/4 x 30 x 3	80
SSA 18 5G	18	5.0 x 18.0	0.188	16.8	12.2	8.9	230	10-1/2-11-1/2	3/4 x 30 x 3	91
SSA 20 4C	20	4.0 x 20.0	0.125	3.3	1.7	0.5	40	8-1/2-9-5/8	3/4 x 18 x 3	62
SSA 20 4G	20	4.0 x 20.0	0.188	7.0	4.6	2.9	80	8-1/2-9-5/8	3/4 x 30 x 3	85
SSA 20 5G	20	5.0 x 20.0	0.188	13.6	9.5	6.6	180	10-1/2-11-1/2	3/4 x 30 x 3	107
SSA 20 6G	20	6.0 x 20.0	0.188	22.0	15.9	11.6	230	12-13	1 x 36 x 4	155
SSA 20 6J	20	6.0 x 20.0	0.250	30.4	22.6	17.0	300	12-13	1 x 36 x 4	202
SSA 25 5G	25	5.0 x 25.0	0.188	7.2	4.2	2.0	110	10-1/2-11-1/2	3/4 x 30 x 3	130
SSA 25 6G	25	6.0 x 25.0	0.188	13.2	8.6	5.4	180	12-13	1 x 36 x 4	180
SSA 25 6J	25	6.0 x 25.0	0.250	19.7	13.8	9.5	250	12-13	1 x 36 x 4	224
SSA 30 6G	30	6.0 x 30.0	0.188	7.0	3.4	0.8	130	12-13	1 x 36 x 4	210
SSA 30 6J	30	6.0 x 30.0	0.250	12.2	7.5	4.1	170	12-13	1 x 36 x 4	258
SSA 32 6J	32	6.0 x 32.0	0.250	9.7	5.4	2.3	160	12-13	1 x 36 x 4	272
SSA 35 6J	35	6.0 x 35.0	0.250	6.4	2.6	—	200	12-13	1 x 36 x 4	294
SSA 35 7J	35	6.0 x 35.0	0.250	7.6	3.1	—	150	14-1/8-15-1/8	1 x 36 x 4	290

Pole Data

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Anchor bolt description	Template number
4"C	8-1/2-9-5/8"	3-1/8"	9-15/16"	AB18-0	PJ50045
4"G	8-1/2-9-5/8"	3-1/8"	9-15/16"	AB30-0	PJ50045
5"	10-1/2-11-1/2"	3-1/4"	11-9/16"	AB30-0	PJ50046
6"	12"-13"	4"	12-1/4"	AB36-0	PJ50044
7"	14-1/8-15-1/8"	4-1/4"	15-1/8"	AB36-0	PJ50130

NOTES:

- Mounting arrangement: (PT) Open top; (T20) 2-3/8" OD (2" NPS)
- Drill mounting: (DM19) 1 fixture at 90°; (DM28) 2 fixtures at 180°.
- Options, see page 576.
- Brackets, see page 578.
- Bolt lengths described are nominal, actual bolt lengths may vary.
- Direct burial option available. Consult factory.
- Galvanized anchor bolts available. Consult factory.
- Consult factory if product must meet "Buy American" specifications.

Ordering Information: See page 552

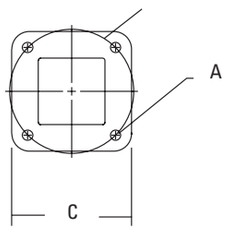
NOTE: Poles are available only in U.S.

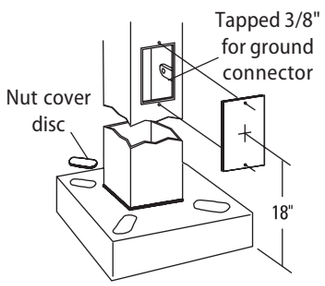
INSTALLATION NOTES:

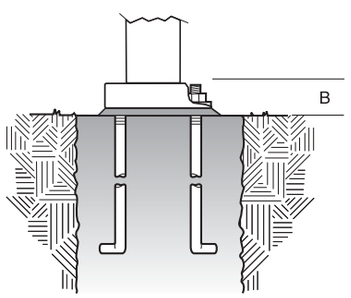
Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

Do not erect poles without having fixtures installed.

If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.







Square Straight Cruciform Aluminum

SSCA

NEW

Features

Shaft – Square, cruciform, non-tapered shaft made from extruded seamless 6000 series alloy aluminum tubing. Shaft width is 4 or 6 inches. Wall thickness is .188".

Anchor Base – Cast from A356 alloy aluminum. Anchor bolt holes are recessed and are covered by tamper resistant aluminum nut cover disks.

Grounding – Ground lug located immediately inside hand hole is tapped for 3/8"-16 UNC grounding bolt (by others).

Hand hole – Rectangular reinforced hand hole having nominal dimensions of 2" x 4". Hand-hole cover plate made from aluminum alloy with attachment hardware provided.

Top Cap – Top cap is provided for drill mount poles.

Finish – Must specify finish. Brushed aluminum, polyester powder paint, and anodized finishes available.

Bolt Covers – Nut covers included with each anchor base.

Ordering Information: See page 552

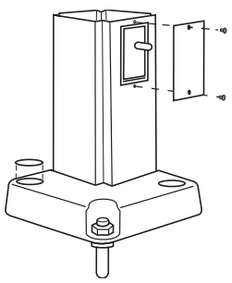
NOTE: Poles are available only in U.S.

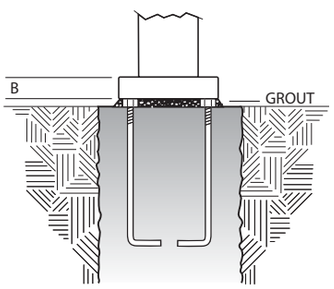
INSTALLATION NOTES:

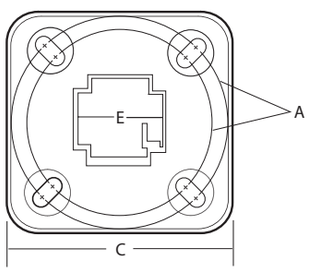
Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

Do not erect poles without having fixtures installed.

If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.







Technical Information

EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (Ft.)	Pole shaft (size) (in. x in. x ft.)	Wall thick. (in.)	80 mph	90 mph	100 mph	Max. wt. (in. x in. x in.)	Approx. bolt circle (in.)	Bolt size	ship wt. (lbs.)
SSCA 8 4G	8'	4.0 x 8.0	0.188	30.2	23.5	18.6	350	8-1/2 - 9-5/8	3/4 x 18 x 4	-
SSCA 10 4G	10	4.0 x 10.0	0.188	23.5	18	14.1	260	8-1/2 - 9-5/8	3/4 x 18 x 4	-
SSCA 12 4G	12	4.0 x 12.0	0.188	18.4	13.9	10.7	260	8-1/2 - 9-5/8	3/4 x 18 x 4	-
SSCA 15 4G	15	4.0 x 15.0	0.188	10.6	7.7	5.6	200	8-1/2 - 9-5/8	3/4 x 18 x 4	-
SSCA 18 4G	18	4.0 x 18.0	0.188	7.2	4.9	3.2	200	8-1/2 - 9-5/8	3/4 x 18 x 4	-
SSCA 18 6G	18	6.0 x 18.0	0.188	21.7	15.9	11.7	260	12.0 - 13.0	1 x 36 x 4	-
SSCA 20 4G	20	4.0 x 20.0	0.188	5.8	3.6	2	100	8-1/2 - 9-5/8	3/4 x 18 x 4	-
SSCA 20 6G	20	6.0 x 20.0	0.188	18.3	13	9.2	150	12.0 - 13.0	1 x 36 x 4	-
SSCA 25 6G	25	6.0 x 25.0	0.188	11	6.8	3.7	150	12.0 - 13.0	1 x 36 x 4	-
SSCA 30 6G	30	6.0 x 30.0	0.188	4.5	1.4	-	260	12.0 - 13.0	1 x 36 x 4	-

Pole Data

Shaft base size	Bolt circle A	Bolt Projection B	Base Square C	Anchor bolt description	Template number
4"	8-1/2 - 9-5/8	3-1/8"	9-15/16"	AB18-0	PJ50131
6"	12.0 - 13.0	4"	12-3/4"	AB36-0	PJ50132

NOTES:

- Mounting arrangement: (PT) open top; (T20) 2-3/8" OD (2" NPS)
- Drill mounting: (DM19) 1 fixture at 90°; (DM28) 2 fixtures at 180°
- Options, see page 576.
- Brackets, see page 578.
- Bolt lengths described are nominal, actual bolt lengths may vary.
- Galvanized anchor bolts available. Consult factory.
- Consult factory if product must meet "Buy America" specifications.

RSA

Features

Shaft – One-piece extruded 6063-T6 aluminum alloy with T6 temper. Circumferential satin-brushed finish. 4-1/2" round straight tube is uniform in cross-section down length of shaft.

Anchor Base – Cast from A356 aluminum alloy and heat treated to T6 temper. Base slipfits shaft, and they are joined together by continuous circumferential welds at both top and bottom of anchor base to provide maximum strength at area of critical stress.

Anchor Bolts – Top 12" is galvanized per ASTM A-153. Made of carbon steel bar with a minimum-yield strength of 55,000 psi.

Grounding – Ground lug located immediately inside hand hole is tapped for 3/8"-16 UNC ground bolt (not supplied).

Hand hole – Reinforced 3"x5" hand hole is located 18" above base, (4" poles have a 2" x 4" cover) Cover and attachment hardware furnished.

Hardware – Stainless steel.

Top Cap – Top cap is provided for drill-mount poles.

Finish – Must specify a finish. Brushed aluminum, polyester powder paint and anodized finishes available.

Bolt Covers – A356 nut covers included with anchor base unless otherwise specified.

Technical Information

EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (ft.)	Pole shaft size (in. x in. x ft.)	Wall thick. (in.)	80 mph	90 mph	100 mph	Max. wt.	Bolt circle (in.)	Bolt size (in. x in. x in.)	Approx. ship wt. (lbs.)
4 Bolt Base										
RSA 8 4C	8	4.0 x 8.0	0.125	11.2	8.6	6.8	125	6-1/2-8-1/4	3/4 x 18 x 3	22
RSA 10 4C	10	4.0 x 10.0	0.125	8.2	6.1	4.7	100	6-1/2-8-1/4	3/4 x 18 x 3	26
RSA 12 4C	12	4.0 x 12.0	0.125	6.0	4.3	3.2	110	6-1/2-8-1/4	3/4 x 18 x 3	30
RSA 12 4-5C	12	4.5 x 12.0	0.125	8.1	6.0	4.8	80	7-1/8-8-3/8	3/4 x 18 x 3	38
RSA 14 4C	14	4.0 x 14.0	0.125	4.1	2.8	1.9	75	6-1/2-8-1/4	3/4 x 18 x 3	35
RSA 14 4-5C	14	4.5 x 14.0	0.125	5.8	4.2	3.3	60	7-1/8-8-3/8	3/4 x 18 x 3	42
RSA 14 5C	14	5.0 x 14.0	0.125	7.8	6.0	4.7	100	7-1/2-9-1/2	3/4 x 18 x 3	39
RSA 16 4C	16	4.0 x 16.0	0.125	2.8	1.6	1.0	150	6-1/2-8-1/2	3/4 x 18 x 3	38
RSA 16 4-5C	16	4.5 x 16.0	0.125	4.2	2.8	2.1	50	7-1/8-8-3/8	3/4 x 18 x 3	46
RSA 16 4-5G	16	4.5 x 16.0	0.188	7.5	5.5	4.3	155	7-1/8-8-3/8	3/4 x 18 x 3	62
RSA 16 5C	16	5.0 x 16.0	0.125	5.9	4.4	3.4	175	7-1/2-9-1/2	3/4 x 18 x 3	46
RSA 16 5E	16	5.0 x 16.0	0.156	8.0	6.1	4.8	190	7-1/2-9-1/2	3/4 x 18 x 3	53
RSA 18 4-5G	18	4.5 x 18.0	0.188	5.7	4.0	3.1	123	7-1/8-8-3/8	3/4 x 18 x 3	68
RSA 18 5C	18	5.0 x 18.0	0.125	4.3	3.1	2.4	150	7-1/2-9-1/2	3/4 x 18 x 3	48
RSA 18 5E	18	5.0 x 18.0	0.156	6.1	4.6	3.5	175	7-1/2-9-1/2	3/4 x 18 x 3	58
RSA 18 5G	18	5.0 x 18.0	0.188	8.0	6.8	4.7	225	7-1/2-9-1/2	3/4 x 18 x 3	68
RSA 20 4-5G	20	4.5 x 20.0	0.188	4.3	2.9	2.1	95	7-1/8-8-3/8	3/4 x 18 x 3	74
RSA 20 5C	20	5.0 x 20.0	0.125	3.0	2.1	1.5	150	7-1/2-9-1/2	3/4 x 18 x 3	54
RSA 20 5E	20	5.0 x 20.0	0.156	4.7	3.4	2.6	150	7-1/2-9-1/2	3/4 x 18 x 3	68
RSA 20 5G	20	5.0 x 20.0	0.188	6.4	4.8	3.6	150	7-1/2-9-1/2	3/4 x 18 x 3	82
RSA 20 6E	20	6.0 x 20.0	0.156	9.3	7.1	5.5	175	8-3/4-10-1/4	3/4 x 30 x 3	95
RSA 25 4-5G	25	4.5 x 25.0	0.188	1.3	—	—	100	7-1/8-8-3/8	3/4 x 18 x 3	89
RSA 25 6E	25	6.0 x 25.0	0.156	5.2	3.8	2.8	150	8-3/4-10-1/4	3/4 x 30 x 3	108
RSA 25 6G	25	6.0 x 25.0	0.188	7.1	5.3	4.0	150	8-3/4-10-1/4	3/4 x 30 x 3	128
RSA 30 6G	30	6.0 x 30.0	0.188	3.5	2.4	1.6	200	8-3/4-10-1/4	3/4 x 30 x 3	146
3 Bolt Base										
3RSA 8 3C	8	3.0 x 8.0	0.125	5.8	4.3	3.3	75	5-1/2-7	3/4 x 18 x 3	22
3RSA 10 3C	10	3.0 x 10.0	0.125	4.0	2.9	2.1	75	5-1/2-7	3/4 x 18 x 3	26
3RSA 10 4C	10	4.0 x 10.0	0.125	8.2	6.1	4.7	75	6-5/16-7-3/8	3/4 x 18 x 3	26
3RSA 12 3C	12	3.0 x 12.0	0.125	2.7	1.8	1.2	75	5-1/2-7	3/4 x 18 x 3	30
3RSA 12 4C	12	4.0 x 12.0	0.125	5.8	4.2	3.1	150	6-5/16-7-3/8	3/4 x 18 x 3	30
3RSA 12 5C	12	5.0 x 12.0	0.125	10.3	8	6.3	150	7-3/8-8-1/2	3/4 x 18 x 3	36
3RSA 14 3C	14	14.0 x 3.0	0.125	1.7	1.0	0	75	5-1/2-7	3/4 x 18 x 3	35
3RSA 14 4C	14	14.0 x 4.0	0.125	4.1	2.8	1.9	150	6-5/16-7-3/8	3/4 x 18 x 3	35
3RSA 14 5C	14	14.0 x 5.0	0.125	7.9	6.0	4.7	150	7-3/8-8-1/2	3/4 x 18 x 3	39
3RSA 16 4C	16	4.0 x 16.0	0.125	2.8	1.6	1.0	150	6-5/16-7-3/8	3/4 x 18 x 3	38
3RSA 16 5E	16	5.0 x 16.0	0.156	8.0	6.1	4.8	150	7-3/8-8-1/2	3/4 x 18 x 3	53
3RSA 18 5C	18	5.0 x 18.0	0.125	4.3	3.1	2.4	150	7-3/8-8-1/2	3/4 x 18 x 3	48
3RSA 20 5C	20	5.0 x 20.0	0.125	2.9	2.0	1.4	150	7-3/8-8-1/2	3/4 x 18 x 3	54
3RSA 20 5E	20	5.0 x 20.0	0.156	4.6	3.3	2.5	150	7-3/8-8-1/2	3/4 x 18 x 3	68

Pole Data

	Shaft base size	Bolt circle A	Bolt projection B	Base square C	Anchor bolt description	Template number
4 bolt base	4"	6-1/2"-8-1/4"	3-1/4"	8-3/4"	AB18-0	PJ50057
	4-1/2"	7"-8-1/2"	3-1/4"	8-1/2"	AB18-0	PJ50040
	5"	7-1/2"-9-1/2"	3-1/4"	9-1/4"	AB18-0	PJ50058
	6"	8-3/4"-10-1/4"	3-1/2"	10-1/4"	AB30-0	PJ50059
3 bolt base	3"	51/2"-7"	3-1/4"	7-1/2"	AB18-0	PJ50125
	4"	6-5/16"-7-3/8"	3-1/4"	8-7/8"	AB18-0	PJ50126
	5"	7-3/8"-8-1/2"	3-1/4"	10-1/4"	AB18-0	PJ50127

Ordering Information: See page 552

NOTE: Poles are available only in U.S.

INSTALLATION NOTES:

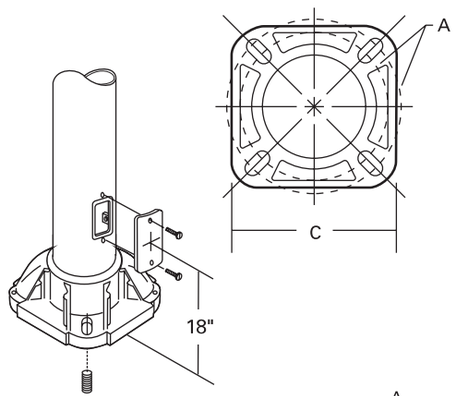
Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

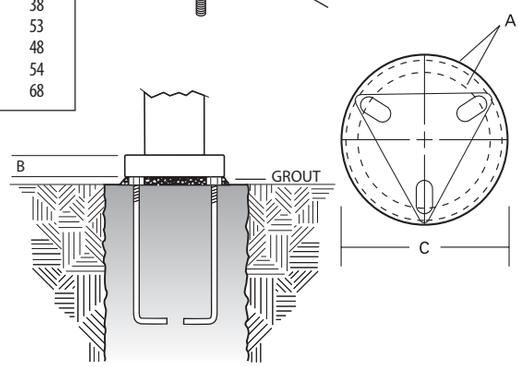
Do not erect poles without having fixtures installed.

If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.

NOTES:

- Mounting Arrangement: (PT) open top; (T20) 2-3/8" OD (2" NPS)
- Drill Mounting: (DM19) 1 fixture at 90°; (DM28) 2 fixtures at 180°
- Options, see page 576.
- Brackets, see page 578.
- Bolt lengths described are nominal, actual bolt lengths may vary.
- Direct burial option available. Consult factory.
- Galvanized anchor bolts available. Consult factory.
- Consult factory if product must meet "Buy America" specifications.





www.lithonia.com, keyword: RSA

Round Tapered Aluminum

RTA

Features

Shaft – The shaft is spun tapered from seamless 6063 alloy aluminum tubing and is heat-treated to produce a T6 temper. The shaft is cone tapered to the butt diameter.

Anchor Base – Cast from A356 alloy aluminum, the anchor base is heat-treated to a T6 condition. The anchor base telescopes the pole shaft and is circumferentially welded top and bottom.

Anchor Bolts – Top 12" galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 PSI.

Grounding – A ground lug located immediately inside the hand hole is tapped round bolt (by others).

Hand hole – A nominal 3"x5" or 4"x6" reinforced flushed covered hand hole is centered 18" above the base.

Hardware – All screws, nuts and bolts are made of stainless steel.

Top Cap – Top cap is provided for drill-mount poles.

Finish – Must specify a finish. Brushed aluminum, polyester powder paint and anodized finishes available.

Bolt Covers – A356 nut covers shall be included with each anchor base unless otherwise specified.

Ordering Information: See page 552

NOTE: Poles are available only in U.S.

INSTALLATION NOTES:

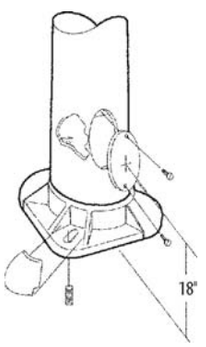
Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

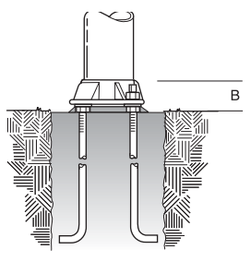
Do not erect poles without having fixtures installed.

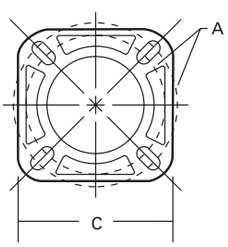
If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.

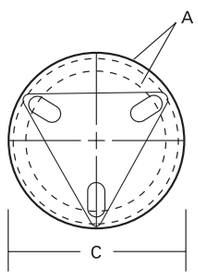
NOTES:

- Mounting Arrangement: (PT) open top; (T20) 2-3/8" OD (2" NPS)
- Drill Mounting: (DM19) 1 fixture at 90°; (DM28) 2 fixtures at 180°
- Options, see page 576.
- Brackets, see page 578.
- Bolt lengths described are nominal, actual bolt lengths may vary.
- Direct burial option available. Consult factory.
- Galvanized anchor bolts available. Consult factory.
- Consult factory if product must meet "Buy America" specifications.









Technical Information

EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount ht. (ft.)	Pole shaft size (in. x in. x ft.)	Wall thickness (in.)	80 mph	90 mph	100 mph	Max. wt.	Bolt circle (in.)	Bolt size (in. x in. x in.)	Approx ship wt. (lbs.)
4 Bolt Base										
RTA 20 5C	20	5 x 3 x 19'8"	0.125	3.9	2.5	1.6	100	7-1/2-9-1/2	3/4 x 18 x 3	62
RTA 20 5G	20	5 x 3 x 19'8"	0.188	7.4	5.2	3.8	100	7-1/2-9-1/2	3/4 x 18 x 3	72
RTA 20 6G	20	6 x 4 x 19'8"	0.188	12.2	9.2	7.2	214	9–10	3/4 x 30 x 3	107
RTA 20 7E	20	7 x 4 x 19'8"	0.156	15.0	11.4	9.0	256	9-7/8-11-1/4	1 x 36 x 4	103
RTA 25 6E	25	6 x 4 x 24' 8"	0.156	5.3	3.6	2.6	114	9–10	3/4 x 30 x 3	106
RTA 25 7E	25	7 x 4 x 24'8"	0.156	9.5	7.0	5.4	162	9-7/8-11-1/4	1 x 36 x 4	120
RTA 25 8E	25	8 x 4.5 x 24' 8"	0.156	14.2	10.9	8.5	220	11–12	1 x 36 x 4	130
RTA 25 8G	25	8 x 4.5 x 24' 8"	0.188	18.0	13.8	10.9	261	11–12	1 x 36 x 4	153
RTA 30 7E	30	7 x 4 x 29'8"	0.156	5.5	3.8	2.7	111	9-7/8-11-1/4	1 x 36 x 4	135
RTA 30 8E	30	8 x 4.5 x 29'8"	0.156	9.4	7.0	5.3	151	11–12	1 x 36 x 4	150
RTA 30 8G	30	8 x 4.5 x 29'8"	0.188	12.4	9.4	7.3	179	11–12	1 x 36 x 4	175
RTA 30 10G	30	10 x 6 x 29'8"	0.188	23.8	18.3	14.3	377	14-1/4-16-1/4	1 x 40 x 4	235
RTA 35 8E	35	8 x 4.5 x 34'8"	0.156	5.8	4.1	2.9	119	11–12	1 x 36 x 4	185
RTA 35 8G	35	8 x 4.5 x 34'8"	0.188	8.3	6.0	4.5	141	11–12	1 x 36 x 4	220
RTA 35 8J	35	8 x 4.5 x 34'8"	0.250	12.9	9.7	7.5	183	11–12	1 x 36 x 4	251
RTA 35 10G	35	10 x 6 x 34'8"	0.188	17.9	13.6	10.4	295	14-1/4-16-1/4	1 x 40 x 4	268
RTA 39 8G	39	8 x 4.5 x 38'8"	0.188	5.6	3.9	2.7	122	11–12	1 x 36 x 4	250
RTA 39 8J	39	8 x 4.5 x 38'8"	0.250	9.7	7.1	5.4	158	11–12	1 x 36 x 4	280
RTA 39 10G	39	10 x 6 x 38'8"	0.188	14.2	10.5	7.8	253	14-1/4-16-1/4	1 x 40 x 4	295
RTA 39 10J	39	10 x 6 x 38'8"	0.250	20.4	15.5	11.9	300	14-1/2-16	1-1/4 x 48 x 5	373
3 Bolt Base										
3RTA 8 4C	8	4.0 x 8.0	0.125	12.1	9.3	7.3	75	6-1/2-7-1/4	3/4 x 18 x 3	n/a
3RTA 10 4C	10	4.0 x 10.0	0.125	8.8	6.7	5.2	75	6-1/2-7-1/4	3/4 x 18 x 3	n/a
3RTA 12 4C	12	4.0 x 12.0	0.125	6.6	4.8	3.6	75	6-1/2-7-1/4	3/4 x 18 x 3	n/a
3RTA 14 4C	14	4.0 x 14.0	0.125	4.9	3.4	2.4	75	6-1/2-7-1/4	3/4 x 18 x 3	n/a
3RTA 16 4C	16	4.0 x 16.0	0.125	3.5	2.3	1.5	75	6-1/2-7-1/4	3/4 x 18 x 3	n/a
3RTA 16 5C	16	5.0 x 16.0	0.125	6.9	5.0	3.8	75	7-1/2-8-1/2	3/4 x 18 x 3	n/a
3RTA 18 5C	18	5.0 x 18.0	0.125	5.0	3.5	2.5	150	7-1/2-8-1/2	3/4 x 18 x 3	n/a
3RTA 18 5E	18	5.0 x 18.0	0.156	7.0	5.0	3.7	150	7-1/2-8-1/2	3/4 x 18 x 3	n/a
3RTA 20 5C	20	5.0 x 20.0	0.125	3.8	2.5	1.6	150	7-1/2-8-1/2	3/4 x 18 x 3	62
3RTA 20 5E	20	5.0 x 20.0	0.156	5.5	3.8	2.6	150	7-1/2-8-1/2	3/4 x 18 x 3	70

Pole Data

	Shaft base size	Bolt circle A	Bolt projection B	Base square C	Anchor bolt description	Template number
4 Bolt Base	5"	7-1/2"–9-1/2"	3-1/4"	9-1/4"	AB18-0	PJ50032
	6"	9"–10"	3-1/2"	10"	AB30-0	PJ50033
	7"	9-7/8"–11-1/4"	4-1/8"	10-1/2"	AB36-0	PJ50034
	8"	11-12"	4-1/4"	11-1/2"	AB36-0	PJ50035
	10"G	14-1/4"–16-1/4"	4-1/2"	14-1/2"	AB40-0	PJ50036
	10"J	14-1/2"–16"	5"	14-1/2"	AB48-0	PJ50063
3 Bolt Base	4"	6-1/2"–7-1/4"	3-1/4"	8-7/8"	AB18-0	PJ50128
	5"	7-1/2"–8-1/2"	3-1/4"	10-1/4"	AB18-0	PJ50129

RTAU

Features

Shaft – The shaft is spun tapered from seamless 6063 alloy aluminum tubing and is heat-treated to produce a T6 temper. The shaft is cone tapered to the butt diameter.

Arm – Body of the mounting arm is tapered aluminum alloy 6063-T6 tube with 2-3/8" OD (2" NPS) pipe size at luminaire end. The pole end of the arm is welded to an aluminum alloy 6063-T6 mounting plate.

Mounting – The mounting plate is designed to be bolted to the shaft using four 1/2" stainless steel bolts, nuts and washers. A grommet is provided for the 1-1/4" diameter wiring hole between the pole shaft and the bracket arm.

Anchor Base – Cast from A356 alloy aluminum, the anchor base is heat-treated to a T6 condition. The anchor base telescopes the pole shaft and is circumferentially welded top and bottom.

Anchor Bolts – Top 12" galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 PSI.

Grounding – A ground lug located immediately inside the hand hole is tapped for 3/8"-16 UNC grounding bolt (by others).

Hand hole – A nominal 3"x5" or 4"x6" reinforced flushed covered hand hole is centered 18" above the base.

Hardware – All screws, nuts and bolts are made of stainless steel.

Top Cap – Top cap is provided.

Finish – Must specify a finish. Brushed aluminum, polyester powder paint and anodized finishes available.

Bolt Covers – A356 nut covers shall be included with each anchor base unless otherwise specified.

Technical Information

Ordering Information: See page 552

NOTE: Poles are available only in U.S.

Catalog number		Nom. mount. (ft.)	Mtg. arm length (ft.)	Pole shaft size (in. x in.)	Wall thick. (in.)	(per arm) EPA ft² w/1.3 gust up to 100 mph		Max. wt. (lbs.)	Bolt circle (in.)	Bolt size (in. x in. x in.)	Approx. ship wt. (lbs.)	
Single arms	*Double arms*					*Single arms*	*Double arms*				*Single arms*	*Double arms*
RTAU 20 6E BMA US4	**RTAU 20 6E BMA 2US4**	20	4'	4" x 6"	0.156"	2	1.5	80	9-10"	3/4 x 30 x 3	153	205
RTAU 20 6E BMA US6	**RTAU 20 6E BMA 2US6**	20'	6'	4" x 6"	0.156"	2	0.9	80	9-10"	3/4 x 30 x 3	153	205
RTAU 20 6E BMA US8	**RTAU 20 6E BMA 2US8**	20'	8'	4" x 6"	0.156"	1.7	n/a	80	9-10"	3/4 x 30 x 3	153	205
RTAU 25 7E BMA US4	**RTAU 25 7E BMA 2US4**	25'	4'	4" x 7"	0.156"	2	1.3	80	10-11"	1 x 36 x 4	170	220
RTAU 25 7E BMA US6	**RTAU 25 7E BMA 2US6**	25'	6'	4" x 7"	0.156"	2	0.8	80	10-11"	1 x 36 x 4	170	220
RTAU 25 7E BMA US8	**RTAU 25 7E BMA 2US8**	25''	8'	4" x 7"	0.156"	1.7	n/a	80	10-11"	1 x 36 x 4	170	220
RTAU 30 7E BMA US4	**RTAU 30 7E BMA 2US4**	30'	4'	4" x 7"	0.156"	1.5	1.3	80	10-11"	1 x 36 x 4	185	235
RTAU 30 7E BMA US6	**RTAU 30 7E BMA 2US6**	30'	6'	4" x 7"	0.156"	1.1	0.8	80	10-11"	1 x 36 x 4	185	235
RTAU 30 7E BMA US8	**RTAU 30 7E BMA 2US8**	30'	8'	4" x 7"	0.156"	n/a	0.9	80	10-11"	1 x 36 x 4	185	235
RTAU 35 8E BMA US4	N/A	35'	4'	4.5" x 8"	0.156"	1.7	n/a	80	11-12"	1 x 36 x 4	235	n/a
RTAU 35 8E BMA US6	N/A	35'	6'	4.5" x 8"	0.156"	1.3	n/a	80	11-12"	1 x 36 x 4	235	n/a
RTAU 35 8E BMA US8	N/A	35'	8'	4.5" x 8"	0.156"	n/a	n/a	80	11-12"	1 x 36 x 4	235	n/a
N/A	**RTAU 35 8J BMA 2US4**	35'	4'	4.5" x 8"	0.250"	n/a	2	80	11-12"	1 x 36 x 4	n/a	350
N/A	**RTAU 35 8J BMA 2US6**	35'	6'	4.5" x 8"	0.250"	n/a	2	80	11-12"	1 x 36 x 4	n/a	350
N/A	**RTAU 35 8J BMA 2US8**	35'	8'	4.5" x 8"	0.250"	n/a	1.1	80	11-12"	1 x 36 x 4	n/a	350
RTAU 40 8G BMA US4	N/A	40'	4'	4.5" x 8"	0.188"	1.6	n/a	80	11-12"	1 x 36 x 4	300	n/a
RTAU 40 8G BMA US6	N/A	40'	6'	4.5" x 8"	0.188"	1.1	n/a	80	11-12"	1 x 36 x 4	300	n/a
RTAU 40 8G BMA US8	N/A	40'	8'	4.5" x 8"	0.188"	n/a	n/a	80	11-12"	1 x 36 x 4	300	n/a
N/A	**RTAU 40 8J BMA 2US4**	40'	4'	4.5" x 8"	0.250"	n/a	1.4	80	11-12"	1 x 36 x 4	n/a	380
N/A	**RTAU 40 8J BMA 2US6**	40'	6'	4.5" x 8"	0.250"	n/a	0.8	80	11-12"	1 x 36 x 4	n/a	380
N/A	**RTAU 40 8J BMA 2US8**	40'	8'	4.5" x 8"	0.250"	n/a	n/a	80	11-12"	1 x 36 x 4	n/a	380

INSTALLATION NOTES:

Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

Do not erect poles without having fixtures installed.

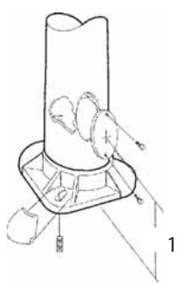
If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.

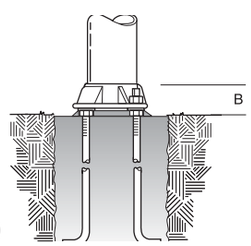
NOTES:

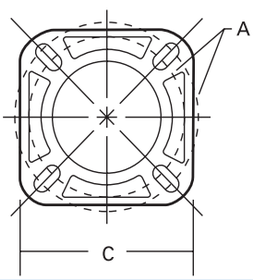
- Mounting Arrangement: (PT) open top; (T20) 2-3/8" OD (2" NPS)
- Drill Mounting: (DM19) 1 fixture at 90°; (DM28) 2 fixtures at 180°
- Options, see page 576.
- Brackets, see page 578.
- Bolt lengths described are nominal, actual bolt lengths may vary.
- Direct burial option available. Consult factory.
- Galvanized anchor bolts available. Consult factory.
- Consult factory if product must meet "Buy America" specifications.

Pole Data

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Anchor bolt description	Template number
6"	9"–10"	3-1/2"	10"	AB30-0	PJ50033
7"	10"–11"	4-1/8"	10-1/2"	AB36-0	PJ50034
8"	11-12"	4-1/4"	11-1/2"	AB36-0	PJ50035







www.lithonia.com, keyword: RTAU

Round Striaght Aluminum, Hinged

RSAH

Features

Shaft – One-piece extruded 6063 aluminum alloy with a T6 temper. Circumferential satin-brushed finish. The round, straight tube is uniform in cross-section down the length of the shaft.

Hinged Anchor Base – Cast from A356 aluminum alloy, the anchor base is heat-treated to a T6 temper. The shaft inserts into the tilting section of the hinged base and is joined together by continuous circumferential welds at the outside top and inside bottom. The tilting and anchored sections of the hinged base are joined by a 3/4" diameter solid aluminum pivot rod. The tilting section of the hinged base is held in a vertical position by three 1/2"-13 x 2-1/2" stainless steel hex head bolts that attach to stainless steel inserts cast into the aluminum base. A cast-aluminum two-piece cover is included.

Anchor Bolts – Top 12" galvanized per ASTM A-153. Made of carbon steel bar having a minimum-yield strength of 55,000 PSI.

Hand hole – Available as an option, and located 90° to the right of the hinge.

Hardware – Stainless steel.

Top Cap – Top cap is provided for drill-mount poles.

Finish – Must specify finish. Brushed aluminum, polyester powder paint, and anodized finishes available.

Ordering Information: See page 552

NOTE: Poles are available only in U.S.

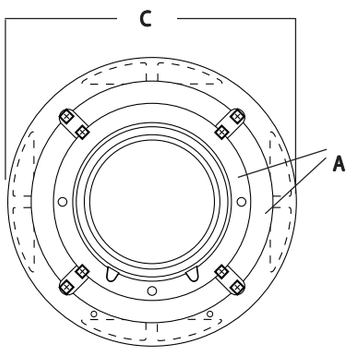
INSTALLATION NOTES:

Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

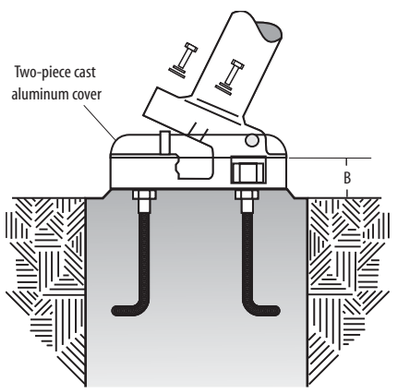
Do not erect poles without having fixtures installed.

If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.

3/4" Solid aluminum pivot rod



Tapped 3/8"-16 for ground connector



Technical Information

EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (ft.)	Pole shaft size (in. x in. x ft.)	Wall thick. (in.)	80 mph	90 mph	100 mph	max. wt.	Bolt circle (in.)	Bolt size (in. x in. x in.)	Approx. ship wt. (lbs)
RSAH 10 4C	10	4 x 4 x 10	0.125	8.2	6.1	4.7	100	8-1/2-10	3/4 x 18 x 3	43
RSAH 14 4C	14	4 x 4 x 14	0.125	4.4	3.0	2.1	100	8-1/2-10	3/4 x 18 x 3	50
RSAH 14 5E	14	5 x 5 x 14	0.156	10.6	8.2	6.5	100	8-1/2-10	3/4 x 18 x 3	66
RSAH 16 4C	16	4 x 4 x 16	0.125	3.1	1.9	1.2	100	8-1/2-10	3/4 x 18 x 3	5
RSAH 16 5C	16	5 x 5 x 16	0.125	6.2	4.7	3.6	100	8-1/2-10	3/4 x 18 x 3	60
RSAH 16 6E	16	6 x 6 x 16	0.156	13.8	10.7	8.5	100	8-1/2-10	3/4 x 30 x 3	88
RSAH 18 5C	18	5 x 5 x 18	0.125	4.5	3.3	2.5	130	8-1/2-10	3/4 x 18 x 3	65
RSAH 18 5G	18	5 x 5 x 18	0.188	8.2	6.2	4.9	130	8-1/2-10	3/4 x 18 x 3	90
RSAH 20 5C	20	5 x 5 x 20	0.125	3.2	2.2	1.6	130	8-1/2-10	3/4 x 18 x 3	69
RSAH 20 5G	20	5 x 5 x 20	0.188	6.4	4.8	3.7	130	8-1/2-10	3/4 x 18 x 3	97
RSAH 20 6G	20	6 x 6 x 20	0.188	11.7	9.0	7.1	130	8-1/2-10	3/4 x 30 x 3	110

Pole Data

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Anchor bolt description	Template number
4"	8-1/2"–10"	3-1/2"	12-5/8"	AB18-0	PJ50060
5"	8-1/2"–10"	3-1/2"	12-5/8"	AB18-0	PJ50061
6"	8-1/2"–10"	3-1/2"	12-5/8"	AB30-0	PJ50062

NOTES:

- Mounting arrangement: (PT) open top; (T20) 2-3/8" OD (2" NPS)
- Drill mounting: (DM19) 1 fixture at 90°; (DM28) 2 fixtures at 180°
- Options, see page 576.
- Brackets, see page 578.
- Bolt lengths described are normal. Actual bolt lengths may vary.
- Pole hinges at base.
- Galvanized anchor bolts available. Consult factory.
- Consult factory if product must meet "Buy America" specifications.

SSAH

Features

Shaft – Square, non-tapered shaft made from extruded 6063-T6 aluminum alloy. Shaft width is 4 or 5 inches. Wall thickness is .125 or .188 depending on mounting height and loading requirements.

Hinged Anchor Base – Cast from A356 aluminum alloy and heat treated to a T6 temper. The shaft inserts into the tilting section of the hinged base and is joined together by continuous circumferential welds at the outside top and inside bottom. The tilting and anchored sections of the hinged base is held in a vertical position by three 1/2"-13 x 2-1/2" stainless steel hex head bolts which attach to stainless steel inserts cast into the aluminum base. A cast-aluminum two-piece cover is included.

Anchor Bolts – Top 12" galvanized per ASTM A-153. Made of 3/4" diameter steel rod having minimum-yield strength of 55,000 psi.

Hand hole – Available as an option, and located 90° to the right of the hinge.

Hardware – All screws, nuts and bolts are made of stainless steel.

Top Cap – Top cap is provided for drill-mount poles.

Finish – Must specify finish. Brushed aluminum, polyester powder paint and anodized finishes available.

Technical Information

EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (ft.)	Pole shaft size (in. x in. x ft.)	Wall thick. (in.)	80 mph	90 mph	100 mph	Max. wt.	Bolt circle (in.)	Bolt size (in. x in. x in.)	Approx. ship wt. (lbs.)
SSAH 10 4C	10	4 x 4 x 10	0.125	13.1	9.9	7.5	100	8-1/2-10	3/4 x 18 x 3	48
SSAH 12 4C	12	4 x 4 x 12	0.125	9.6	7.0	5.1	100	8-1/2-10	3/4 x 18 x 3	53
SSAH 14 4C	14	4 x 4 x 14	0.125	7.0	4.9	3.3	100	8-1/2-10	3/4 x 18 x 3	57
SSAH 15 4C	15	4 x 4 x 15	0.125	6.0	4.0	2.6	100	8-1/2-10	3/4 x 18 x 3	60
SSAH 16 4C	16	4 x 4 x 16	0.125	5.0	3.2	1.9	100	8-1/2-10	3/4 x 18 x 3	62
SSAH 16 4G	16	4 x 4 x 16	0.188	8.9	6.2	4.3	150	8-1/2-10	3/4 x 30 x 3	86
SSAH 18 4C	18	4 x 4 x 18	0.125	3.4	1.8	0.7	100	8-1/2-10	3/4 x 18 x 3	67
SSAH 18 4G	18	4 x 4 x 18	0.188	6.8	4.5	2.9	100	8-1/2-10	3/4 x 30 x 3	93
SSAH 18 5G	18	5 x 5 x 18	0.188	12.6	8.8	6.1	150	9-5/16-10	3/4 x 30 x 3	108
SSAH 20 4G	20	4 x 4 x 20	0.188	5.0	3.0	1.6	150	8-1/2-10	3/4 x 30 x 3	100
SSAH 20 5G	20	5 x 5 x 20	0.188	9.9	6.6	4.2	175	9-5/16-10	3/4 x 30 x 3	117

Ordering Information: See page 552

NOTE: Poles are available only in U.S.

INSTALLATION NOTES:

Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

Do not erect poles without having fixtures installed.

If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.

Pole Data

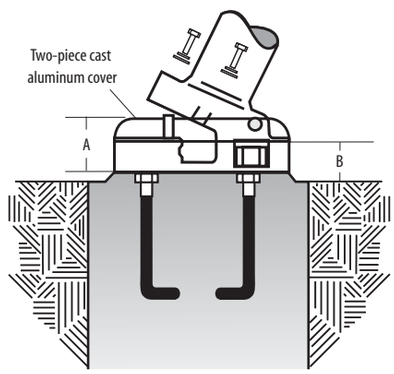
Shaft base size	Bolt circle A	Bolt projection B	Base square C	Anchor bolt description	Template number
4"C	8-1/2-10"	3-1/2"	11-11/16"	AB18-0	PJ50055
4"G	8-1/2-10"	3-1/2"	11-11/16"	AB30-0	PJ50055
5"	9-5/16-10"	3-1/2"	11-11/16"	AB30-0	PJ50056

NOTES:

- Mounting arrangement: (PT) open top; (T20) 2-3/8" OD (2" NPS)
- Drill mounting: (DM19) 1 fixture at 90°; (DM28) 2 fixtures at 180°
- Options, see page 576.
- Brackets, see page 578.
- Bolt lengths described are nominal. Actual bolt lengths may vary.
- Pole hinges at base.
- Galvanized anchor bolts available. Consult factory.
- Consult factory if product must meet "Buy America" specifications.

Hinge direction

"A" side of pole



www.lithonia.com, keyword: SSAH

Round Tapered Fiberglass

RTF

Features

Shaft – Constructed by the filament winding process from thermosetting polyester resin and contains a minimum of 65 percent "E" type fiberglass by weight. The filament windings are continuously applied with uniform tension and are placed on the pole helically at low angles to provide axial strength. Additional windings are placed on the pole in a circular manner to provide compressive strength.

Anchor Base – Heavy-duty, A356-T6 aluminum base casting which is permanently bonded to the outside of the fiberglass shaft.

Anchor Bolts – Top 12" galvanized per ASTM A-153. Made of 5/8" or 1" diameter steel rod having a minimum-yield strength of 55,000 psi.

Hand hole – An oval, non-metallic, 2-1/2"x5" hand hole secured with a vandal-resistant, stainless steel 1/2" socket head screw.

Hardware – Fasteners are high-strength galvanized zinc-plated or stainless steel.

Top Cap – Top cap provided with all drill-mount poles.

Finish – Must specify color.

Ordering Information: See page 552

NOTE: Poles are available only in U.S.

INSTALLATION NOTES:

Installation requires grout to be packed under base to ensure full contact withfoundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

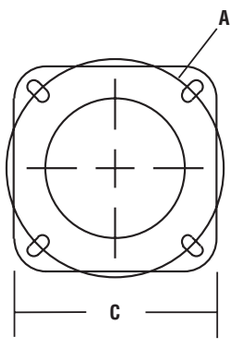
Do not erect poles without having fixtures installed.

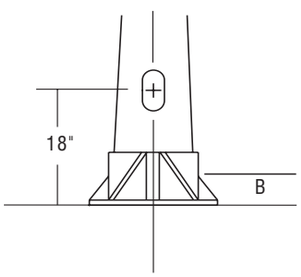
If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.

Technical Information

EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (ft.)	Pole shaft size (in. x in. x ft.)	80 mph	90 mph	100 mph	Max. wt.	Bolt circle (in.)	Bolt size (in. x in. x in.)	Approx. ship wt. (lbs.)
RTF 10 5-4X	10	5.4 x 4.1 x 10	19.0	14.6	11.4	150	8	5/8 x 21 x 3	23
RTF 12 5-6X	12	5.6 x 4.1 x 12	16.0	12.1	9.3	150	8 1/2	5/8 x 21 x 3	28
RTF 14 5-9X	14	5.9 x 4.1 x 14	14.0	10.4	7.9	150	8 1/2	5/8 x 21 x 3	32
RTF 16 6-1X	16	6.1 x 4.1 x 16	10.0	7.4	5.5	100	8 1/2	5/8 x 21 x 3	36
RTF 20 6-6X	20	6.6 x 4.1 x 20	8.2	5.8	4.1	100	9 1/2	5/8 x 21 x 3	45
RTF 20 7-3X	20	7.3 x 4.6 x 20	14.4	11.1	8.9	200	11 1/2	1 x 30 x 4	62
RTF 25 6-7X	25	6.7 x 4.1 x 25	5.4	3.4	2.0	100	9 1/2	1 x 30 x 4	55
RTF 25 7-3X	25	7.3 x 4.6 x 25	9.6	7.3	5.7	200	11 1/2	1 x 30 x 4	75
RTF 30 8-4X	30	8.4 x 4.6 x 30	11.2	8.5	6.7	100	11 1/2	1 x 30 x 4	106
RTF 30 8-5X	30	8.5 x 4.8 x 30	15.6	12.0	9.5	200	11 1/2	1 x 30 x 4	140
RTF 30 10-5X	30	10.5 x 6.6 x 30	28.7	22.4	17.4	300	14 1/2	1 x 30 x 4	202
RTF 35 8-4X	35	8.4 x 4.6 x 35	5.5	3.8	2.7	100	11 1/2	1 x 30 x 4	125
RTF 35 8-5X	35	8.5 x 4.8 x 35	8.5	6.2	4.7	200	11 1/2	1 x 30 x 4	161
RTF 35 11-2X	35	11.2 x 6.6 x 35	21.8	16.6	12.5	300	15	1 1/4 x 36 x 6	248
RTF 40 11-7X	40	11.7 x 6.2 x 40	6.4	4.3	2.4	165	15 1/2	1 1/4 x 36 x 6	165
RTF 40 11-8X	40	11.8 x 6.4 x 40	12.2	8.8	6.0	300	15 1/2	1 1/4 x 36 x 6	227
RTF 40 12X	40	12.0 x 6.9 x 40	25.8	19.3	14.3	300	15 1/2	1 1/4 x 36 x 6	317
RTF 45 11-7X	45	11.7 x 6.2 x 45	3.9	2.0	0.6	300	15 1/2	1 1/4 x 36 x 6	183
RTF 45 11-9X	45	11.9 x 6.6 x 45	15.2	10.9	7.6	300	15 1/2	1 1/4 x 36 x 6	295





Pole Data

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template number
5.4"	8"	3"	7.75"	PJ50108
5.6"	8.5"	3"	8.125"	PJ50109
5.9"	8.5"	3"	8.125"	PJ50110
6.1"	8.5"	3"	8.125"	PJ50111
6.6	9.5"	3"	8.8"	PJ50112
6.7"	9.5"	3"	8.8"	PJ50113
7.3"	11.5"	4"	11"	PJ50114
8.4"	11.5"	4"	11"	PJ50115
8.5"	11.5"	4"	11"	PJ50116
10.5"	14.5"	4"	13.3"	PJ50117
11.2	15"	4"	13.5"	PJ50118
11.7"	15.5"	4"	14"	PJ50119
11.8"	15.5"	4"	14"	PJ50120
11.9"	15.5"	4"	14"	PJ50121
12.0"	15.5"	4"	14"	PJ50122

RTFDB

Features

Shaft – Constructed by the filament winding process from thermosetting polyester resin and contains a minimum of 65 percent "E" type fiberglass by weight. The filament windings are continuously applied with uniform tension and are placed on the pole helically at low angles to provide axial strength. Additional windings are placed on the pole in a circular manner to provide compressive strength.

Hand hole – An oval, non-metallic, 2-1/2"x5" hand hole secured with a vandal-resistant, stainless steel 1/4" socket head screw.

Hardware – Fasteners are high-strength galvanized zinc-plated or stainless steel.

Top Cap – Top cap provided with all drill-mount poles.

Finish – Must specify color.

Technical Information

EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (ft.)	Pole shaft size (in. x in. x ft.)	80 mph	90 mph	100 mph	Max. wt.	Approx. ship wt. (lbs.)
RTFDB 18 6X	14	6.0 x 4.1 x 18	14.0	10.4	7.9	150	34
RTFDB 20 6-6X	16	6.6 x 4.1 x 20	10.0	7.4	5.5	100	38
RTFDB 24 6-7X	20	6.7 x 4.1 x 24	8.2	5.8	4.1	150	46
RTFDB 30 8-3X	25	8.3 x 4.4 x 30	6.2	4.7	3.6	100	71
RTFDB 30 8-4X	25	8.4 x 4.6 x 30	14.5	11.2	8.9	200	98
RTFDB 35 8-4X	30	8.4 x 4.6 x 35	10.5	8.0	6.2	200	116
RTFDB 35 8-5X	30	8.5 x 4.9 x 35	14.8	11.4	9.0	300	153
RTFDB 41 11-8X	35	11.8 x 6.4 x 41	14.3	10.8	7.8	300	218

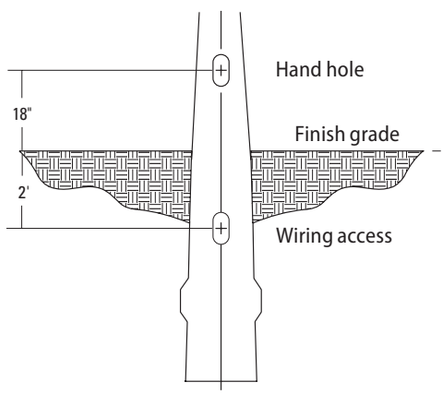
Ordering Information: See page 552

NOTE: Poles are available only in U.S.

INSTALLATION NOTES:

Do not erect poles without having fixtures installed.

If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.



Square Straight Fiberglass

SSF

Features

Shaft – Constructed by the pultrusion process from thermosetting polyester resin and contain a minimum of 65 percent "E" type fiberglass by weight. The fiberglass strands traverse the length of the pole.

Anchor Base – Heavy-duty, A356-T6 aluminum base casting is permanently bonded to the outside of the fiberglass shaft.

Anchor Bolts – Top 12" galvanized per ASTM A-153. Made of 5/8" or 1" diameter steel rod having a minimum-yield strength of 55,000 psi.

Hand hole – An oval, non-metallic, 2-1/2"x 5" hand hole secured with a vandal-resistant, stainless steel 1/4" socket head screw.

Hardware – Fasteners are high-strength galvanized zinc-plated or stainless steel.

Top Cap – Top cap provided with all drill-mount poles.

Finish – Must specify color

Base Cover – Full base cover finished to match pole.

Ordering Information: See page 552

NOTE: Poles are available only in U.S.

INSTALLATION NOTES:

Installation requires grout to be packed under base to ensure full contact with foundation. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.

Do not erect poles without having fixtures installed.

If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.

NOTES:

- Mounting arrangement: (PT) open top; (T20) 2-3/8" OD (2" NPS)
- Drill mounting: (DM19) 1 fixture at 90°; (DM28) 2 fixtures at 180°
- Options, see page 576.
- Brackets, see page 578.

Technical Information

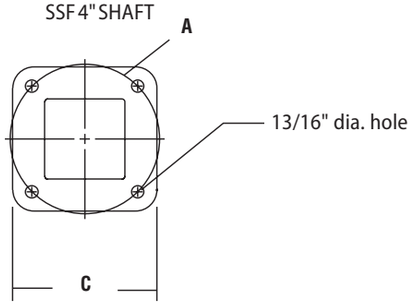
EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (ft.)	Pole shaft size (in. x in. x ft.)	80 mph	90 mph	100 mph	Max. wt.	Bolt circle (in.)	Bolt size (in. x in. x in.)	Approx. ship wt. (lbs.)
SSF 6 4X	6	4 x 4 x 6	23.2	17.9	14.2	150	8	5/8 x 21 x 3	18
SSF 8 4X	8	4 x 4 x 8	16.5	12.6	9.8	150	8	5/8 x 21 x 3	23
SSF 10 4X	10	4 x 4 x 10	12.0	8.9	6.7	150	8	5/8 x 21 x 3	27
SSF 12 4X	12	4 x 4 x 12	9.1	6.5	4.6	100	8	5/8 x 21 x 3	31
SSF 14 4X	14	4 x 4 x 14	6.7	4.4	2.8	100	8	5/8 x 21 x 3	35
SSF 16 4X	16	4 x 4 x 16	3.7	2.2	1.1	100	8	5/8 x 21 x 3	39
SSF 20 4X	20	4 x 4 x 20	7.2	1.8	0.5	150	8	5/8 x 21 x 3	80
SSF 20 5X	20	5 x 5 x 20	12.2	9.1	6.9	200	11	1 x 30 x 4	110
SSF 25 4X	25	4 x 4 x 25	4.2	2.5	0.75	150	8	5/8 x 21 x 3	90
SSF 25 5X	25	5 x 5 x 25	8.7	6.2	4.4	200	11	1 x 30 x 4	115
SSF 30 5X	30	5 x 5 x 30	4.7	2.8	1.9	200	11	1 x 30 x 4	120
SSF305XHD	30	5 x 5 x 30	8.6	5.1	2.6	200	10-12	1 x 30 x 4	164

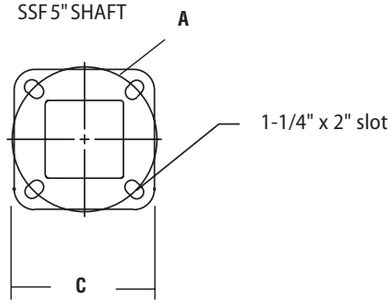
Pole Data

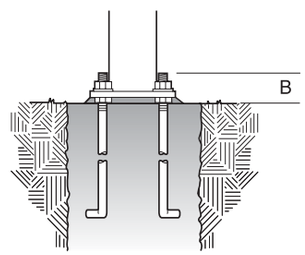
Shaft base size	Bolt circle A	Bolt projection B	Base square C	Anchor bolt description	Template number
4"	8"	3"	7.4"	ABSSF-4	PJ50123
5"	11"	4"	11.1"	ABSSF-5	PJ50124

SSF 4" SHAFT



SSF 5" SHAFT





STC

Features

Shaft – Concrete mix has a minimum 28-day compressive strength of 6,500 PSI and conforms with ASTM-C150. Prestressing steel reinforcement is uncoated 7 wire, stress relieved strand per ASTM-A416. Steel spiral reinforcement conforms to ASTM-A82 and is not less than .120 (11-gauge) diameter. Poles have a continuous taper of 0.165 inches per foot.

Hand hole – A 3"x5" hand hole is located 24" above ground line and a 2-1/2" x 7" minimum conduit entrance is located 18" below ground line. Inserts for the hand hole and conduit entrance are non-corrosive and weatherproof. Hand-hole frames and covers conform to ASTM-B240.

Grounding – An 18" long, #4 stranded copper pigtail, connected to reinforced strand, is provided at pole top and at cable entrance below grade.

Hardware – Fasteners are high-strength galvanized zinc-plated or stainless steel.

Top Cap – Weatherproof top cap provided with all drill-mount poles.

Finish – Smooth, natural form finish, soft gray color is standard.

Technical Information

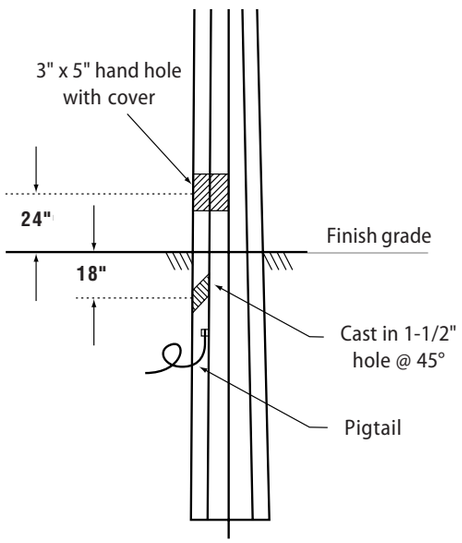
EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (ft.)	Pole shaft size (in. x in. x ft.)	80 mph	90 mph	100 mph	Approx. ship wt. (lbs.)
STC 13 4X	10'	4.0 x 4.0 x 13	3.5	3.5	3.5	189
STC 20 7-24X	16	4.0 x 7.24 x 20	22	16	13	680
STC 20 9-24X	16	6.0 x 9.24 x 20	48	37	29	1,110
STC 24 4-80X	20'	4.8 x 4.8 x 24	3.5	N/A	N/A	517
STC 24 5-60X	20'	5.6 x 5.6 x 24	3.5	3.5	N/A	686
STC 24 6-40X	20'	6.4 x 6.4 x 24	3.5	3.5	3.5	917
STC 25 8-05X	20	4.0 x 8.05 x 25	21	16	12	985
STC 25 10-05X	20	6.0 x 10.05 x 25	44	34	26	1,530
STC 30 8-86X	25	4.0 x 8.86 x 30	20	15	11	1,350
STC 30 10-86X	25	6.0 x 10.86 x 30	49	33	28	2,000
STC 35 9-67X	29	4.0 x 9.67 x 35	17	12	8	1,800
STC 35 11-67X	29	6.0 x 11.67 x 35	43	32	24	2,540
STC 35 6-40X	30'	6.4 x 6.4 x 35	3.5	N/A	N/A	1,337
STC 35 7-25X	30'	7.25 x 7.25 x 35	3.5	3.5	N/A	1,685
STC 36 8X	30'	8.0 x 8.0 x 36	3.5	3.5	3.5	2,145
STC 40 12-48X	34	6.0 x 12.48 x 40	42	30	22	3,130
STC 45 13-29X	38	6.0 x 13.29 x 45	41	31	22	3,795
STC 46 8X	40'	8.0 x 8.0 x 46	3.5	N/A	N/A	2,740
STC 47 9-25X	40'	9.25 x 9.25 x 47	3.5	3.5	N/A	3,813

Ordering Information: See page 552

NOTE: Poles are available only in U.S.

INSTALLATION NOTES:
Do not erect poles without having fixtures installed.
If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.



Round Tapered Concrete Sportslighting

SPRTC

Features

Shaft – Concrete mix has a minimum 28-day compressive strength of 11,000 PSI and conforms with ASTM-C150. Prestressing steel reinforcement is uncoated 7 wire, stress relieved strand per ASTM-A416. Steel spiral reinforcement conforms to ASTM-A82 and is not less than .203 (5-gauge wire) diameter. Poles have a continuous taper of 0.216 inches per foot. Poles are centrifugally spun and round in cross-section with a hollow center.

Hand hole – 4"x8" hand hole is located 24" above ground line. 4"x8" conduit entrance is located 18" below ground line.2-1/2"x8" reinforced hand hole with flush cover is located at cage/crossarm locations. 1-1/2" coupling wire inlet/outlet is located opposite this hand hole. Inserts for hand hole and conduit entrance are non-corrosive and weatherproof. Hand-hole frames and covers conform to ASTM-B240.

Grounding – A continuous solid or stranded copper ground wire is cast into the pole. Wire terminates at top of pole to accept a 1/2"x24" lightning rod and approximately 12" below grade. Copper coupling provides a 1/2" tapped insert at pole face for grounding hardware.

Hardware – Fasteners are high-strength galvanized zinc-plated or stainless steel.

Finish – Smooth, natural form finish, soft gray color is standard.

Ordering Information: See page 552

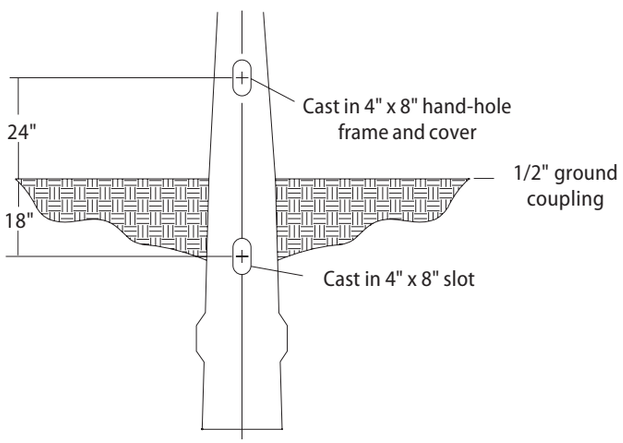
NOTE: Poles are available only in U.S.

INSTALLATION NOTES:
Do not erect poles without having fixtures installed.
If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.

Technical Information

EPA (ft^2) with 1.3 gust

Catalog number	Nom. mount. ht. (ft.)	Pole shaft size (in. x in. x ft.)	80 mph	Max. wt.	90 mph	Max. wt.	100 mph	Max. wt.	Approx. ship wt. (lbs.)
SPRTC C6 45 7-17	38	6.75 X 16.47 X 45	31	620	24	480	18	360	3,400
SPRTC C5 45 7-17	38	6.75 X 16.47 X 45	39	780	30	600	23	460	3,400
SPRTC C4 45 7-17	38	6.75 X 16.47 X 45	52	1,040	40	800	31	589	3,450
SPRTC C4 60 7-20	50	6.75 X 19.71 X 60	47	893	35	665	26	520	5,450
SPRTC C2 60 9-22	50	8.82 X 21.78 X 60	85	1,615	65	1,235	48	912	7,950
SPRTC H1 60 9-22	50	8.82 X 21.78 X 60	138	2,622	101	1,919	80	1,520	8,100
SPRTC C3 70 9-24	60	8.82 X 23.94 X 70	56	1,064	42	798	32	608	9,900
SPRTC C1 70 9-24	60	8.82 X 23.94 X 70	90	1,710	69	1,311	52	988	10,100
SPRTC H2 70 10-24	60	8.82 X 23.94 X 70	139	2,641	103	1,957	81	1,539	10,400
SPRTC C2 80 9-26	68	8.82 X 26.1 X 80	63	1,197	45	855	34	646	12,300
SPRTC C1 80 9-26	68	8.82 X 26.1 X 80	85	1,445	65	1,105	48	816	12,300
SPRTC H2 80 10-26	68	8.82 X 26.1 X 80	136	2,584	101	1,919	79	1,501	12,800
SPRTC C2 90 9-28	77	8.82 X 28.26 X 90	54	1,026	39	741	28	532	14,850
SPRTC C1 90 9-28	77	8.82 X 28.26 X 90	78	1,482	56	1,064	42	798	14,950
SPRTC H2 90 10-28	77	8.82 X 28.26 X 90	132	2,508	97	1,843	75	1,425	15,350
SPRTC C1 105 9-32	91	8.82 X 31.5 X 105	70	1,330	49	931	35	665	19,250
SPRTC H1 105 9-32	91	8.82 X 31.5 X 105	99	1,881	74	1,406	54	1,026	19,450
SPRTC H3 105 11-34	91	11.0 X 33.68 X 105	144	2,736	105	1,995	80	1,520	22,050
SPRTC C1 115 9-34	100	8.82 X 33.66 X 115	65	1,235	45	855	31	589	22,350
SPRTC H1 115 9-34	100	8.82 X 33.66 X 115	96	1,824	70	1,330	50	950	22,550
SPRTC H2 115 10-34	100	8.82 X 33.66 X 115	125	2,375	91	1,729	69	1,311	22,800

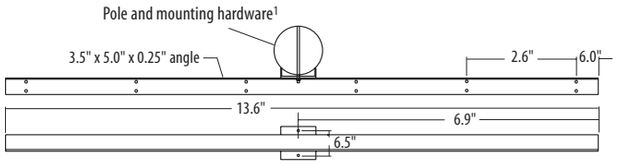


Angle Iron Crossarms for Concrete Poles

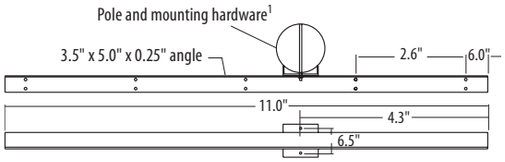
Catalog Number	Arm EPA (sq. ft.)	Weight (lbs.)
ACRCW2	1.80	50.0
ACRCW3	3.00	86.0
ACRCW4	4.50	121.0
ACRCW5	5.70	157.0
ACRCW6	7.00	193.0

Angle Iron Crossarms for Concrete or Wood Poles

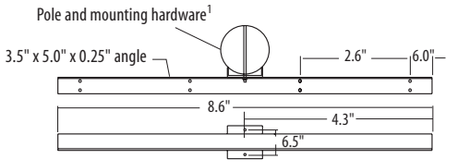
Projected area is for the crossarm only. The crossarm projected area is added to the luminaire projected area to get a total effective projected area (EPA).



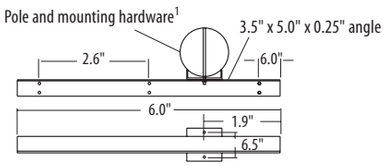
ACRCW6, 6-Fixture Angle Arm



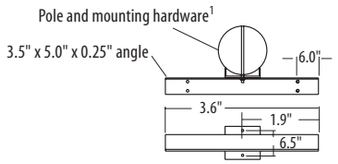
ACRCW5, 5-Fixture Angle Arm



ACRCW4, 4-Fixture Angle Arm



ACRCW3, 3-Fixture Angle Arm



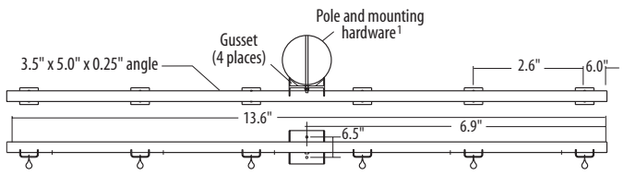
ACRCW2, 2-Fixture Angle Arm

Pre-wired Tubular Crossarms for Concrete Poles

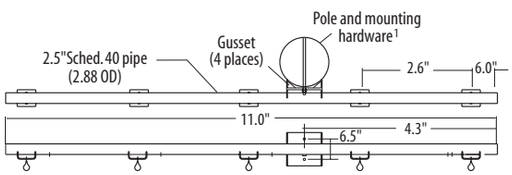
Catalog Number	EPA (sq. ft.)	Weight (lbs.)
SPXCW2	1.00	23.5
SPXCW3	1.80	40.0
SPXCW4	2.50	56.5
SPXCW5	3.20	73.0
SPXCW6	3.90	89.5

Pre-Wired Tubular Crossarms for Concrete or Wood Poles

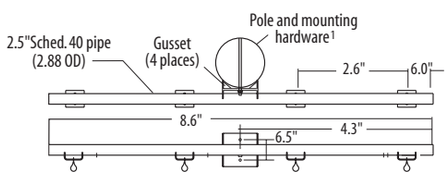
Projected area is for the crossarm only. The crossarm projected area is added to the luminaire projected area to get a total effective projected area (EPA). **Use in conjunction with CV3P luminaire option.**



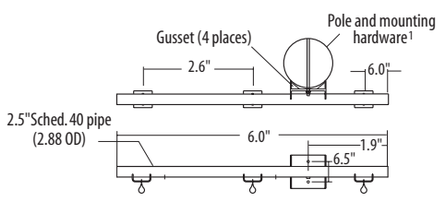
SPXCW6, 6-Fixture Crossarm



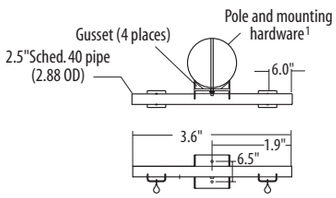
SPXCW5, 5-Fixture Crossarm



SPXCW4, 4-Fixture Crossarm



SPXCW3, 3-Fixture Crossarm



SPXCW2, 2-Fixture Crossarm

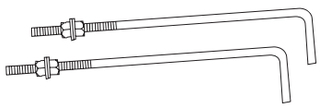
NOTES:

1 Connecting hardware for crossarm to pole is supplied by others. Bolt holes in c-channel are 0.88" diameter.

Pole Options

Anchor Bolts

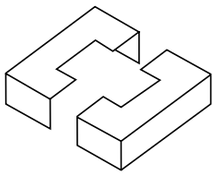
Available in various sizes for use with Lithonia poles. Set includes hex nuts and washers. Anchor bolt is partially galvanized for exposed threads per ASTM-A153. Bolts have minimum-yield strength rating of 55,000 psi, AASHTO M314 GR55. See individual pole catalog pages for anchor bolt sizes and description.



Base Covers

Two-piece, full-base cover. Four fasteners provided to secure pieces together. Finished to match pole. Shipped separately. Standard with steel poles only.

Option	Pole	Dimensions (square)		(depth)
SBC4	SSS 4"	8.75"	x	5.8"
SBC5	SSS 5"	11.44"	x	6.4"
SBC6	SSS 6"	13.5"	x	4"



For full-base cover on other poles, must order FBC. When ordering separately, specify full pole nomenclature; i.e., FBC for RTA 25 7E. Also specify if pole is existing.

Festoon Outlets

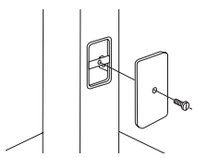
Provision provided for mounting duplex outlet. When ordering, specify location in height and feet above base of pole and orientation from the hand hole.

Option	Description
FDL	Festoon Duplex Outlet, Less Electric

Hand-hole Cover Plates

SSS HHC: For all SSS poles

All other poles order as hand-hole cover for full pole description. Also specify if pole is existing.



Tenon Dimensions

Tenon Mounting Slipfitters (Order separately)

Tenon OD	Number of fixtures: One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°
2-3/8"	**T20-190**	**T20-280**	**T20-290**	**T20-320**	**T20-390**	**T20-490**
2-7/8"	**T25-190**	**T25-280**	**T25-290**	**T25-320**	**T25-390**	**T25-490**
4"	**T35-190**	**T35-280**	**T35-290**	**T35-320**	**T35-390**	**T35-490**
Aeris™						
2-3/8"	**AST20-190**	**AST20-280**	**AST20-290**	**AST20-320**	**AST20-390**	**AST20-490**
2-7/8"	**AST25-190**	**AST25-280**	**AST25-290**	**AST25-320**	**AST25-390**	**AST25-490**
4"	**AST35-190**	**AST35-280**	**AST35-290**	**AST35-320**	**AST35-390**	**AST35-490**

Couplings & Nipples

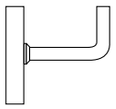
Threaded couplings and/or nipples must be factory installed. When ordering, specify location in height and feet above base of pole and orientation from the hand hole.

CPL12	1/2"	threaded coupling	**NPL12**	1/2"	threaded nipple
CPL34	3/4"	threaded coupling	**NPL34**	3/4"	threaded nipple
CPL1	1"	threaded coupling	**NPL1**	1"	threaded nipple

Horizontal Arm Bracket

Single or twin side-mounted horizontal arm brackets for additional luminaires. Made from 2-3/8" pipe. Upright is 18" from pole; special arm lengths may be available upon request. Arms are rated for luminaires up to 4.5 sq. ft. EPA and 100 lbs. per arm. When ordering, specify location in height and feet above base of pole and orientation from the hand hole.

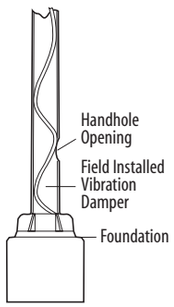
Option	Material	EPA (sq. ft.)	Weight (lbs.)
H1-18A	Aluminum	.43	7
H1-18S	Steel	.50	11
H1-18F	Fiberglass	.45	8
H1-18C	Concrete	.55	9



NOTE: SSS and SSA arm attachment is slightly different from RTA. Arm modifications located on pole to accept arms. Arms shipped as separate item.

VD - Vibration Damper

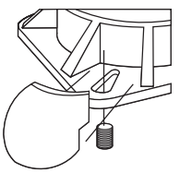
It has been found that low steady winds sometimes induce second mode vibration in lighting poles. Second mode vibration is characterized by the maximum periodic motion occuring at approximately the mid-height of the pole. This type of vibration can result in failure of the pole and/or luminaire. There is no method of predicting destructive light pole vibration.



NOTES:
1 FVD – Field installable vibration damper available upon request. Consult factory.
2 For more information on the effects of vibrations, visit www.lithonia.com.

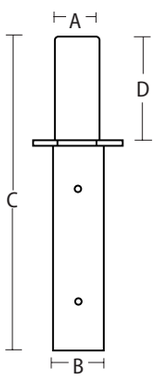
Nut Covers

Four nut covers are standard for RSA and RTA poles only.



Bolt-on Tenon

Cat. No.	A	B	C	D	Wt. (lbs.)
SBT-4S	2-3/8"	3"	133/4"	5"	7
SBT-5S	2-3/8"	4"	133/4"	5"	8
SBT-6S	2-3/8"	5"	133/4"	5"	17



NOTES:
If ordering for existing pole, must order as MAEX and include order number.

Tamperproof

Tamperproof (TP): Order as TP. Tamperproof screws provided with base cover.

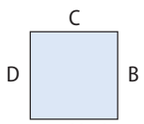
The orientation from the hand hole and location from the pole base must be specified when ordering the pole. The orientation from the hand hole is designated by the pole sides A, B, C or D. The location on the pole shaft is designated by the distance from the pole base.

Ordering Information

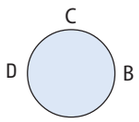
Example: **HA12B**

Options		Height from base (ft.)	Orientation	
HA	Horizontal arm	Determined by application.	**A**	side of the pole with the hand hole
FDL	Festoon outlet- less electrical		**B**	side of the pole 90 degrees counterclockwise from the hand hole (right)
12CP	1/2″ coupling		**C**	side of the pole 180 degrees counterclockwise from the hand hole (opposite)
34CP	3/4″ coupling		**D**	side of the pole 270 degrees counterclockwise (or 90 degrees clockwise) from the hand hole (left)
1CP	1″ coupling			
12NP	1/2″ threaded nipple			
34NP	3/4″ threaded nipple			
1NP	1″ threaded nipple			
HH	Extra hand hole, 3 x 5 only			
PT	Open top			
T20	2-3/8″ tenon			
T25	2-7/8″ tenon			
T30	3-1/2″ tenon			
T35	4″ tenon			

Square



Round



See the following examples:

1. SSS 25 5G with one arm-mount fixture and two floodlights on horizontal arm brackets. Floodlights are to be 180 degrees from each other, 90 degrees from the shoebox and 12 feet above the base.

Order as: **SSS 25 5G DM19 HA12A HA12C**

2. RTA 30 8G with two arm-mount fixtures at 180 degrees, one floodlight on a horizontal arm bracket and a 1/2" coupling. Floodlight is to be opposite hand hole and 6 feet from top of pole. Coupling should be 10 feet from top, same side as floodlight.

Order as: **RTA 30 8G HA24C 12CP20C**

3. SSS 20 4C with a 2-3/8″ tenon and festoon outlet 90 degrees left of the hand hole, 5 feet above the base.

Order as: **SSS 20 4C T20 FDL5D**

Drill Mounting Options[1]



DM19	DM28	DM29[3]	DM32[2]	DMA39[3]	DM49[3]
DM19AS	DM28AS	DM29AS[3]	DM32AS[2]	DM39AS[3]	DM49AS[3]
DM19AST1	DM28AST1	DM29AST1[3]	DM32AST1[2]	DM39AST1[3]	DM49AST1[3]
DM19AST2	DM28AST2	DM29AST2[3]	DM32AST2[2]	DM39AST2[3]	DM49AST2[3]
DM19KADT	DM28KADT	DM29KADT[3]	DM32KADT[2]	DM39KADT[3]	DM49KADT[3]

NOTES:

1 AS denotes Aeris luminaire, AST1/AST2 denotes Aeris Suspend Size 1 or 2 and KADT denotes KAD suspend

2 Available with round pole only.

3 Reference fixture page for minimum arm length required when mounting 2 or more fixtures at 90°.

Aluminum Mounting Brackets

Projected area is for bracket only. Bracket projected area is added to luminaire projected area to get total effective projected area (**EPA**).

All brackets have a luminaire rating per tenon of 4.5 sq. ft. projected area and 100 lbs. at a wind velocity of 100 mph (luminaire drag coefficient = 1.0).

Bullhorns and Spokes — order as separate items.

Brackets for Round Aluminum Poles Only

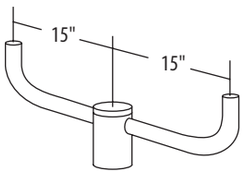
Finish – Natural aluminum. Optional painted finishes available. Plastic cap supplied.

Round pole

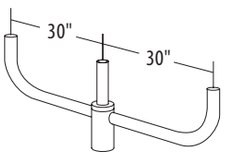
Brackets mount to T25 tenon 2-7/8" OD, or pole top that is 2-7/8"OD.

Catalog number	EPA (sq. ft.)	Weight (lbs.)
RBA28	1.2	7.0
RBA32	1.7	14.3
RBA38	1.9	10.5
RBA48	2.7	14.5
RBA49	2.2	17.5

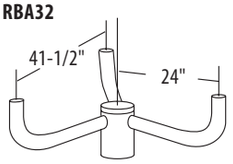
RBA28



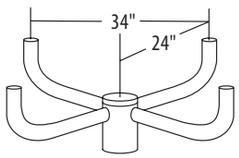
RBA38



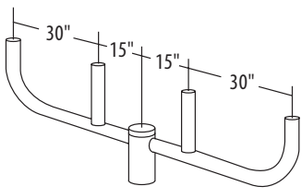
RBA32



RBA49



RBA48



Brackets for Square Aluminum Poles Only

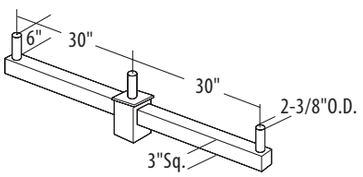
Finish – Natural aluminum. Optional painted finishes available. Plastic cap supplied.

Square pole

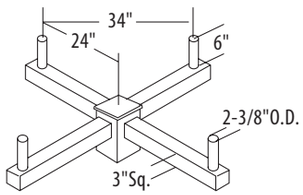
Brackets flush mount on 4", 5" and 6" square poles. For use with internal sleeve, plain open-top poles, Lithonia Lighting poles only. **Must be ordered with pole to ensure proper fit.**

Catalog number	EPA (sq. ft.)	Weight (lbs.)
SBA28	0.90	12
SBA38	1.50	17
SBA48	2.25	22
SBA49	1.7	22

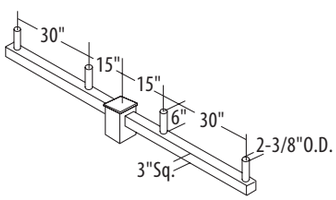
SBA38



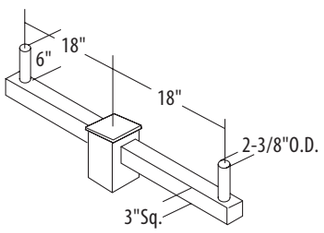
SBA49



SBA48



SBA28



Projected area is for bracket only. Bracket projected area is added to luminaire projected area to get total effective projected area (**EPA**). All brackets have a luminaire rating per tenon of 4.5 sq. ft. projected area and 100 lbs. at a wind velocity of 100 mph (luminaire drag coefficient = 1.0).

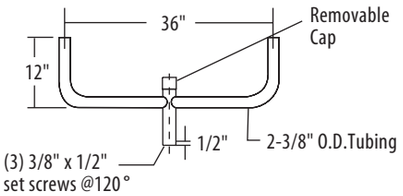
Bullhorns and Spokes — Order as separate items.

Brackets for Steel Poles Only

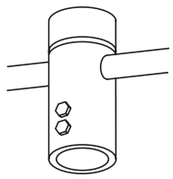
Finish — Dark bronze, standard. Other colors available (consult factory). Plastic cap supplied.

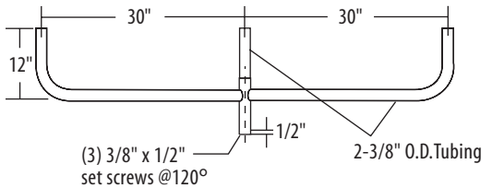
Round pole

Requires T20 Tenon (min. 5" tall). OD 2-7/8" – I.D. 2-1/2"



Standard Hub

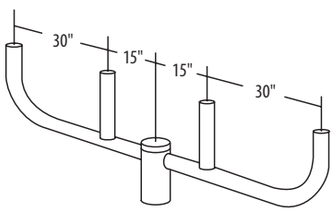




Catalog Number	EPA (sq. ft.)	Weight (lbs.)
BS28	1.0	21.0
BS28 HD	1.3	28.0
BS32	1.3	34.0
BS32 HD	2.0	38.0
BS38	1.6	32.0
BS38 HD	2.2	38.0
BS48	2.3	44.0
BS48HD	3.4	47.0
BS49	1.6	44.0
BS49 HD	2.8	46.0

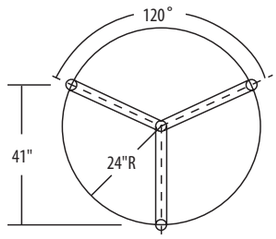
BS48 - slipfitter for T20

BS48 HD - slipfitter for T35



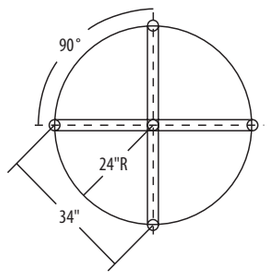
BS32 - slipfitter for T20

BS32 HD - slipfitter for T35



BS49 - slipfitter for T20

BS49 HD - slipfitter for T35



Brackets for Steel Square Poles Only

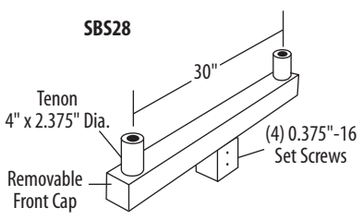
Finish – Dark bronze, standard.

Square pole

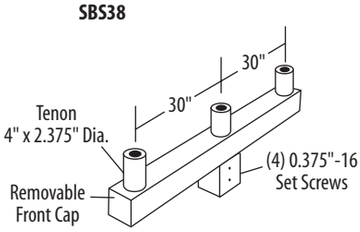
Requires T20 (2-3/8" max OD) tenon on pole for mounting.

Catalog Number	EPA (sq. ft.)	Weight (lbs.)
SBS 28	1.1	30.0
SBS 38	1.7	42.0
SBS 49	2.1	45.0

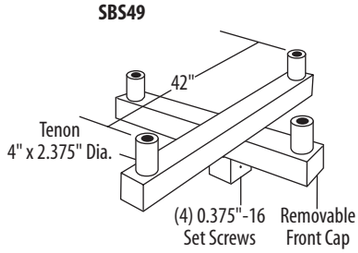
SBS28



SBS38



SBS49



ANTIQUE Street Lamps™



Historically Styled Decorative Posts, Luminaires and Arms

Rapid Ship Posts and Luminaires

We offer a wide variety of posts and luminaires for quick delivery to support the fast pace of today's construction industry. Products in this program are shipped from our factory in just 10 days!

Preserving the Night Sky with Superior Optics

Traditionally styled luminaire designs are combined with high performance cut-off optics to provide nighttime friendly lighting installations. As the market leader in decorative outdoor lighting, Antique Street Lamps offers a multitude of products to meet this need.

Extensive Product Line of Posts, Luminaires, Arms and Accessories

The products represented in the following pages are only a small cross-section of our total capability. Please consult our specifications binder and our website at www.AntiqueStreetLamps.com for complete detailed information.

Custom Design Capabilities

Antique Street Lamps has a long history of creating and engineering project-specific designs. The scope of our experience includes replication of no-longer-available posts and luminaires for historical renovations, or creating completely new and unique signature products.







CONTENTS

Rapid-Ship Posts 582

Key West Series
Sussex Series
Hartford Series
Washington Series
New York Series
Montreal Series
Chicago Series

Rapid-Ship Luminaires 583

Spheres
Acorns
Octagonal
Refractive
Internal Cutoff Optics
Square
Hexagonal

Nighttime Friendly Luminaires 584

Full Cutoff
Cutoff

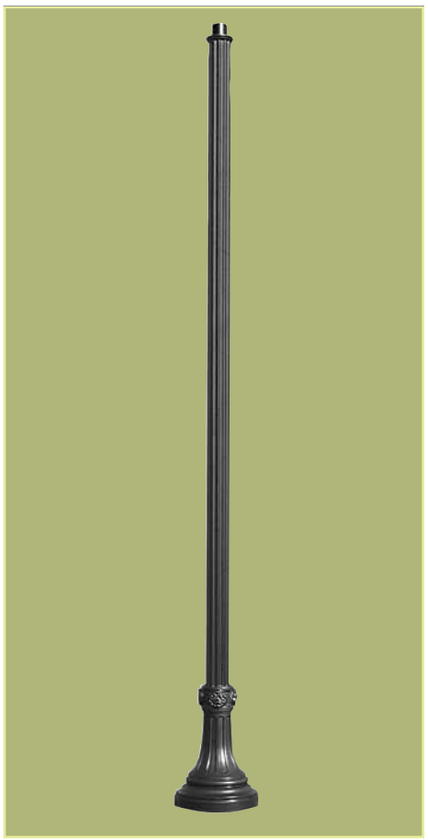
Historical Luminaires 584

Post-top Luminaires
Roadway/Pendant Luminaires

Historical Posts and Arms 585

Post-top Arms
Roadway Arms
Cast Aluminum Posts
Cast Iron Posts
Cast Iron and Steel Posts

Rapid-Ship Posts



Intended Use

Antique Street Lamps Rapid Ship posts provide a historical style appearance that is perfectly suited for use with Antique Street Lamps luminaires. Posts are available in 10-foot to 16-foot heights. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Features

Materials – The post base is manufactured from heavy-wall, low copper, cast aluminum. The shafts are straight smooth or straight fluted extruded aluminum. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Construction – All posts are fabricated as one-piece construction. The shafts are telescoped into the bases and double welded for maximum structural integrity. An integral 3" O.D. x 3" tall tenon is provided for luminaire mounting.

Installation – Posts are provided with four, hot-dip galvanized, ¾" L-type anchor bolts. A door is provided in the base for anchorage and wiring access. A grounding screw is provided inside the base accessible from the door.

Finish – The posts are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

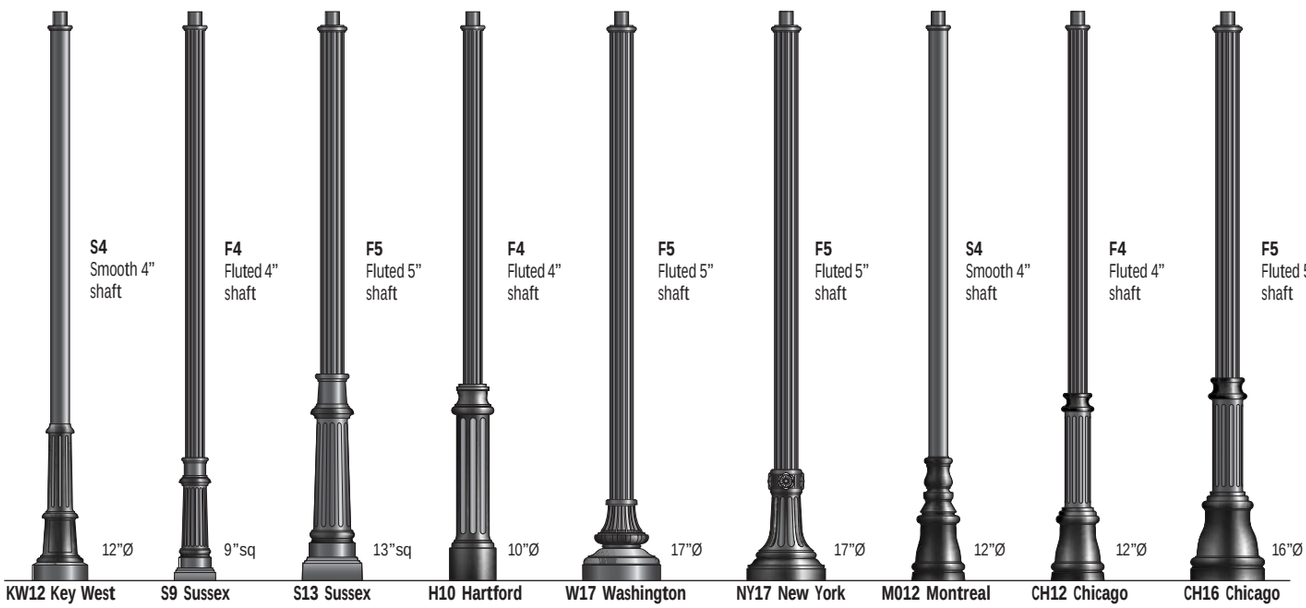
Shipping – The Rapid Ship Program provides product shipment within 10 days of receipt of order. Please refer to our website at www.AntiqueStreetLamps.com for more information. The specific details about program terms and conditions, order quantities and product availability are shown on our website and are regularly updated.

Ordering Information

Example: **PX CH16 14 F5 ANBK RSP**

Family	Series	Height	Shaft	Finish[3]	Rapid-ship program
PX	**KW12**[1]	**10**	**F4** Fluted 4" Ø[2]	**ANBK** Black	**RSP**
	S9[1]	**12**	**S4** Smooth 4" Ø[2]	**ANDB** Dark bronze	
	S13	**14**	**F5** Fluted 5" Ø	**ANDG** Dark green	
	H10	**16**[2]			
	W17				
	NY17				
	MO12[1]				
	CH12				
	CH16				

NOTES:
1 KW12, S9 & MO12 series posts only available with F4 or S4 shaft.
2 F4 and S4 shafts are not available in 16' height.
3 For finish specifications, see Antique Street Lamps binder, Finish tab.



Rapid-Ship Luminaires

Intended Use

Antique Street Lamps Rapid Ship luminaires provide a historical style appearance that is perfectly suited for use with Antique Street Lamps posts. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Features

Materials – All luminaire bases and frames are manufactured from heavy-wall, low copper, cast aluminum. Round domes are spun aluminum or cast aluminum. Globes are formed from clear acrylic or polycarbonate and are either smooth, textured or refractive. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Installation – All luminaires are designed to slip fit a 3" O.D. x 3" tall tenon and attach with setscrews.

Light Source – Luminaires are provided with a quick-disconnect H.I.D. ballast and socket assembly.

Finish – The posts are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Shipping – The Rapid Ship Program provides product shipment within 10 days of receipt of order. Please refer to our website at www.AntiqueStreetLamps.com for more information. The specific details about program terms and conditions, order quantities and product availability are shown on our website and are regularly updated.

Listings

UL Listed to US and Canadian safety standards. Luminaires are labeled as suitable for wet locations.



Ordering Information

Example: **A25 AU 100M MED ACT GR5 TB1 PER PE1 ANBK RSP**

Series	Bases
S16[2]	**E**
S18[2]	**AU**
S20	**D**
AT20[2]	**W**
AT23	
AJ19	
A21[2]	
A25	
P36	
LT30	
LTS30	
RGA	
RGR	
RGR2	
DS4[2]	
DS7[2]	
TR25	N/A
TR30	N/A
KW35[1]	N/A

Wattage/lamp[2]

Metal Halide
- **70M MED** 70W
- **100M MED** 100W
- **175M MED** 175W
- **250M MED** 250W

High Pressure Sodium
- **100S MED** 100W
- **150S MED** 150W

Lens material

All luminaires except those shown below
- **ACT** Acrylic, clear textured

S16 and S18 only
- **AWS** Acrylic white smooth

P36 only
- **PCT** Polycarbonate clear textured

RGA and RGRs only
- **ARF** Acrylic refractive

DS4 and DS7 only
- (blank) Acrylic refractive

KW35 only
- **ACS** Acrylic clear smooth

AJ19 only
- **GRF** Glass refractive

Distribution

All luminaires except those shown below
- (blank) Symmetrical distribution
- **GR5** Glass refractor type V
- **GR3** Glass refractor type III

RGA, RGRs and AJ19
- **R5** Refractive globe type V
- **R3** Refractive globe type III

DS4 and DS7 only
- **SR5S** Reflector type V

Voltage[3]
- **TB1** 120V
- **TB2** 208V
- **TB3** 240V
- **TB4** 277V
- **347** 347V

Finish[5]
- **ANBK** Black
- **ANDB** Dark bronze
- **ANDG** Dark green

Rapid-ship program
- **RSP**

Options
- **FPF** Finial for AT, A, RGA or RGR only
- **FSF** Finial for RGA or RGR only
- **PER** Twist and lock photocontrol receptacle[4]
- **PE1** NEMA twist and lock PE 120, 208, 240V[4]
- **PE3** NEMA twist and lock PE 347V[4]
- **PE4** NEMA twist and lock PE 480V[4]
- **PE7** NEMA twist and lock PE 277V[4]
- **ARV MD11 BL21** Cage for RGA or RGRs only

NOTES:
1. KW35 recommended with a glass refractor, option GR5 or GR3.
2. 250M not available with S16, S18, AT20, A21, DS4 and DS7. 250M only available with bases AU and W. Lamp not supplied with luminaires.
3. Multi-tap ballast (120, 208, 240, 277V), (120, 277, 347V in Canada).
4. Optional photocontrols only available with the AU luminaire base.
5. For finish specifications and color options, see ANTIQUE Street Lamps binder, Finish tab.

Sphere Globes



S16 E 16"w 23"h
S18 E 18"w 25"h
S20 E 20"w 28"h

Acorn Globes



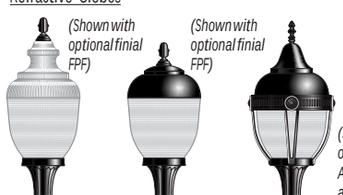
AT20 E 13.5"w 27"h
AT23 E 15"w 30"h
AJ19 E 13.6"w 26"h
A21 E 14"w 28"h
A25 E 16"w 33.5"h

Octagonal



P36 E 18"w 43"h
LT30 E 15"w 36.5"h
LTS30 E 21"W 36.5"H

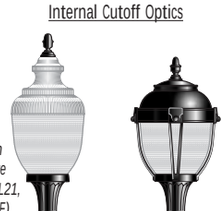
Refractive Globes



(Shown with optional finial FPF)
(Shown with optional finial FPF)
(Shown with optional cage ARV MD11 BL21, and finial FSF)

RGA E 16"w 38"h
RGR E 16"w 33"h
RGR2 E 19"w 37"h

Internal Cutoff Optics



DS4 E 16"w 38"h
DS7 E 19"w 33"h

Luminaire Bases



E 8"h
D 8"h
W 13.5"h
AU[4] 14.5"h

Hexagonal

Square

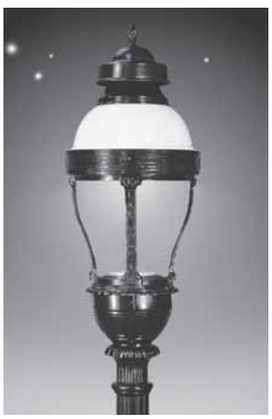


TR25 12.5"sq, 25.5"h
TR30 15"sq, 30"h
KW35 15"w 35"h

(KW35 shown with distribution option GR5 glass refractor type V)

Note: Luminaires above shown with the E series luminiare base. Replace E base with AU, D or W base for more luminaire choices.

Nighttime Friendly Luminaires



NIGHTTIME FRIENDLY

Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

Not available on all optics. Consult factory.

Historical Style with Cutoff Performance

Antique Street Lamps offers a complete line of historically based designs that help prevent nighttime light pollution while providing quality outdoor illumination. This family of traditional luminaires is designed using the Aeris™ reflector system. Various IES cut-off classifications are available depending on the combination of options selected. Detailed information about these luminaires including photometric performance is available on our website at www.AntiqueStreetLamps.com.

Nighttime Friendly Full Cutoff *(IESNA Classification)* Luminaires



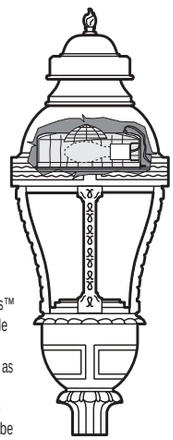
DS1 DS2 DS3 DS9 K DS10 K

Cutoff *(IESNA Classification)* Luminaires



DS4 K DS5 K DS6 K DS7 K DS8 K

Globes with internal Aeris™ optics provide cutoff performance as an attractive alternative to standard globe luminaires.



Historical Luminaires

Antique Street Lamps offers a large selection of historical luminaires. Below is a sample of some or our most popular designs. Detailed information about our complete selection is available in our catalog or on our website at www.AntiqueStreetLamps.com.

Post-Top

Sphere Globes



S18 K

Acorn Globes



AT23 D FAB



A25W

Octagonal



TL26 A



LT30 L

Round



NL33



G46

Square



TR30



SG36



KV52

Hexagonal



KW35



FM44



WM33

Octagonal



NA38

Refractive Globes



RGP X SF



RGT M AMF ARY MD4 BS51



RGR1 S PDF ARV MD18 BL1



RGC2 D FPF ARU MD7 BS6



RGS23 AU RPF ARH MD14 BL31

Roadway/ Pendant

Round



WL26



BH27



CM28P32



VG31C33



SB33



PH20

Octagonal



HLT30

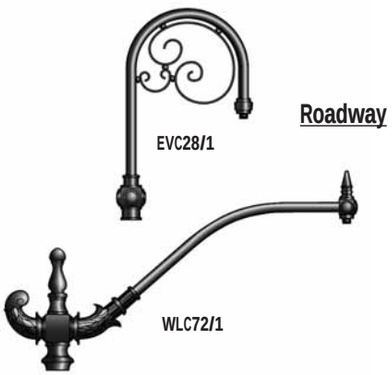
Historical Posts and Arms

Antique Street Lamps offers a large selection of historical posts and arms. Below is a sample of some of our most popular designs. Detailed information about our complete selection is available in our catalog or on our website at www.AntiqueStreetLamps.com.

Arms

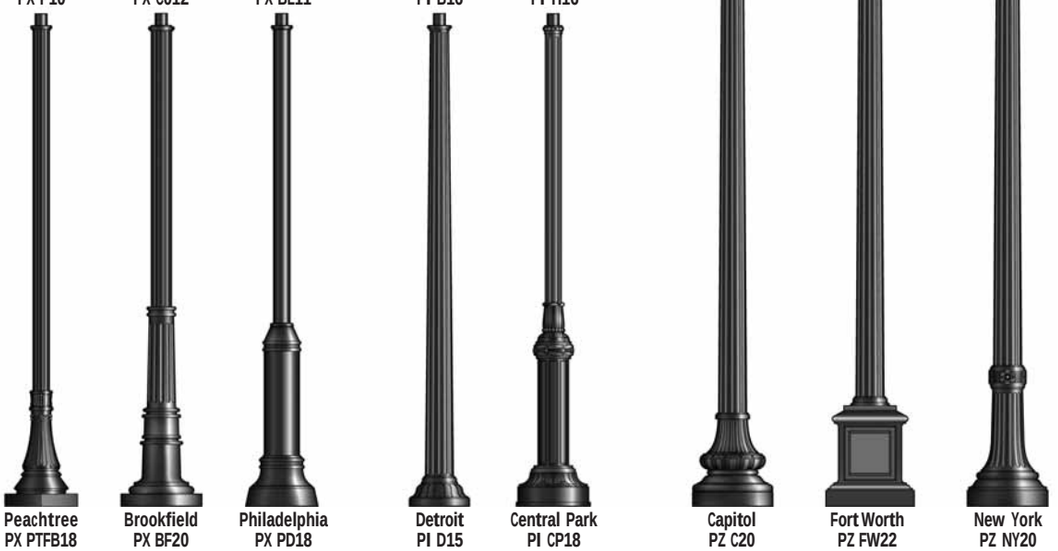






Posts





Cast Aluminum | Cast Iron | Cast Iron and Steel

EUROTIQUE®

Architectural Site & Roadway Lighting



High-Efficiency Architectural Decorative Luminaires, Poles and Arms

Contemporary-Styled Luminaires and Poles

The Eurotique® family offers superior nighttime performance while enhancing the architectural integrity of your project. This product line offers a variety of forms that are carefully scaled to fit each area of your project's outdoor lighting environment. Multiple fixture and arm styles are available in two sizes to complement virtually any architectural style. The modular design concept of the Eurotique® family allows for ease of installation and simple maintenance access to lamp and ballast.

Preserving the Night Sky with Superior Optics

Contemporary-styled luminaire designs are combined with high performance cut-off optics to provide nighttime friendly lighting installations. As the market leader in decorative outdoor lighting, we offer a multitude of products to meet this need.

Custom Design Capabilities

Eurotique® designs have been created and engineered specifically for several custom projects. The scope of our experience includes developing architect-inspired poles and luminaires to complement project style, or creating completely new and unique signature products.





CONTENTS










Luminaires 588

Copenhagen Series
Stockholm Series
Munich Series – Pendant Mount
Munich Series – Post Top Mount
Hanover Series – Pendant Mount
Hanover Series – Post Top Mount

Arms and Wall Brackets 590

EAA Series
EAB Series
EAC Series
EAD Series
EAE Series
EAF Series
EAG Series
EAH Series
EAJ Series
EAK Series
EAL Series

Poles 591

EPAX S4 Series
PX PD18 Series
EPSX S4 Series
EPAX S5 Series
EPSX S5 Series
EPAX S4S6 Series
EPAX S5S7 Series
EPSX S5S7 Series

Contemporary Luminaires

EUROTIQUE®



Intended Use

Luminaires are designed for applications where cut-off performance and contemporary architectural style are desired. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Features

Eurotique® Luminaires are available in two sizes and utilize the Aeris™ reflector system.

Optics – Anodized segmented reflectors are designed for superior uniformity and control. Reflectors are available in five distributions and attach to the door with internal stainless steel screws.

Materials – All luminaries ballast housings and skirts are constructed of heavy-wall, low copper, cast aluminum. Teardrop globe and half sphere lens options are clear acrylic. Flat and sag lens options are manufactured of clear impact-resistant tempered glass.

Installation – Pendant luminaries are designed to mount to swivel adapters provided with Eurotique® arms. Pole top luminaries are designed to slip-fit 3.375" dia. or 4.375" dia. pole top tenon and attach with (8) socket style set screws.

Light source – Luminaries are provided with a quick-disconnect H.I.D ballast and socket assembly for ease of maintenance.

Finish – The luminaries are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green. Consult factory for special custom colors or verde green finish.

Listing

UL Listed to US and Canadian safety standards. Suitable for wet locations.

Ordering Information

Example: **EM25 400M MOG GCF SR2 TB1 ANBK**

Series

EC13RT
ES22ST
EH16RT
EH16ST
EH16FT
EM17RT
EM17ST
EM17FT
ETH16RT
ETH16ST
ETH16FT
ETM17RT
ETM17ST
ETM17FT

Wattage lamp[1]

Metal Halide
50M MED 50W
70M MED 70W
100M MED 100W
150M MED 150W
175M MOG 175W
High Pressure Sodium
35S MED 35W
50S MED 50W
70S MED 70W
100S MED 100W
150S MED 150W

EH22RT
EH22ST
EH22FT
EM25RT
EM25ST
EM25FT
ETH22RT
ETH22ST
ETH22FT
ETM25RT
ETM25ST
ETM25FT

Metal Halide
175M MOG 175W
250M MOG 250W
400M MOG 400W
High Pressure Sodium
150S MOG 150W
250S MOG 250W
400S MOG 400W

Lens material

EC13RT only
ACS Acrylic, clear smooth
PCS Polycarbonate, clear smooth

ES22, EH16, EM17, EH22, EM25, ETH16, ETM17, ETH22 & ETM25 only
GCF Glass, clear flat
GCSG Glass, clear sag
ACHS Acrylic, clear half sphere
ACD Acrylic, clear teardrop globe

Distribution[2]

EC13RT only
R5 Type V

ES22, EH16, EM17, ETH16 & ETM17 only
SR2 Type II
SR3 Type III
SR4SC Type IV
SR5S Type V

EH22 & EM25, ETH22 & ETM25 only
SR2 Type II
SR3 Type III
SR4SC Type IV
SR4W Type IV
SR5S Type V

Voltage[1]

TB1 120V
TB2 208V
TB3 240V
TB4 277V
347 347V
480 480V[3]

Options

HS House side shield[4]
SF Single fusing
DF Double fusing
QRS Quartz restrike

EC13RT, H16 & H22 only
1DS Decorative shield

EC13RT only
2DS 2 decorative shields
2DD 2 decorative discs

Post-top luminaires only
EGR Glow ring[5]
SMF Finial
SFF Finial
GF Finial
RF Finial
FSF Finial
FPF Finial
RPF Finial

Finish[6]

ANBK Black (std.)
ANDB Dark bronze
ANDG Dark green
ANVG Verde green (custom)
ANPP Prime painted

NIGHTTIME FRIENDLY
Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

Not available on all optics. Consult factory.

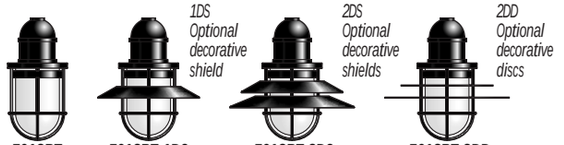
NOTES:
1 Multi-tap ballast (120, 208, 240, 277V; 120, 277, 347V in Canada).
2 Distribution classification depends on lens and reflector combination. See Eurotique® Binder for photometric data or go to www.AntiqueStreetLamps.com.
3 Consult factory for 480V availability.
4 Available for SR2, SR3 and SR4W only.
5 Glow ring is not available with distribution SR4SC.
6 For finish specifications and color options, see ANTIQUE Street Lamps binder, Finish tab.

Cutoff Classifications

Classification	Lens Type	Series	Distribution Optics
Full Cutoff	GCF	EH16, EH22,EM17, EM25 ETH16, ETH22,ETM17, ETM25	SR2, SR3, SR4SC, SR4W*, SR5S
Cutoff	GCSG	EH16, EH22,EM17, EM25 ETH16, ETH22,ETM17, ETM25	SR2, SR3, SR4SC, SR4W*, SR5S
	ACHS, ACD	EH16, EM17, ETH16, ETM17	SR2, SR3, SR4SC, SR5S
	ACHS, ACD	EH22, EH25,ETH22, ETM25	SRA4C, SR5S
Semi-cutoff	ACHS, ACD	EH22, EM25,ETH22, ETM25	SR2, SR3, SR4W

*SR4W only available with EH22 and EM25.

Copenhagen Series — Pendant Mount



EC13RT
13"w 26.5"h

1DS Optional decorative shield

EC13RT 1DS
22"w 26.5"h

2DS Optional decorative shields

EC13RT 2DS
27"w 26.5"h

2DD Optional decorative discs

EC13RT 2DD
27"w 26.5"h

Stockholm Series — Pendant Mount — NEW



GCF, glass, clear flat

ES22ST GCF
22"w 15.5"h

GCSG, glass, clear sag

ES22ST GCSG
22"w 17.5"h

ACHS, acrylic, clear half sphere

ES22ST ACHS
22"w 21"h

ACD, acrylic, clear tear drop globe

ES22ST ACD
22"w 24.5"h

Munich Series

Pendant Mount



GCF, glass, clear flat

EM17RT GCF
17"w 17"h

GCSG, glass, clear sag

EM17RT GCSG
17"w 19.5"h

ACHS, acrylic, clear half sphere

EM17RT ACHS
17"w 23"h

ACD, acrylic, clear tear drop globe

EM17RT ACD
17"w 26.5"h

GCF, glass, clear flat

EM25RT GCF
25"w 23"h

GCSG, clear sag

EM25RT GCSG
25"w 26.5"h

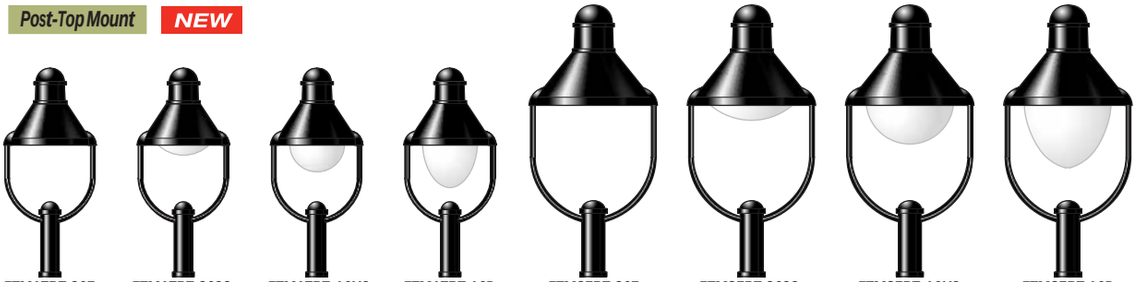
ACHS, acrylic, clear half sphere

EM25RT ACHS
25"w 31.5"h

ACD, acrylic, clear tear drop globe

EM25RT ACD
25"w 36.5"h

Post-Top Mount — NEW



ETM17RT GCF
20"w 45"h

ETM17RT GCSG
20"w 45"h

ETM17RT ACHS
20"w 45"h

ETM17RT ACD
20"w 45"h

ETM25RT GCF
28"w 59"h

ETM25RT GCSG
28"w 59"h

ETM25RT ACHS
28"w 59"h

ETM25RT ACD
28"w 59"h

Hanover Series

Pendant Mount



GCF, glass, clear flat

EH16RT GCF
16"w 16"h

GCSG, glass, clear sag

EH16RT GCSG
16"w 18.5"h

ACHS, acrylic, clear half sphere

EH16RT ACHS
16"w 22"h

ACD, acrylic, clear tear drop globe

EH16RT ACD
16"w 25.5"h

GCF, glass, clear flat

EH22RT GCF
22"w 22.5"h

GCSG, glass, clear sag

EH22RT GCSG
22"w 26"h

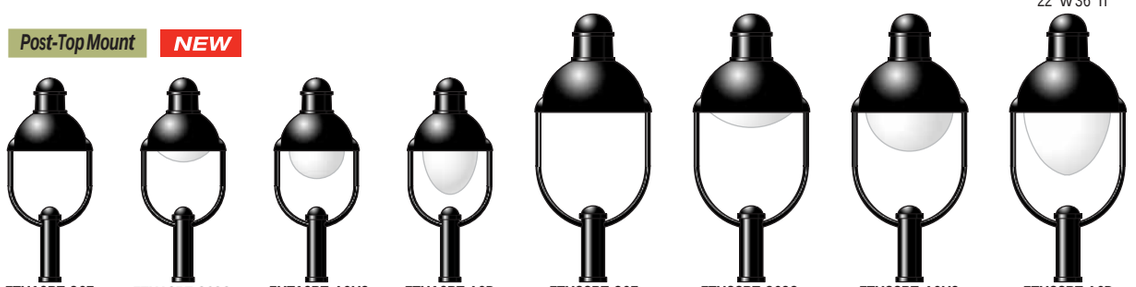
ACHS, acrylic, clear half sphere

EH22RT ACHS
22"w 31"h

ACD, acrylic, clear tear drop globe

EH22RT ACD
22"w 36"h

Post-Top Mount — NEW



ETH16RT GCF
18"w 44"h

ETH16RT GCSG
18"w 44"h

EHT16RT ACHS
18"w 44"h

ETH16RT ACD
18"w 44"h

ETH22RT GCF
25"w 58"h

ETH22RT GCSG
25"w 58"h

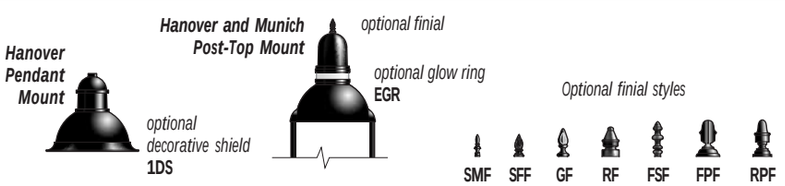
ETH22RT ACHS
25"w 58"h

ETH22RT ACD
25"w 58"h

Options



Catalog designation for luminaire tops is at the end of the series number.
Example: EH22RT, EH22ST or EH22FT



Catalog designation for these options is at the end of the catalog number. Finials are shown at a larger scale to show detail.

Contemporary Arms & Wall Brackets

EUROTIQUE®



Intended Use

Eurotique® arms are designed for aesthetically integrating single or multiple luminaires with Eurotique® posts. A matching family of wall brackets provides the ability to integrate building-mounted luminaires with post-mounted site lighting. A wide variety of styles are available to meet the needs of applications such as street lighting, downtowns, parks, public areas and mall interiors.

Features

Arms are available in two sizes. The 4" diameter arms are for the Copenhagen, Stockholm, small Hanover and small Munich Series luminaries. The 5" diameter arms are for the large Hanover and large Munich Series luminaries.

Materials – All cast parts are constructed of heavy-wall, low copper, cast aluminum. Arm tubing, center spools and wall bracket back plates are fabricated from extruded or formed aluminum. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Installation – The arms are designed to slip-fit a 3.375" dia. pole top tenon (4" arms) or 4.375" dia. pole top tenon (5" arms) and attach with (8) socket style set screws. The center finial and arm finial are removable to allow for wiring access. Wall brackets are provided with four or six ½" diameter holes for mounting to the wall. Wall bracket mounting hardware is not provided. Arms and wall brackets are provided with swivel adapters for luminaire mounting. Optional twist-lock photo control is installed at center spool top instead of the finial.

Finish – The arms and wall brackets are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green. Consult factory for special custom colors or verde green finish.

Ordering Information

Example: **EAG5/2 PER ANBK**

4" Arms

Pendant		Post-top
One-way	Two-way	Two-way
EAA4/1	EAA4/2	ETAA4/2
EAB4/1	EAB4/2	ETAL4/2
EAC4/1	EAC4/2	
EAD4/1	EAD4/2	
EAE4/1	EAE4/2	
EAF4/1	EAF4/2	
EAG4/1	EAG4/2	
EAH4/1	EAH4/2	
EAJ4/1	EAJ4/2	
EAK4/1	EAL4/2	
EAL4/1		

5" Arms

Pendant		Post-top
One-way	Two-way	Two-way
EAA5/1	EAA5/2	ETAA5/2
EAB5/1	EAB5/2	ETAL5/2
EAC5/1	EAC5/2	
EAD5/1	EAD5/2	
EAE5/1	EAE5/2	
EAF5/1	EAF5/2	
EAG5/1	EAG5/2	
EAH5/1	EAH5/2	
EAJ5/1	EAJ5/2	
EAK5/1	EAL5/2	
EAL5/1		

Wall brackets

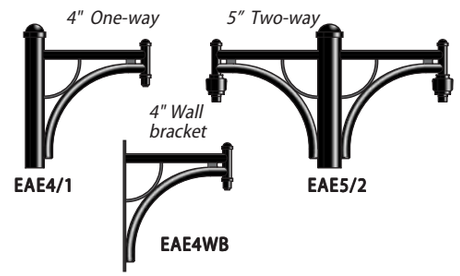
Pendant		Post-top	
4" Arms	5" Arms	4" Arms	5" Arms
EAA4WB	EAA5WB	ETAA4WB	ETAA5WB
EAB4WB	EAB5WB	ETAL4WB	ETAL5WB
EAC4WB	EAC5WB		
EAD4WB	EAD5WB		
EAE4WB	EAE5WB		
EAF4WB	EAF5WB		
EAG4WB	EAG5WB		
EAH4WB	EAH5WB		
EAJ4WB	EAJ5WB		
EAL4WB	EAL5WB		

Options

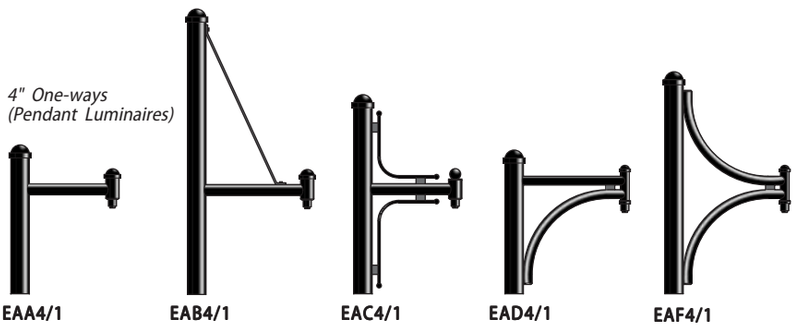
PER	NEMA twist-lock receptacle only
PE1	NEMA twist-lock photocontrol, 120V, 208V, 240V
PE3	NEMA twist-lock photocontrol, 347V
PE4	NEMA twist-lock photocontrol, 480V
PE7	NEMA twist-lock photocontrol, 277V

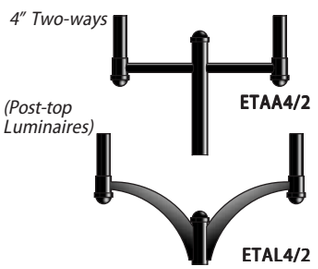
Finish

ANBK	Black
ANDB	Dark bronze
ANDG	Dark green
ANVG	Verde green (custom)
ANPP	Prime painted



Most arm styles are available as two-ways and wall brackets. See catalog numbers above for availabilitity.

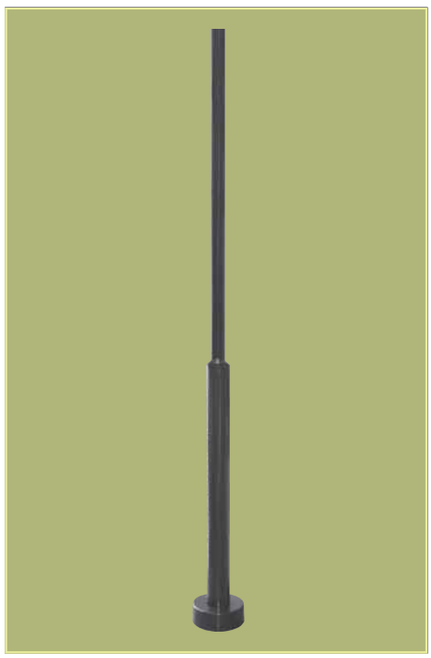






Contemporary Poles

EUROTIQUE®



Intended Use

Eurotique® poles provide a contemporary style appearance that is perfectly suited for use with Eurotique® luminaires and arms. Poles are available in 10-foot to 30-foot heights.

Features

Poles are available in either aluminum or steel. Poles are of one-piece construction with integral anchor/base plate and two-piece base cover or one-piece cast aluminum base with interior anchor bolts. Aluminum poles are available as round, straight, 4" and 5" or as round stepped, 4"/6.63" and 5"/7". Steel poles are available as round, straight, 4" and 5" or as round stepped, 5"/7".

Materials – Aluminum poles are manufactured of extruded aluminum, with cast aluminum anchor plate or base, base cover and handhole cover or access door. Steel poles are manufactured of steel tubing with steel anchor plates and cast aluminum base cover and handhole cover. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Installation – The 4", 5" and 4"/6.63" poles are supplied with four ¾" diameter, L-type anchor bolts. The 5"/7" aluminum poles are supplied with four 1" diameter, L-type anchor bolts. The 5"/7" steel poles are supplied with four 1¼" diameter, L-type anchor bolts. A hand-hole with cover is provided in the lower shaft for wiring access for EPAX and EPSX series poles. PXPD18 is provided with access door. Integral tenons are provided as required for mounting Eurotique® arms and luminaires.

Finish – The poles are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green. Consult factory for special custom colors or verde green finish.

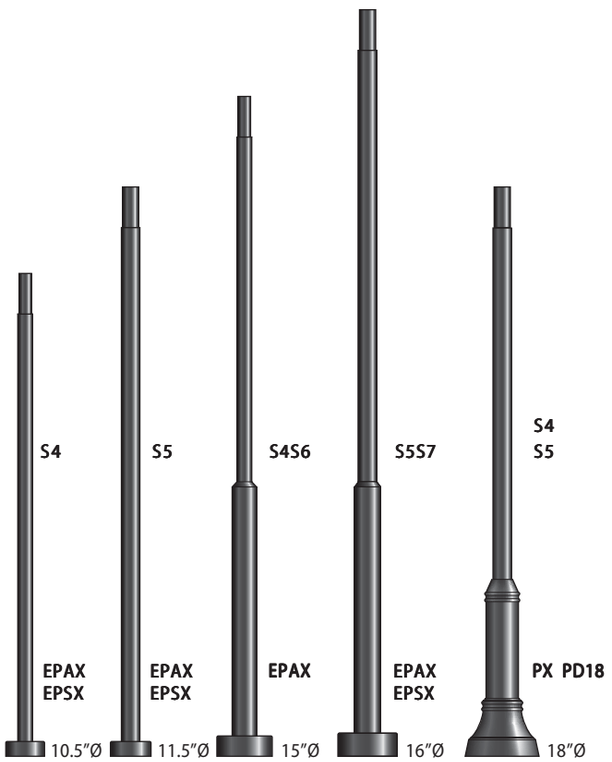
Ordering Information

Example: **EPSX 18 S4 3-3/8T11 ANBK**

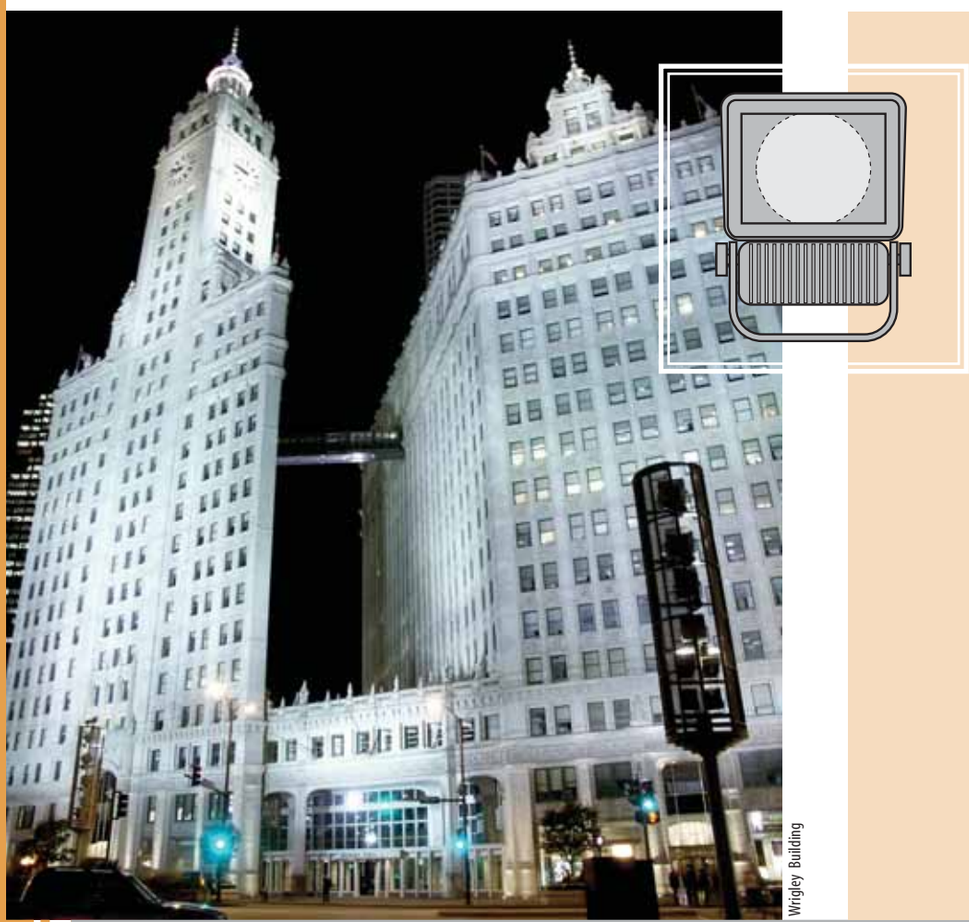
Pole series	Height	Shaft type
Aluminum **EPAX** **PX PD18**	**10** **12** **14** **16** **18**	4" Poles **S4**
Steel **EPSX**	**16** **18** **20**	4" Poles **S4**
Aluminum **EPAX**	**20** **22**	4/6.63" Poles **S4S6**
Aluminum **EPAX** **PX PD18** Steel **EPSX**	**16** **18** **20**	5" Poles **S5**
Aluminum **EPAX**	**20** **22** **24** **26**	5/7" Poles **S5S7**
Steel **EPSX**	**22** **24** **26** **28** **30**	5/7" Poles **S5S7**

Tenon	
4" Poles	
3-3/8T11	Standard tenon
3-3/8T8	Tenon for arm EAL4
0T0	Tenon for arm EAK4
5" Poles	
4-3/8T11	Standard tenon
4-3/8T8	Tenon for arm EAL5
0T0	Tenon for arm EAK5

Finish	
ANBK	Black
ANDB	Dark bronze
ANDG	Dark green
ANVG	Verde green (custom)
ANPP	Prime painted



Architectural Lighting



Wrigley Building

Hydrel® was launched with a mission: to make the most reliable underwater lighting the world has ever seen. This was no small task, since water is a hostile environment for lighting. But we accomplished it, and in the ensuing decades as we've moved up onto land, the Company has continued to build its expanding lines of outdoor lighting products the same way. Rugged. Impenetrable. Uncommonly reliable. One thing is certain: Hydrel products are engineered to outperform anything on the market. It is our DNA, and customers couldn't be happier.



FrostBank

Hydrel has always been the "tough environment" lighting company. It's no wonder. We earned our reputation the hard way – under water. And we excelled next with in-grade solutions, where the surroundings are only a fraction more hospitable.

The focus has been on night lights. These high-performance systems continue to define Hydrel, remaining at the heart of our offering.

However, in recent years architectural floodlights, accent lights and specialized lighting designs have brought Hydrel out into full view. This leads us to the next significant advance in broadening our reputation – the launch of a completely innovative approach to site lighting design.



LaReue Wynn Las Vegas

Our objective is to develop a comprehensive range of outdoor luminaires integrated by singular design signatures. As this concept comes to life, architects and lighting designers will be equipped, for the first time, to realize a high level of aesthetic continuity across all segments of site lighting.



Introducing G2™ designs, multi-faceted perimeter lighting that combines visual appeal with the superior performance and unequalled quality you expect from Hydrel.

For more information about G2™ products, see pages 596-600.

CONTENTS

















G2™ Series 596
Building Mounted 597
Pole Mounted 599
Bollards 600

Floodlighting 601

Site Lighting 611

In-grade Lighting 614

Accent Lighting 623

Step Lighting 632

Border Lighting 635

Mounting 639

Underwater Lighting 644

G2™ Merging geometric shapes, elegantly formed.



G2™ Block

Building Mounted

Intended Use

The G2™ Block Series may be applied over entries, within entries, up or down, on all building sides or in concert with G2™ Edge or G2™ Plate products. Lighting distributions are symmetric or asymmetric and project in short, medium and long configurations.

Material
Die-cast aluminum housing and door. Fixture fully sealed with silicone gasketing. All hardware for door and mounting accessories are stainless steel. Suitable for wet locations.

Lamp
175W max. metal halide MAX. Other lamp types available (see ordering guide).

Distribution
Area: IES Type II, IES Type III, IES Type IV, IES Type V.

Reflector
High purity anodized specular, semi-specular or patterned lighting sheet in various configurations providing optimum optical performance. Reflectors are interchangeable. Reflectors include both segmented and precision-formed types to provide maximum performance and uniformity. All HID sockets are porcelain medium-base or G12 based, pulse rated for 4KV.

Lens
Molded crowned tempered borosilicate.

Mounting
Surface mounted over recessed junction box or conduit stub-out.

Ballast
Integrally mounted. Rated for -20°C starting temperatures.

Finish
Polyester powder coated in a range of textured or semi-matte gray tone or earth tone colors.

Listings
U.L., C.U.L., IP65, IES full cut-off, suitable for wet locations.

Ordering Information

Example: **G2BD DN 150M 277 SR2 FLC OLS SF LPI DNAT**

Product	Orientation	Lamp type	Voltage	Distribution	Lens	Accessories	Option	Lamp
G2BD Block dome	**DN** Down	Metal halide	**120**	**SR2** IES Type II	**FLC**	Internal[2]	Photo control	**LPI** Lamp included
G2BW Block wedge	**UP** Up	**70M**	**208**	**SR3** IES Type III	**FLC5**	**IBS** Internal backlight shield	**PE** Photo cell	
		100M	**240**	**SR4SC** IES Type IV		**OLS** Obscuring lens	Fusing	
		150M	**277**	**SR5S** IES Type V		**CFAMB** Color filter amber	**DF** Double fuse[3]	
		175M	**347**			**CFBLU** Color filter blue	**SF** Single fuse[3]	
		Ceramic metal halide	**120/277**			**CFGRN** Color filter green	Ballast	
		70CM	**MVOLT**[1]			**CFRED** Color filter red	**GEB** Generic electronic ballast[4]	
		70CMT6	**TB**				**MLEBAD** Analog dimming ballast[4,5]	
		100CM					**BLS** Bi-level switching[6]	
		150CM						
		150CMT6						
		High pressure sodium						
		70S						
		150S						
		Fluorescent						
		26TRT						
		32TRT						
		42TRT						

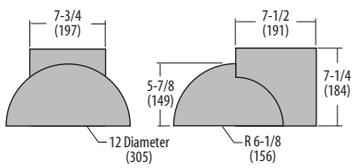
Finish	
DBLB	Designer black, textured
DSPD	Dark gray, textured
DNAT	Natural aluminum, textured
DWHG	Designer white, textured
DDBT	Dark bronze, textured
DSPF	Rust, textured
DSST	Sandstone, textured
CF	Custom finish

NOTES:
1. MVOLT is standard on all fluorescent and metal halide lamps with electronic ballast option.
2. Accessories are mutually exclusive. Choose one.
3. SF only valid with 120V, 277V or 347V. DF only valid with 208V or 240V.
4. Electronic ballasts only are available with metal halide (150W max), fluorescent and MVOLT ballasts.
5. 0-10V dimmer required (by others).
6. BLS only available for 175M and 150S.

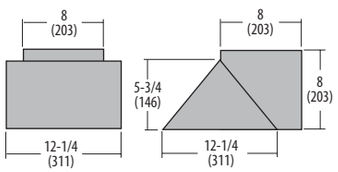
NIGHTTIME FRIENDLY
Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

Down (DN) orientation only.

G2BD



G2BW





G2™ Family

G2™ Edge

Building Mounted

Intended Use

G2EDGE is uniquely suited for mounting to columns and mullions. Choice of small-scale dome or wedge shaped enclosures house a wide range of high-performance optical systems for safe and secure perimeter lighting, or accent or wallwash lighting effects.

Material
Die-cast aluminum housing and door. Fixture fully sealed with silicone gasketing. All hardware for door and mounting accessories are stainless steel. Suitable for wet locations.

Lamp
175W max. metal halide MAX. Other lamp types available.

Distribution
Area: IES Type II, IES Type III, IES Type IV, IES Type V. flood: narrow spot, spot, flood, wide flood, wall wash.

Reflector
High purity anodized specular, semi-specular, or patterned lighting sheet in various configurations providing optimum optical performance. Reflectors are interchangeable. Reflectors include both segmented and precision-formed types to provide maximum performance and uniformity. All HID sockets are porcelain medium-base or G12 based, pulse rated for 4KV.

Lens
Molded crowned tempered borosilicate.

Mounting
Surface mounting over recessed, compact junction box or conduit stub-out.

Ballast
Integrally mounted. Ballasts are 100% factory tested, and rated for -20°C starting temperatures.

Finish
Polyester powder coated in a range of textured or semi-matte gray tone or earth tone colors.

Listings
U.L., C.U.L., IP65, IES full cut-off, suitable for wet locations.

Ordering Information

Example: **G2EW DN 150M 277 SR2 STD FLC OLS SF LPI DNAT**

Product
- **G2ED** Edge dome
- **G2EW** Edge wedge

Orientation
- **DN** Down
- **UP** Up

Lamp type

Metal halide
- **70M**
- **100M**
- **150M**
- **175M**

Ceramic metal halide
- **70CM**
- **70CMT6**
- **100CM**
- **150CM**
- **150CMT6**

High pressure sodium
- **70S**
- **150S**

Fluorescent
- **26TRT**
- **32TRT**
- **42TRT**

Voltage
- **120**
- **208**
- **240**
- **277**
- **347**
- **120/277**
- **MVOLT**[1]
- **TB**

Distribution
- **NSP** Narrow spot[2]
- **SP** Spot
- **FL** Flood
- **WFL** Wide flood
- **SR2** IES Type II
- **SR3** IES Type III
- **SR4SC** IES Type IV
- **SR5S** IES Type V
- **WWD** Wall wash[3]

Mounting
- **STD** Standard for mounting on stub out or 3" wide or less junction box
- **E4S** 40 or 4S junction box cover
- **STDDE** Standard direct entry 3/4" NPT

Lens
- **FLC**
- **FLC5**

Accessories[4]
- **IBS** Internal backlight shield
- **OLS** Obscuring lens
- **CFAMB** Color filter amber
- **CFBLU** Color filter blue
- **CFGRN** Color filter green
- **CFRED** Color filter red

Option

Photo control
- **PE** Photo cell

Fusing[5]
- **DF** Double fuse
- **SF** Single fuse

Ballast
- **GEB** Generic electronic ballast[6]
- **MLEBAD** Analog dimming ballast[6,7]
- **BLS** Bi-level switching[8]

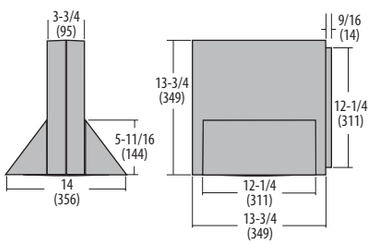
Lamp
- **LPI** Lamp included

Finish
- **DBLB** Designer black, textured
- **DSPD** Dark gray, textured
- **DNAT** Natural aluminum, textured
- **DWHG** Designer white, textured
- **DDBT** Dark bronze, textured
- **DSPF** Rust, textured
- **DSST** Sandstone, textured
- **CF** Custom finish

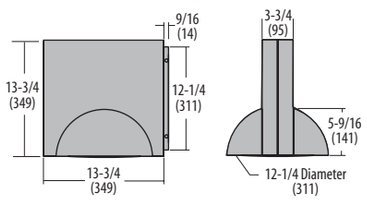
Optional two-tone finish
- **__/ GLS** Gloss finish on dome/wedge
- **__/ POL** Polished finish on dome/wedge[9]



G2EW



G2ED



NOTES:
1. MVOLT is standard on all fluorescent and metal halide lamps with electronic ballast option.
2. NSP only available with 70CMT6 and 150CMT6.
3. WWD includes 14" extended wall mount, consult factory.
4. Accessories are mutually exclusive. Choose one.
5. SF only valid with 120V, 277V, or 347V. DF only valid with 208V or 240V.
6. Electronic ballasts only are available with metal halide lamps, 150W max.
7. 0-10V dimmer required (by others).
8. BLS only available for 175M and 150S.
9. Not available with G2EW.

NIGHTTIME FRIENDLY
Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction
Down (DN) orientation only.

www.hydrel.com

G2™ Xtend

Pole Mounted

Intended Use

Pole mounted dome or wedge shaped enclosures house a range of high-performance optical systems for path, plaza and parking areas.

Material
Die-cast aluminum housing and door. Fixture fully sealed with silicone gasketing. All hardware for door and mounting accessories are stainless steel. Suitable for wet location.

Lamp
T-6, G12 to 150W; E-17 med. base to 175W.

Socket
G-12, medium-base or E27 base.

Distribution
Area: IES Type II, IES Type III, IES Type IV, IES Type V.

Reflector
High purity anodized specular, semi-specular, or patterned lighting sheet in various configurations providing optimum optical performance. Reflectors are interchangeable. Segmented reflectors provide maximum performance and uniformity. All HID sockets are porcelain medium-base or G12 based, pulse rated for 4KV.

Lens
Molded crowned tempered borosilicate.

Mounting
Luminaire mounts to 4" square or 4" round pole standard aluminum. A custom 3-3/4" square design pole with center line reveals also available.

Ballast
High power factor magnetic ballast standard. Electronic ballast also available. Ballast rated for low starting temperatures.

Finish
Polyester powder coated in a range of textured or semi-matte gray tone or earth tone colors.

Weight
29.5 lbs.

EPA
1.45

Listings
U.L., C.U.L., IP65, IES full cut-off, suitable for wet locations.

Ordering Information

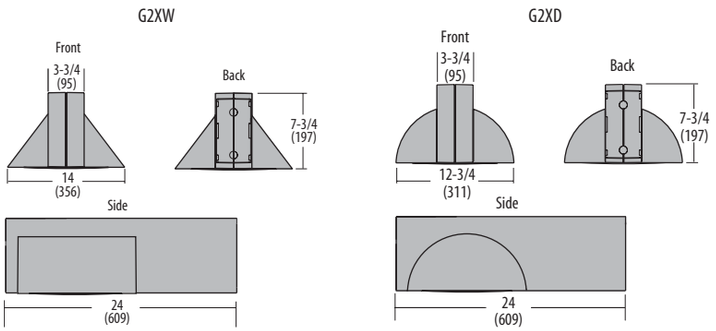
Example: **G2XW 150M 277 SR2 SPA OLS SF LPI DNAT**

Product	Lamp type	Voltage	Distribution	Mounting	Accessories[2]	Option	Lamp
G2XD Xtend dome	Metal halide	**120**	**SR2** IES Type II	**SPA** Square pole mount	**IBS** Internal backlight shield	Photo control	**LPI** Lamp included
G2XW Xtend wedge	**70M**	**208**	**SR3** IES Type III	**RPA** Round pole mount	**OLS** Obscuring lens	**PE** Photo cell	
	100M	**220**	**SR4SC** IES Type IV			Fusing	
	150M	**240**	**SR5S** IES Type V			**DF** Double fuse[3]	
	175M	**277**				**SF** Single fuse[3]	
	Ceramic metal halide	**347**				Ballast	
	70CM	**120/277**				**GEB** Generic electronic ballast[4]	
	70CMT6	**MVOLT**[1]				**MLEBAD** Analog dimming ballast[4,5]	
	150CM	**TB**				**BLS** Bi-level switching[6]	
	150CMT6						
	High pressure sodium						
	70S						
	150S						
	Fluorescent						
	26DTT						
	32TRT						
	42TRT						

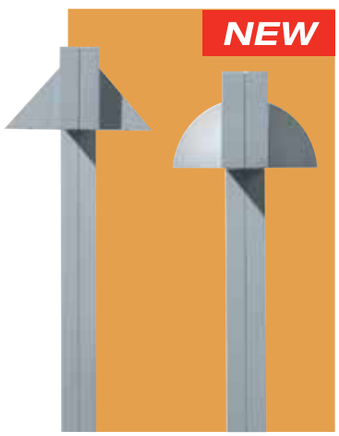
Finish
DBLB Designer black, textured
DSPD Dark gray, textured
DNAT Natural aluminum, textured
DWHG Designer white, textured
DDBT Dark bronze, textured
DSPF Rust, textured
DSST Sandstone, textured
CF Custom finish
Optional two-tone finishes
__/GLS Gloss finish on dome/ wedge
__/POL Polished finish on dome

NOTES:
1. MVOLT is standard on all fluorescent or metal halide lamps with electronic ballast option.
2. Accessories are mutually exclusive. Choose one.
3. SF only valid with 120V, 277V, or 347V. DF only valid with 208V or 240V.
4. Electronic ballasts only are available with metal halide lamp types, 150W max.
5. 0-10V dimmer required (by others).
6. BLS only available for 175M and 150S.

NIGHTTIME FRIENDLY
Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction



Note: see specification sheet for more detailed dimensions.



G2™ Family

G2™ Louver Bollard

Intended Use

The G2™ Bollard Series is designed to work in building perimeter areas and public spaces completing a wide variety of architectural styles. The G2™ Bollard fixture offers an unmatched impact-resistant mounting and leveling design ensuring life-long performance.

Material
Copper-free aluminum A360.

Lamp
Fluorescent: 42W max., triple tube. HID: 70W max. G12, 100W max. E17.

Ballast
Integrally mounted core and coil, electronic ballast with low starting temperature.

Light Options
Choose between patent-pending LED color wash or light wash. The LED color wash option adds vibrant color to the bollard and creates the opportunity for customized applications. The optional light wash reflector illuminates the bollard base by redirecting light from main lamp source.

Fasteners
Stainless steel.

Finish
Polyester powder coated in a range of textured semi-matte.

Listings
U.L., C.U.L., IP65, suitable for wet locations.

IES cutoff.

Ordering Information

Example: **G2LBD 36 100M MVOLT SYM LEDBF LEDCWB DCT GEB LPIC DNAT**

Product
- **G2LBD**
- **G2LBW**

Overall height[1]
- **36**
- **42**

Lamp type
- Metal halide[2]
  - **70M**
  - **100M**
- Ceramic metal halide[2]
  - **70CM**
  - **100CM**
  - **35CMT6**
  - **70CMT6**
- High pressure sodium[2]
  - **50S**
  - **70S**
  - **100S**
- Fluorescent
  - **26DTT**
  - **32TRT**
  - **42TRT**

Voltage
- **120**
- **208**
- **240**
- **277**
- **347**
- **120/277**
- **MVOLT**[3]
- **TB**

Distribution
- **SYM** Symmetric
- **FT** Forward throw

Light options – front[4]
- **LWF** Light wash front
- **LEDAF** LED color wash, amber front
- **LEDBF** LED color wash, blue front
- **LEDRF** LED color wash, red front
- **LEDCWF** LED color wash, cool white front
- **LEDWWF** LED color wash, warm white front
- **LEDRYF** LED color wash, royal blue front

Light options – back[4]
- **LWB** Light wash back
- **LEDAB** LED color wash, amber back
- **LEDBB** LED color wash, blue back
- **LEDRB** LED color wash, green back
- **LEDCWB** LED color wash, cool white back
- **LEDWWB** LED color wash, warm white back
- **LEDRYB** LED color wash, royal blue back

Option

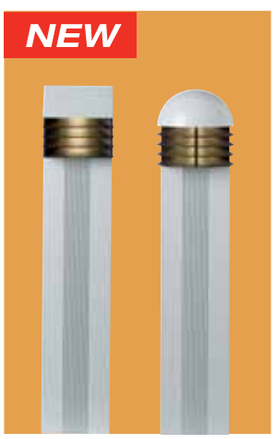
Control
- **DCT** Dual circuit[5]

Fusing
- **DF** Double fuse[6]
- **SF** Single fuse[7]

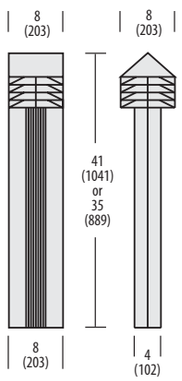
Ballast
- **GEB** Generic electronic ballast[8]
- **MLEBAD** Electronic dimming ballast[8,9]
- **EL N SD** Emergency battery backup self diagnostic[10]

Lamp[11]
- **LPI** Lamp included
- **LPIC** Lamp included (coated)

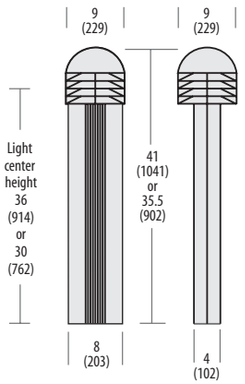
Finish
- **DBLB** Designer black, textured
- **DSPD** Dark gray, textured
- **DNAT** Natural aluminum, textured
- **DWHG** Designer white, textured
- **DDBT** Dark bronze, textured
- **DSPF** Rust, textured
- **DSST** Sandstone, textured
- **CF** Custom finish
- **_/PL** Louvers to match[12]



G2LBW



G2LBD



NOTES:
1. Bollard heights are nominal (shown in inches).
2. All lamps (excluding 35CMT6 and 70CMT6) are coated as recommended unless LPI is specified.
3. MVOLT standard with fluorescent lamps and metal halide lamps with electronic ballast option.
4. Light options are mutually exclusive. Choose one per side. For single circuit wiring, LED light option not available with MVOLT or electronic ballast option operating at 277V, or with 347V. For DCT dual circuit option, secondary LED voltage required to be 120V (for primary voltages: 120V, 208V, 347V, MVOLT) or 240V (for primary voltages 240V or 277V).
5. DCT available with LED color wash option only.
6. SF available with 120V, 277V or 347V on HID fixture only.
7. DF available with 208V or 240V on HID fixture only.
8. Electronic ballast options available with metal halide lamps only.
9. 0-10V remote analog dimmer system required (by others).
10. Available with fluorescent only.
11. LPIC recommended for E17 and ED17 lamps. Not available with fluorescent, 35CMT6 or 70CMT6 HID lamps.
12. Standard louver finish: matte black top, high gloss white bottom unless ___/PL is chosen. ___/PL is not recommended for DWHG white or other light color finishes due to increased visible glare and reduced fixture cutoff.

7000

Intended Use

The 7000 Series floodlight is a compact, high-performance outdoor fixture used for façade and landscape lighting.

Material
Die-cast aluminum housing and door.

Lens
Flat tempered glass.

Lamp
Incandescent: T-4, mini-can to 100W. Fluorescent: TRT triple-tube lamps to 42W. HID: T-6, G12 to 70W, E-17 medium-base to 70W; elliptical, E-27 to 80W.

NOTE: All lamps must be rated for "Universal Burning Position" because fixture tilt changes lamp orientation.

Socket
Incandescent: mini-can screw base. Fluorescent: 4-pin, GX24Q base. HID: G-12, medium, or E27 base pulse-rated 4KV.

Reflector
High purity anodized specular, semi-specular or patterned lighting sheet in various configurations designed to provide maximum performance and uniformity.

Electrical Components
Integrally mounted ballasts rated for low temperatures.

Finish
Polyester powder coated in a range of textured or semi-matte finishes.

Fasteners
Stainless steel.

Weight
20 lbs.

EPA
0.64

Listings
U.L., C.U.L., IP65, suitable for wet locations.

Ordering Information

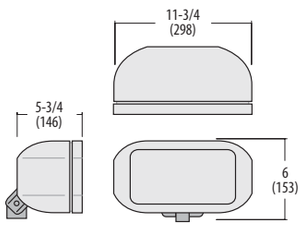
Example: **7000 70M 120 FL YM SMSA18 BD LPI BL**

Product	Lamp type	Voltage	Distribution	Mounting	Mounting accessories	Accessories	Lamp	Finish
7000	Incandescent[1] **100Q** Fluorescent **26TRT** **32TRT** **42TRT** Metal halide **70M** **100M** Ceramic metal halide **70CM** **35CMT6** **70CMT6** High pressure sodium **35S**[1] **50S** **70S**	**120** **208** **240** **277** **347** **120/277** **MVOLT**[2] **TB**	**TSP** Tight spot[3] **NHSP** Narrow horizontal spot[3] **MFL** Medium flood[3] **FL** Flood[4]	**KM** Knuckle mount **YM** Yoke mount	See page 610.	Internal **ISS** Internal source shield[5] **IHL** Internal honeycomb louver[6,7] **CFAMB** Color filter amber[7] **CFRED** Color filter red[7] **CFBLU** Color filter blue[7] **CFGRN** Color filter green[7] External[8] **BD** Barn doors **GS** Glare shield	**LPI** Lamp included	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom

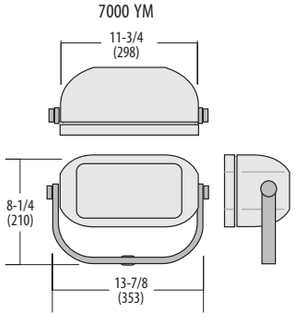
NOTES:
1. Available in 120V only.
2. MVOLT is the standard voltage for fluorescent lamps.
3. Available with T6 and T4 lamps only.
4. Available with E17 and TRT lamps only.
5. Available with TSP and MFL distributions only.
6. Available with FL distribution only.
7. Not available with NHSP.
8. Accessories are mutually exclusive. Choose one.

* Mounting not included.

7000 KM



7000 YM





Architectural Floodlight

7100

Intended Use

The 7100 Series floodlight is a compact, high-performance outdoor fixture used for façade and landscape lighting.

Material
Die-cast aluminum housing and door.

Lamp
Incandescent: T-3, RSC Quartz to 500W, T-4, minican to 250W. HID: T-6, G12 to 150W, E-17 medium-base to175W; elliptical, E-27 to 150 W.

NOTE: All lamps must be rated for "Universal Burning Position" because fixture tilt changes lamp orientation.

Socket
Incandescent: recessed single contact (RSC), minican screw base. HID: G-12, medium or E27 base pulse-rated 4KV.

Reflector
High purity anodized specular, semi-specular, patterned lighting sheet in various configurations designed to provide maximum performance and uniformity.

Lens
Flat tempered glass standard.

Mounting
Knuckle or yoke mounted (180° vertical, 360° rotation); fixed mounted for ceiling or wall. Knuckle mount: die-cast aluminum with 3/4" NPT galvanized nipple standard. Yoke mount: aluminum with 10 ft of 18-3 STW flexible cord polymer yoke mount caps are black finish.

Electrical Components
Integrally mounted ballasts rated for low starting temp.

Finish
Polyester powder coated in a range of textured or semi-matte finishes.

Fasteners
Stainless steel.

Weight
37 lbs.

EPA
1.27

Listings
U.L., C.U.L., IP65, suitable for wet locations.

Ordering Information

Example: **7100 150M 120 VFL KM WMSA BD SF LPI BL**

Product
- **7100**

Lamp type
- Incandescent
  - **250Q**
  - **300Q**
  - **400Q**
  - **500Q**
- Metal halide
  - **70M**
  - **100M**
  - **150M**
  - **175M**
- Ceramic metal halide
  - **70CM**
  - **100CM**
  - **70CMT6**
  - **150CMT6**
  - **70CMTD**
  - **150CMTD**
- High pressure sodium
  - **70S**
  - **100S**
  - **150S**

Voltage
- **120**
- **208**
- **240**
- **277**
- **347**
- **120/277**
- **TB**

Mounting
- **KM** Knuckle mount
- **YM** Yoke mount
- **CM** Ceiling mount[3]
- **WMS** Wall mount side[3]
- **WUS** Wall mount side up[3]

Distribution
- **NSP** Narrow spot[1]
- **NHSP** Narrow horizontal spot[2]
- **SP** Spot
- **HSP** Horizontal spot
- **HFL** Horizontal flood[2]
- **VFL** Vertical flood
- **WFL** Wide flood

Mounting accessories
See page 610.

Accessories
- Internal
  - **ISS** Internal source shield[4]
  - **CFAMB** Color filter amber
  - **CFRED** Color filter red
  - **CFBLU** Color filter blue
  - **CFGRN** Color filter green
- External[5]
  - **BD** Barn doors
  - **GS** Glare shield[6]
  - **LC** Polycarbonate cover[6]

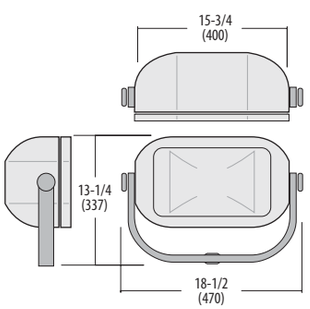
Option
- Fusing
  - **SF** Single fuse[7]
  - **DF** Double fuse[8]
- Photo control
  - **PE** Photo cell
- Re-strike
  - **QRS** Quartz emergency re-strike[9]

Lamp
- **LPI** Lamp included

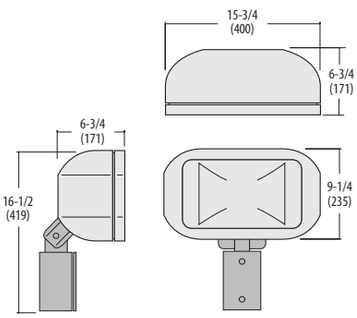
Finish
- **BL** Black
- **BZ** Bronze
- **DDB** Dark bronze
- **DNA** Natural aluminum
- **GN** Green
- **GR** Gray
- **SND** Sand
- **STG** Steel gray
- **TVG** Terra verde green
- **WH** White
- **CF** Custom



7100 KM



7100 YM



NOTES:
1. Available with 70CMT6, 150CMT6 and 250Q lamps only.
2. Not available with RSC base lamps.
3. Not available with mounting accessories.
4. Not available with VFL or WFL distributions.
5. Accessories are mutually exclusive. Choose one.
6. Not available with CM mounting.
7. Available with 120V, 277V or 347 HID only.
8. Available with 208V or 240V HID only.
9. Not available with NSP, WFL and HSP distribution.

* Mounting not included.

7200

400W max.

Intended Use

The 7200 Series floodlight is a high-performance fixture used for façade and area lighting.

Material
Die-cast aluminum housing and door.

Lamp
HID to 400W.

NOTE: All lamps must be rated for "Universal Burning Position" because fixture tilt changes lamp orientation.

Socket
Porcelain mogul base rated 5KV.

Reflector
High purity anodized specular, semi-specular, or patterned lighting sheet in various configurations designed to provide optimum optical performance. Reflectors are interchangeable using four screws and quick-release electrical connectors (with the exception of spot reflectors). Reflectors include both segmented and hydroformed types to provide maximum performance and uniformity.

Lens
Flat tempered glass.

Mounting
Knuckle or yoke mounted (180° vertical, 360° rotation) on pole, stanchion, wall or tenons.

Electrical Components
Integrally mounted ballasts rated for low temperatures.

Finish
Polyester powder coated in a range of textured semi-matte finishes.

Fasteners
Stainless steel.

Weight
50 lbs.

EPA
3.00

Listings
U.L., C.U.L., IP65, suitable for wet locations.

Ordering Information

Example: **7200 400M 277 WFL KM EWM24 GS LPI BZ**

Product
7200

Lamp type
Metal halide
200M[1,2]
250M
320M[1]
350M[1,2]
400M
High pressure sodium
250S
400S

Voltage
120
208
240
277
347
120/277
TB

Distribution
SP Spot
HSP Horizontal spot
NHSP Narrow horizontal spot
HFL Horizontal flood
VFL Vertical flood
WFL Wide flood

Mounting
KM Knuckle mount
YM Yoke mount

Mounting accessories
See page 610.

Accessories
Internal
ISS Internal source shield[3]
CFAMB Color filter amber
CFRED Color filter red
CFBLU Color filter blue
CFGRN Color filter green
External[4]
BD Barn doors
GS Glare shield
LC Polycarbonate cover
EGL Ext. grid louver[5]
FGS Full glare shield

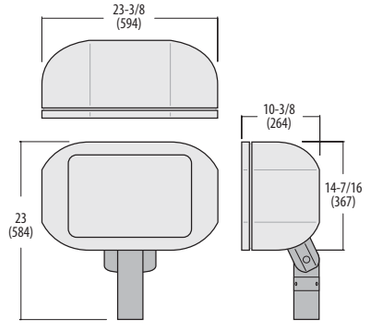
Options
SF Single fuse[6]
DF Double fuse[7]
PER Photo cell receptacle[8]
QRS Quartz emergency re-strike ballast[9]
CWA Constant wattage ballast[10]
SCWA Super CWA pulse start[11]

Lamp
LPI Lamp included

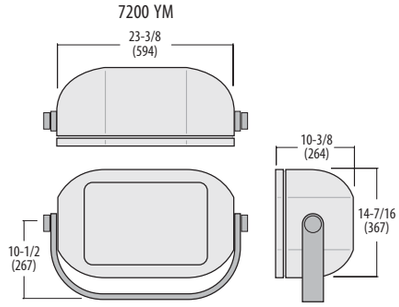
Finish
BL Black
BZ Bronze
DDB Dark bronze
DNA Natural aluminum
GN Green
GR Gray
SND Sand
STG Steel gray
TVG Terra verde green
WH White
CF Custom

NOTES:
1 Available only with SCWA ballast.
2 200M and 350M are not available with SP distribution.
3 Not available with WFL distribution.
4 Accessories are mutually exclusive. Choose one.
5 EGL accessory available in matte black finish only.
6 Available with 120V, 277V or 347V HID only.
7 Available with 208V, 240V or 480V HID only.
8 NEMA twist lock receptacle only, photo control by others and requires mounting accessory.
9 Not available with TBV, NHSP, SP, WFL or HSP.
10 Available only with 250M or 400M.
11 Available only with 200M, 250M, 320M, 350M or 400M.

7200 KM



7200 YM





www.hydrel.com

Architectural Floodlight

7200

1000W

Intended Use

The 7200 Series flood is designed for use in façade and area lighting.

Material
Die-cast aluminum housing and door.

Lamp
HID to 1000W.

NOTE: All lamps must be rated for "Universal Burning Position" because fixture tilt changes lamp orientation.

Socket
Porcelain mogul base rated 5KV.

Reflector
High purity anodized specular, semi-specular or patterned lighting sheet in various configurations to provide optimum optical performance. Reflectors are interchangeable using four screws and quick-release electrical connectors (with the exception of spot reflectors.) Reflectors include both segmented and hydroformed types to provide maximum performance and uniformity.

Lens
Flat tempered glass.

Electrical Components
Externally mounted ballasts rated for low starting temp. Ballast box must be specified.

Finish
Polyester powder coated in a range of textured or semi-matte finishes.

Fasteners
Stainless steel.

Weight
40 lbs. – Head only, does not include ballast.

EPA
3.00

Listings
U.L., C.U.L., IP65, suitable for wet locations.

Ordering Information

Example: **7200 1000M 120 VFL KM SMB GS LPI BZ**

Product
- **7200**

Lamp type
- **1000M**
- **1000S**

Voltage
- **120**
- **208**
- **240**
- **277**
- **347**
- **120/277**
- **TB**
- **TBV**

Distribution
- **SP** Spot
- **HSP** Horizontal spot
- **NHSP** Narrow horizontal spot
- **HFL** Horizontal flood
- **VFL** Vertical flood
- **WFL** Wide flood

Mounting
- **KM** Knuckle mount
- **YM** Yoke mount

Ballast mounting accessories[1]
- **SMB** Surface mounted ballast
- **SMBEWM** SMB extended wall mount
- **SMBPMT** Pole mount tee[2]
- **SMBSMSA** SMB stanchion mount
- **SMBSMT** SMB stanchion mount tee[2]
- **SMBTNM** SMB tenon mount[3]

For futher information, see page 641.

Accessories

Internal
- **ISS** Internal source shield[4]

External[5]
- **BD** Barn doors
- **GS** Glare shield
- **EGL** Ext. grid louver[6]
- **FGS** Full glare shield

Options

Fusing
- **SF** Single fuse[7]
- **DF** Double fuse[8]

Photo control
- **PER** Photo cell receptacle[9]

Re-strike
- **QRS** Quartz emergency re-strike ballast[10]

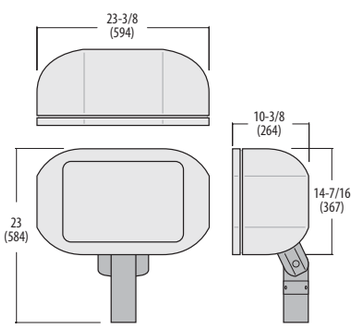
Ballast
- **CWA** Constant wattage ballast[11]

Lamp
- **LPI** Lamp included

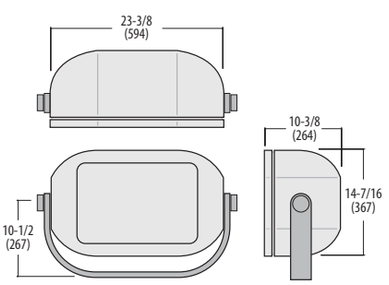
Finish
- **BL** Black
- **BZ** Bronze
- **DDB** Dark bronze
- **DNA** Natural aluminum
- **GN** Green
- **GR** Gray
- **SND** Sand
- **STG** Steel gray
- **TVG** Terra verde green
- **WH** White
- **CF** Custom



7200 KM

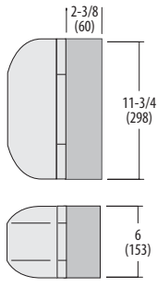


7200 YM

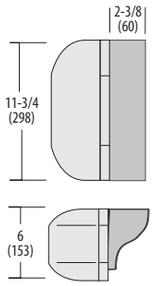


NOTES:
1. If not selected, fixture will ship less ballast.
2. Two fixtures per mount.
3. For use with KM only.
4. Not available with WFL distribution.
5. Accessories are mutually exclusive. Choose one.
6. EGL available in matte black finish only.
7. Available with 120V, 277V or 347V only.
8. Available with 208V, 240V or 347V only.
9. NEMA twist lock receptacle only, photo control by others.
10. Not available with TBV, NHSP, SP, WFL or HSP distribution.
11. Available with 1000M only.

7000

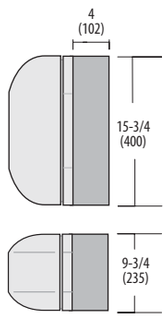


BD Barn doors

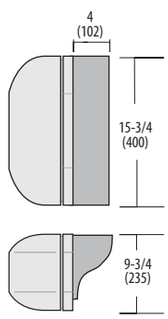


GS Glare shield

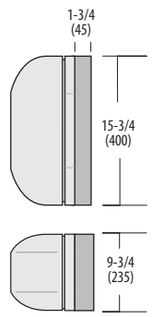
7100



BD Barn door

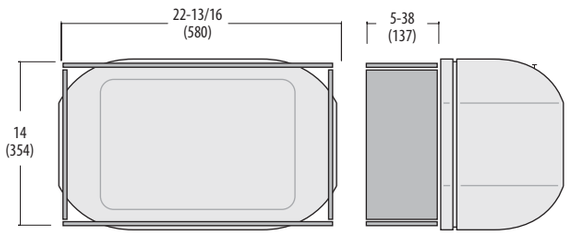


GS Glare shield

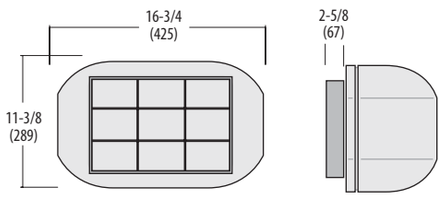


LC Polycarbonate cover

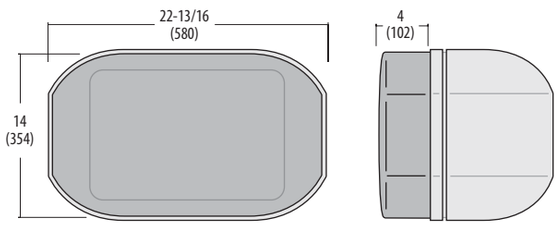
7200



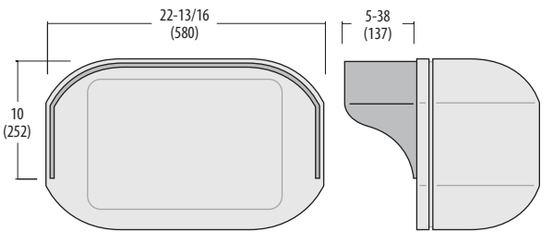
BD Barn door



EGL Eternal grid louver



LC Lexan covers



GS Glare shield

Performance Floodlight

8100

Intended Use

The 8100 Series is a high-performance compact precision lighting system that provides consistent styling with a variety of light distributions. Multiple optical systems provide a wide range of precise light control. For use in façade, area and pathway lighting.

Material
Die-cast, copper-free aluminum (A360) housing and doors.

Lamp
ED-17 medium-base to 175W, T6 G12 base to 150W, Quartz T4 mini-can base to 250W.

Reflector
High purity anodized specular, semi-specular or patterned lighting sheet in various configurations to provide optimum optical performance and uniformity.

Lens
Flat tempered glass for maximum resistance to impact and thermal shock.

Mounting
AWM: cast aluminum wall mount plate for mounting over 4-0/4-S recessed J-Box. AWMDE: surface conduit direct entry available for through-branch wiring, 3/4" NPT drilling standard. PM: steel mounting plates for attachment to pole using a unique block/receiver assembly. The block bolts to a pole and engages the receiver within the 8100 integral arm. A single threaded locking fastener secures the fixture to pole. YM: 1-1/2" wide aluminum yoke, 15° up/down adjustment and stainless steel locking hardware allows fixture head to easily be aimed and fixed in place. Fixtures are provided with a minimum of 10 ft of 18/3 ST-W cord for power supply.

Ballast
High power factor magnetic core and coil standard. Electronic ballast optional.

Finish
Textured TGIC powder coat polyester finish.

EPA
1.41

Weight
26.5 max.

Listings
U.L., C.U.L., IP67.

Ordering Information

Example: **8100 150M 120 VWFL YM SMSA18 BD LPI BL**

Product
- **8100**

Lamp type
- Incandescent
  - **100Q**
  - **150Q**
  - **250Q**
- Fluorescent[1]
  - **42TRT**
  - **2/42TRT**
- Metal halide
  - **50M**
  - **70M**
  - **100M**
  - **150M**
  - **175M**
- Ceramic metal halide
  - **70CM**
  - **100CM**
  - **70CMT6**
  - **150CMT6**
- High pressure sodium
  - **50S**
  - **100S**
  - **150S**

Voltage
- **120**
- **208**
- **240**
- **277**
- **347**
- **120/277**
- **TB**
- **MVOLT**[2]

Distribution
- Floodlights[3]
  - **NSP** Narrow spot[4]
  - **SP** Spot
  - **NFL** Narrow flood
  - **MFL** Medium flood
  - **FL** Flood
  - **WFL** Wide flood
  - **VWFL** Vertical wide flood[5]
- Area lights
  - **SR2** IES Type II
  - **SR3** IES Type III
  - **SR4SC** IES Type IV
  - **SR5S** IES Type V

Mounting
- **AWM** Adj. wall mount
- **AWMDE** Adj. wall mount, direct entry
- **YM** Yoke mount
- **PMEF** Pole mount flat, square pole
- **PME3** Pole mount 3" diameter, round pole
- **PME4** Pole mount 4" diameter, round pole

Mounting accessories
See page 610.

Accessories
- Internal
  - **ISS** Internal source shield[6]
  - **LSF** Linear spread filter
  - **VSF** Vertical spread filter
  - **CFAMB** Color filter amber
  - **CFRED** Color filter red
  - **CFBLU** Color filter blue
  - **CFGRN** Color filter green
- External[7]
  - **BD** Barn doors
  - **FGS** Full glare shield
  - **HGS** Half glare shield
  - **HS** House side shield[8]
  - **WRG** Wire rock guard

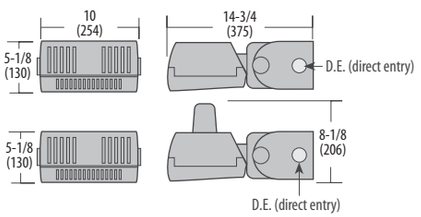
Options
- Photo control
  - **PE** Photo cell[9]
- Fusing
  - **SF** Single fuse[10]
  - **DF** Double fuse[11]
- Ballast
  - **GEB** Generic electronic ballast[12]
  - **MLEBAD** Electronic analog dimming[12, 13]
  - **ELN** Battery backup (for (2) 42TRT only)[5]
  - **ELNICE** Battery backup for operation in low temperature conditions (for (2) 42TRT only)[5]

Lamp
- **LPI** Lamp included

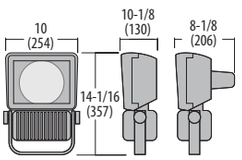
Finish
- **BL** Black
- **BZ** Bronze
- **DDB** Dark bronze
- **DNA** Natural aluminum
- **GN** Green
- **GR** Gray
- **SND** Sand
- **STG** Steel gray
- **TVG** Terra verde green
- **WH** White
- **CF** Custom



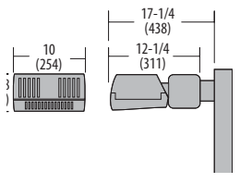
8100 AWM/AWMDE



8100 YM



8100 PM



NOTES:
1. Fluorescent lamps only available with flood (FL) distribution.
2. MVOLT is standard on all fluorescent lamps (unless ELN selected) and metal halide lamps with GEB or MLEBAD option.
3. Flood distributions are not available with PMEF, PME3 or PME4.
4. Available for G12 and mini-can bases only. NSP = spot distribution with ISS.
5. Only available with 2/42TRT.
6. Not available with SR2, SR3, SR5, standard on NSP and SR4SC.
7. Accessories are mutually exclusive. Choose one.
8. HS only available with SR2 and SR3 distributions and not available with yoke mount.
9. PE not available with yoke mount.
10. SF is available with 120V, 277V or 347V on HID only.
11. DF is available with 208V, 220V or 240V on HID only.
12. Electronic ballast only are available with metal halide lamps 150W max. and MVOLT voltage.
13. 0-10V dimmer not included.

8100

Emergency Only

Intended Use

The 8100 EO Series is a high-performance emergency compact fluorescent lighting system. Recommended applications: Areas along the path of egress, educational, athletic fields, health care and commercial facilities needing standby of emergency illumination. For use in façade, area and pathway lighting.

Operation
When the normal supply of AC power fails, the 8100 EO instantly switches to the emergency mode, keeping two compact fluorescent lamps illuminated for a minimum of 90 minutes at full output. When AC power is restored the emergency system returns to the normal mode. Ambient temperature -20°C to + 55°C with ICE option.

Material
Die-cast, copper-free aluminum (A360) housing and doors.

Lamp
Two 42W Gx24q-4 base compact fluorescent lamps.

Mounting
YM: 1-1/2" wide aluminum yoke and stainless steel locking hardware allows fixture head to easily be aimed and fixed in place. Fixtures are provided with a minimum of 10 ft of 18/3 ST-W cord for power supply. **AWM:** cast aluminum wall mount plate for mounting over 4-0/4-S recessed J-Box. 15° up/down adjustment. AWMDE: surface conduit direct entry available for through-branch wiring, 3/4" NPT drilling standard. PM: steel mounting plates for attachment to pole using a unique block/receiver assembly. The block bolts to a pole and engages the receiver within the 8100 integral arm. A single threaded locking fastener secures the fixture to pole.

Illumination Time
90 minutes.

Total Lumen Output
6400 lumens.

Test Switch
Single pole.

Charging Indicator Light
LED.

Recharge Time
24 Hours.

Input Voltage
120V or 277V, 60Hz.

EPA
1.5

Finish
Textured TGIC powder coat polyester finish.

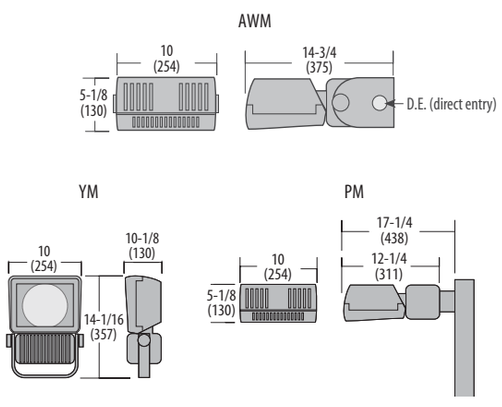
Listings
U.L., C.U.L., IP67.

Ordering Information

Example: **8100 EO 2/42TRT 120 FL YM LPI BL**

Product	Emergency	Lamp type	Voltage	Distribution	Mounting	Mounting accessories	Options	Lamp	Finish
8100	**EO**	Fluorescent **2/42TRT**	**120** **277**	**FL** Flood	**AWM** Adj. wall mount **AWMDE** Adj. wall mount, direct entry **YM** Yoke mount **PME3** Pole mount 3" diameter, round pole **PME4** Pole mount 4" diameter, round pole	See page 610.	**ICE** For low ambient conditions **RTSW** Remote test switch	**LPI** Lamp included	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom

NOTES:
OPERATION: When the normal supply of AC power fails, the 8100 EO instantly switches to the emergency mode, keeping two compact fluorescent lamps illuminated for a minimum of 90 minutes. When AC power is restored, the emergency system returns to the normal mode. Ambient temperature -20°C to + 55°C with optional ICE technology. See www.hydrel.com for EO/AC options.





www.hydrel.com

Performance Floodlight

8200

Intended Use

The 8200 Series is a high-performance precision lighting system that provides consistent styling with a variety of light distributions. Multiple optical systems provide a wide range of precise light control. For use in façade, area and pathway lighting.

Material
Die-cast, copper-free aluminum (A360) housing and doors.

Lamp
ED18, ED28 or T15 HID to 400-watt maximum. Mogul or E40 sockets.

Reflector
High purity anodized specular, semi-specular or patterned lighting sheet in various configurations to provide optimum optical performance and uniformity.

Lens
Flat tempered glass for maximum resistance to impact and thermal shock.

Mounting
AWM: Cast aluminum wall mount plate for mounting over 4-0/4-S recessed J-Box. 15° up/down adjustment. AWMDE: Surface conduit direct entry available for through-branch wiring, 3/4" NPT drilling standard. PM: Steel mounting plates for attachment to pole using a unique block/receiver assembly. The block bolts to a pole and engages the receiver within the 8200 integral arm. A single threaded locking fastener secures the fixture to the pole. YM: 1-1/2" wide aluminum yoke and stainless steel locking hardware allows fixture head to be easily aimed and fixed in place. Fixtures are provided with a minimum of 10 ft of 18/3 ST-W cord for power supply.

Ballast
High power factor magnetic core and coil standard. Electronic ballast optional.

Finish
Textured TGIC powder coat polyester finish (see ordering guide for available colors).

EPA
1.45

Weight
29.5 max.

Listings
U.L., C.U.L., IP67.

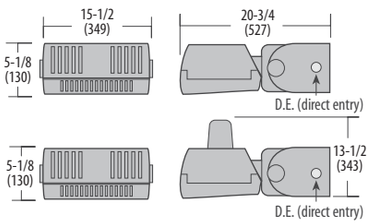
Ordering Information

Example: **8200 250M 120 SR2 AWM HS LPI SND**

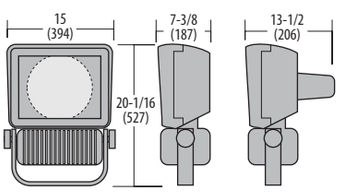
Product	Lamp type	Voltage	Distribution	Mounting	Mounting accessories	Accessories	Options	Lamp	Finish
8200	Metal halide **200M**[1] **250M** **250MT**[1,2] **320M**[1] **320MT**[1,2] **350M**[1] **350MT**[1,2] **400ME** **400MT**[1,2] High pressure sodium **250S** **400S**	**120** **208** **240** **277** **347** **120/277** **TB** **MVOLT**[3]	Floodlights[4] **SP** Spot **NFL** Narrow flood **MFL** Medium flood **FL** Flood **WFL** Wide flood **HSP** Horizontal spot **VFL** Vertical flood **HFL** Horzontal flood Area lights **SR2** IES Type II **SR3** IES Type III **SR4SC** IES Type IV **SR5S** IES Type V	**AWM** Adj. wall mount **AWMDE** Adj. wall mount, direct entry **YM** Yoke mount **PMEF** Pole mount flat, square pole **PME3** Pole mount 3" diameter, round pole **PME4** Pole mount 4" diameter, round pole	See page 610.	Internal **ISS** Internal source shield[5] **CFAMB** Color filter amber **CFRED** Color filter red **CFBLU** Color filter blue **CFGRN** Color filter green External[6] **BD** Barn doors **FGS** Full glare shield **HGS** Half glare shield **HS** House side shield[7] **WRG** Wire rock guard	Photo control **PE** Photo cell Fusing **SF** Single fuse[8] **DF** Double fuse[9] Ballast **GEB** Generic electronic ballast[10] **SCWA** Super CWA pulse start[11]	**LPI** Lamp included	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom



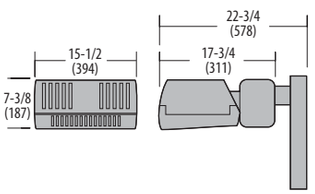
AWM



YM



PM



NOTES:
1. SCWA required with 200M, 320M, 350M, 250MT, 320MT, 350MT and 400MT lamps.
2. T15 lamps not available with HSP, HFL, and VFL.
3. MVOLT for 250M-400M is 208-277V only.
4. Flood distributions not available with PMEF, PME3 and PME4 mountings.
5. ISS comes standard on the VFL and SR4SC distributions. ISS is not available with FL, HFL, WFL, SR2, SR3 and SR5S distributions.
6. Accessories are mutually exclusive. Choose one.
7. HS available with SR2 and SR3 distributions only.
8. SF is available with 120V, 277V or 347V on HID only.
9. DF is available with 208V, 220V or 240V on HID only.
10. Electronic ballasts are only available with metal halide lamps 250 – 400W, 208-277V only.
11. SCWA ballasts are only available with metal halide lamps.

All Hydrel accessories are manufactured using the highest quality materials.

Accessories

BD Barn doors
Four door set, each door mounts independently.



FGS Full glare shield
360° full cutoff.



HGS Half glare shield
Cuts upward glare.



HS House side shield
Cuts nuisance glare.



ISS Internal source shield
Eliminates lamp source glare.



WRG Wire guard
Additional safety protection.



Architectural & Performance Flood Mounting

Flood Mounting Options		No mounting accessories available	**ARJB** Architectural junction box	**FJB** Flush mount junction box	**PMSA** Pole mount	**PMT** Pole mount tee	**SMSA** Stanchion mount[2]	**HYDSMDB** Stanchion mount direct burial	**TRJB** Tree mount junction box	**EWM** Extended wall mount[2]	**TNM** Tenon mount	**PAR** Pole arm round[2]	**PAS** Pole arm square[2]	**PATR** Pole arm twin round[2]	**PATS** Pole arm twin square[1,2]	**SMB** SMB ballast[1]	**SMBEWM** SMB extended wall mount	**SMBSMSA** SMB stanchion mount	**SMBSMT** SMB stanchion tee mount	**SMBPMT** SMB pole mount tee	**SMBTNM** SMB tenon mount	**SMBR** SMB remote mount
7000 Series *Adjustable*																						
Knuckle Mount	**KM**		■	■	■	■[1]	■		■	■		■	■	■[1]	■[1]							
Yoke Mount	**YM**		■	■	■	■[1]	■		■	■		■	■	■[1]	■[1]							
7100 Series																						
Adjustable																						
Knuckle Mount	**KM**		■	■	■	■[1]	■		■	■		■	■	■[1]	■[1]							
Yoke Mount	**YM**		■	■	■	■[1]	■	■	■	■		■	■	■[1]	■[1]							
Fixed																						
Wall Mount Side Down/Up	**WMS/WUS**	■																				
Ceiling Mount	**CM**	■																				
7200 Series *Adjustable*	400-watt																					
Knuckle Mount	**KM**		■		■	■[1]	■	■		■	■	■	■	■[1]	■[1]							
Yoke Mount	**YM**		■		■	■[1]	■	■		■		■	■	■[1]	■[1]							
7200 Series	1000-watt																					
Adjustable																						
Knuckle Mount	**KM**															■	■	■	■[1]	■[1]	■	■
Yoke Mount	**YM**															■	■	■	■[1]	■[1]	■	■
8100 Series																						
Adjustable																						
Yoke Mount	**YM**		■	■	■	■[1]		■	■	■		■	■	■[1]	■[1]							
Adjustable Wall Mount	**AWM/AWMDE**	■																				
Fixed																						
Pole Mount	**PMEF, PME3, PME4**	■																				
8200 Series																						
Adjustable																						
Yoke Mount	**YM**		■		■	■[1]		■		■		■	■	■[1]	■[1]							
Adjustable Wall Mount	**AWM/AWMDE**	■																				
Fixed																						
Pole Mount	**PMEF, PME3, PME4**	■																				

NOTES:

1 Two fixtures per mounting.

2 Multiple lengths available, consult specification sheets.

HP3

Intended Use

Ideal for schools, parking garages, walkways, airports and stadiums.

Housing

One-piece aluminum die-casting having knockouts for 4-0 box entry or independent surface mounting integrated. Accessories include a cast aluminum splice box for direct conduit entry. This unit also is suitable for pole-, pendant- or base-mounted applications.

Lens, Door

Molded from clear, UV stabilized polycarbonate for maximum impact resistance. The lens door seals with silicone gaskets providing bug and water tightness. The door is affixed to the housing with four stainless steel tamper-proof fasteners.

Lamp

Metal halide or high pressure sodium to 150W max.

Socket

Medium screw base.

Ballast

Magnetic, high power factor minimum starting temperature is -20°F (-29°C).

Mounting

To surface mount over recessed 4-0 box, or with recessed post, base or direct conduit. Also available as pendant mounted.

Listings

U.L., CSA, suitable for wet locations.

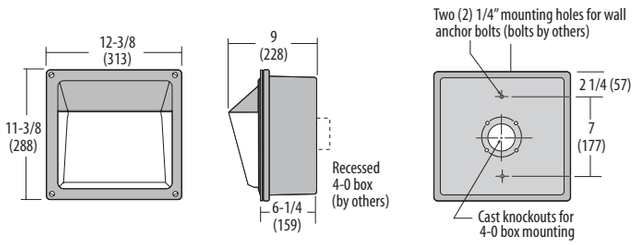
Ordering Information

Example: **HP3 150M 120 HFW SDE SF LPI BL**

Product	Lamp type	Voltage	Distribution	Mounting	Options	Lamp	Finish
HP3	Metal halide	**120**	**HFW** High forward wall	**BMS** Base mount, single	**SF** Single fuse[2]	**LPI** Lamp included	**BL** Black
	50M	**208**	**LHW** Low horizontal wall	**PFD** Plaster frame, direct entry	**DF** Double fuse[3]		**BZ** Bronze
	70M	**240**	**LFW** Low forward wall	**PFS** Plaster frame, splice box	**PER** Photo control receptacle[1,4]		**DDB** Dark bronze
	100M	**277**	**LLW** Low left wall	**PMS** Pole, single	**QRS** Quartz emergency restrike		**DNA** Natural aluminum
	150M[1]	**347**	**LRW** Low right wall	**RDE** Recessed, direct entry			**GN** Green
	High pressure sodium	**120/277**	**HSC** High symmetrical ceiling	**RSB** Recessed, splice box			**GR** Gray
	50S	**TB**	**HNC** High narrow ceiling	**SDE** Surface, direct entry			**SND** Sand
	70S	**TBV**	**HAC** High asymmetrical ceiling	**SNB** Surface, no box			**STG** Steel gray
	100S			**SPM** Pendant, single			**TVG** Terra verde green
	150S[1]			**SSB** Surface, splice box			**WH** White
							CF Custom

NOTES:

1 Not available with RSB and RDE mounting.
2 SF only available with 120V, 277V or 347V, HID only.
3 DF is available with 208V or 240V, HID only.
4 NEMA twist-lock receptacle only. Photo control by others.



For dimensions on other mounting options, see www.hydrel.com



Building Mounted

HP4

Intended Use

Ideal for schools, parking garages, walkways, airports and stadiums.

Housing
One piece, aluminum die-cast housing with integral knockouts for 4-0 box entry or independent surface mounting. Accessories include cast aluminum splice box for direct conduit entry. This unit also is suitable for pole-, post-, pendant- or base-mounted applications.

Lamp
Metal halide or high pressure sodium to 250W max.

Socket
Mogul screw base.

Ballast
Magnetic high power factor. Starting temperature is -20°F (-29°C).

Lens
Unit is provided with a vandal-resistant prismatic lens door. This clear polycarbonate lens creates a 180° lateral spread. Flat polycarbonate or tempered glass lens also available. The door seals with silicone gaskets preventing water or bug entry. Two tamper-proof fasteners hinge on stainless steel hardware. The door is easily removed for easy installation, maintenance and relamping.

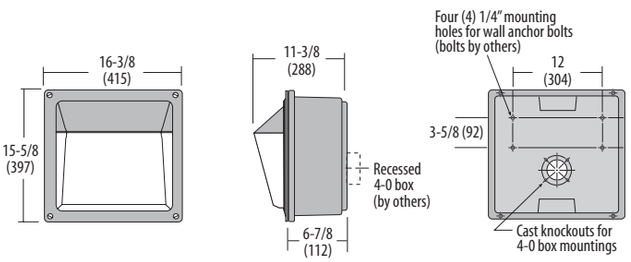
Listings
U.L., CSA, suitable for wet locations.

Ordering Information

Example: **HP4 250M 120 SNB SF LPI BL**

Product	Lamp type	Voltage	Optional lenses[3]	Mounting	Options	Lamp	Finish
HP4	Metal halide **175M** **200M**[1,2] **250M**[1] High pressure sodium **100S** **150S** **250S**[1]	**120** **208** **240** **277** **347** **120/277** **TB** **TBV**	**FLG** Flat lens tempered glass[4] **FLP** Flat lens polycarbonate[5]	**BMS** Base mount, single **PMS** Pole mount, single **RSB** Recessed, splice box **SNB** Surface, no box **SPM** Pendant, single **SSB** Surface, splice box	**SF** Single fuse[6] **DF** Double fuse[7] **PER** Photo cell receptacle[1,8] **QRS** Quartz re-strike **SCWA** Super constant wattage ballast[9]	**LPI** Lamp included	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom





For dimensions on other mounting options, see www.hydrel.com

NOTES:
1. Not available with RSB mounting.
2. Requires SCWA ballast.
3. Will be used in place of standard lens.
4. 175W maximum, reflector is not adjustable with this lens.
5. 150W maximum, reflector is not adjustable with this lens.
6. SF only is available with 120V, 277V or 347V on HID only.
7. DF only is available with 208V or 240V on HID only.
8. NEMA twist-lock receptacle only. Photo control by others.
9. Only available on metal halide lamps.

3110
3120
3130
3140

Intended Use

The 3100 Series bollard is a low-level area lighting luminaire, for use in walkways, plazas or pedestrian areas.

Material
Copper-free aluminum A360.

Lamp
Fluorescent: 42W max. Triple tube.
HID: 70W max. G12, 100W max.

E17/elliptical
Low pressure sodium: T16, BY22d base.

Voltage
See ordering guide.

Ballast
Integrally mounted core and coil electronic ballast with low starting temperature.

Fasteners
Stainless steel.

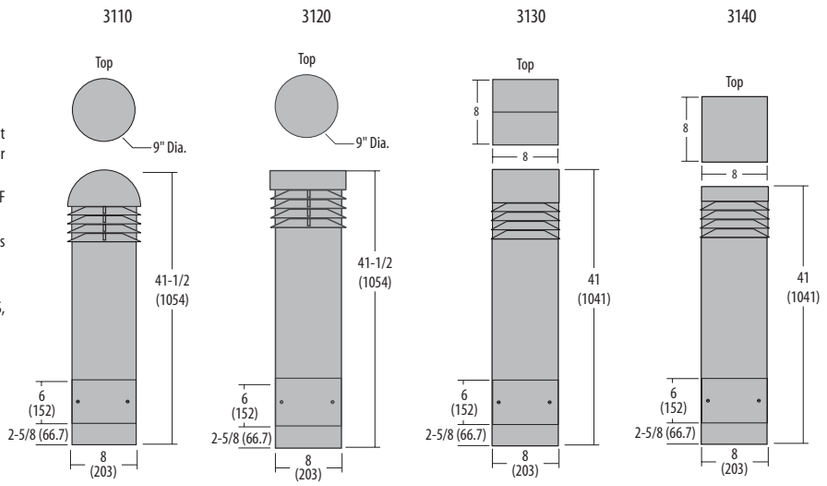
Listings
U.L., C.U.L., IP65, suitable for wet locations.

Ordering Information

Example: **3130 36 100M MVOLT SYM GEB LPIC DNA**

Product	Overall height	Lamp type	Voltage	Distribution	Options	Lamp	Finish
3110	**36**	Incandescent	**120**	**SYM** Symmetric	Fusing	**LPI** Lamp included	**BL** Black
3120	**42**	**100I**	**208**	**FT** Forward throw	**SF** Single fuse[2]	**LPIC** Lamp included (coated)[5]	**BZ** Bronze
3130		Fluorescent	**240**		**DF** Double fuse[2]		**DDB** Dark bronze
3140		**26DTT**	**277**		Ballast		**DNA** Natural aluminum
		32TRT	**347**		**GEB** Generic electronic ballast[3]		**GN** Green
		42TRT	**120/277**		**MLEBAD** Electronic dimming ballast[4]		**GR** Gray
		Metal halide	**MVOLT**[1]		**GFCI** Receptacle		**SND** Sand
		50M	**TB**		**EL N** Emergency battery backup (fluorescent lamp only), half output		**STG** Steel gray
		70M			**EL H** Emergency battery backup (fluorescent lamp only), full output		**TVG** Terra verde green
		100M					**WH** White
		Ceramic metal halide					**CF** Custom
		35CMT4					
		70CMT4					
		35CMT6					
		70CMT6					
		High pressure sodium					
		50S					
		70S					
		100S					
		Low pressure sodium					
		18L					
		35L					

NOTES:
1 MVOLT is standard on all fluorescent lamps or metal halide lamps with GEB or electronic ballasts.
2 SF only valid with 120V, 277V or 347V. DF only valid with 208V or 240V.
3 Only available with metal halide lamps and MVOLT voltage.
4 0-10V dimmer not included by others.
5 LPIC only valid with 50M, 70M, 100M, 50S, 70S, 100S, 100I.





Performance In-grade

9000

Intended Use

The 9000 Series fixtures represent the state-of-the-art in flush uplight construction. These multi-purpose modular units are designed for flush mounting in planting areas or in concrete, and are used for illuminating building façades, walls, trees and similar applications.

Door Material
Cast aluminum or cast bronze that locks the lamp housing into the rough-in section with two tamper-proof fasteners.

Rough-In Section
Injection molded ABS, U.V. stabilized, impact and corrosion resistant for use in all types of environments.

Lamp Module Housing
Stainless steel, sealed and purged of all moisture to 100°F (38°C). Electrical access to lamp module is done through submersible rated connector. Thermally protected.

Power Module
Sealed unit encapsulated in an engineered composite resin to eliminate all water entry.

Lamp Types
MR-16, PAR and R lamps with medium bases to 75W max. Lamp included.

Conduit Entries
1/2" NPT openings are available in the cast aluminum integral junction box. Suitable for through-branch wiring. This box has 17in^3 of volume.

Listings
U.L., CSA., IP67.

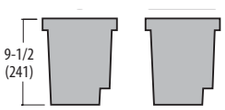
Ordering Information

Example: **9000 B M50 120 FL FLC 12B RG**

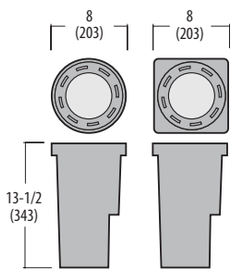
Product	Material	Lamp type	Voltage	Distribution[3]	Lens	Conduit entry	Accessories	Lamp	Finish
9000	**A** Aluminum	Low voltage[1]	**12**	**VNSP** Very narrow spot	**CLC** Convex lens clear	**12B** 1/2" NPT bottom	Internal	**LP** Lamp installed	**BL** Black
9050	**B** Bronze	**M20**	**120**	**NSP** Narrow spot	**CLF** Convex lens frosted	**34B** 3/4" NPT bottom	**IHL** Internal honeycomb louver		**BZ** Bronze
		M35		**SP** Spot	**FLC** Flat lens clear		**MSR** Modular support ring		**DDB** Dark bronze
		M50		**NFL** Narrow flood	**FLC5** Flat lens clear, 5° axial spread		External[4]		**DNA** Natural aluminum
		M75		**FL** Flood	**FLC10** Flat lens clear, 10° tilt		**GS** Glare shield		**GN** Green
		P3636ILV		**WFL** Wide flood	**FLF** Flat lens frosted		**RG** Rock guard[5]		**GR** Gray
		P3650ILV		**VWFL** Very wide flood			Trims and rings[4]		**SND** Sand
		P3675ILV					**BTR** Bronze trim round[6]		**STG** Steel gray
		Incandescent[2]					**BTS** Bronze trim square[7]		**TVG** Terra verde green
		P1660I					**STR** Stainless trim round[6]		**WH** White
		P1675I					**PRR** Protective ring round[6]		**CF** Custom
		P2050I					**PRS** Protective ring square[7]		
		P3075I							



9000
Incandescent low voltage (no transformer)



9050
Low voltage (with transformer)



NOTES:
1. If 12V is selected, transformer will not be provided.
2. Only available in 120V.
3. All distributions are not available with all lamp types.
4. Accessories are mutually exclusive. Choose one.
5. RG not valid with CLC or CLF lens.
6. Only available with 9000.
7. Only available with 9050.

M9400

Intended Use

The M9400 Series modular in-grade lights are multi-purpose units designed for flush mounting in a variety of substrates or materials. The M9400 fixtures are used to uplight architectural and landscape features.

Door Finish
Cast aluminum, cast bronze, cast bronze with stainless perforated trim insert or stainless steel. Round or square with two stainless steel captive fasteners that lock the lamp module into the rough-in section.

Rough-In Section
Injection molded polymer with integral junction box for branch wiring (410 ccm - 25 in^3), U.V. stabilized, impact and corrosion resistant for use in all types of environments. Houses power module, lamp modules and finishing components. Adjustment ring provides 360° aim rotation with keyed section to receive lamp module. Ring locks into position with stainless steel fasteners. RIS has a cylinder/vault configuration.

Lamp Module
Stainless steel, sealed and purged of all moisture with silicone gaskets, stainless steel clamp band and single fastener. Electrical connection to lamp module is done through submersible connector with gold-plated contacts. Lamp included.

Double Lens
Includes 360° Aim-Lock™ module support ring, door assembly, tilt ring, and module indexing segment providing maintenance and relamping without re-aiming. The lamp module is suspended below the door lens in a surface adjustable, 15° tilt mechanism. The insulating air layer reduces surface temperatures. The lenses are clear tempered flat glass.

Power Module
Ballast is encapsulated in a custom-heat dissipating epoxy resin to eliminate all moisture intrusion to the ballast. Provided with submersible rated cord/connector for connection to integral junction box and lamp module. HID ballasts are magnetic.

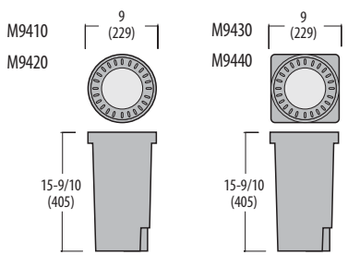
Electrical Entries/Junction Box
Two 1/2", 3/4", 1" NPT bottom openings. Box suitable for through-branch wiring. Splicing volume is 25 in^3 (410 ccm).

Listings
U.L., C.U.L., IP68.

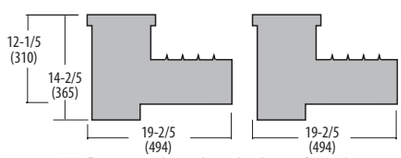
Ordering Information

Example: **M9420 BSP 70CMT6 MVOLT SP FLC 34B ISS RG GEB LP**

Product	Material	Lamp type	Voltage	Distribution[5]	Lens	Conduit entry	Accessories	Lamp	Finish[18]	Options
M9410 Round single lens	**A** Aluminum	Low voltage[2]	**12**	**VNSP** Very narrow spot	**CLC** Convex lens clear	**12B** 1/2" NPT bottom	Internal	**LP** Lamp installed	**BL** Black	Fusing
M9420 Round double lens	**B** Bronze	**M35**	**120**	**NSP** Narrow spot[6]	**CLF** Convex lens frosted	**12S** 1/2" NPT side	**IHL** Internal honeycomb louver		**BZ** Bronze	**SF** Single fuse[13]
M9430 Square single lens	**ASP** Aluminum with stainless perforation[1]	**M50**	**208**	**SP** Spot	**FLC** Flat lens clear	**34B** 3/4" NPT bottom	**ISS** Internal source shield[9]		**DDB** Dark bronze	**DF** Double fuse[14]
M9440 Square double lens	**BSP** Bronze with stainless perforation[1]	**M75**	**240**	**MFL** Medium flood[6]	**FLCS** Flat lens clear, 5° axial spread	**34S** 3/4" NPT side	**LSF** Linear spread filter		**DNA** Natural aluminum	Ballast[15]
	BBP Bronze with brass perforation[1]	**P3650ILV**	**277**	**NFL** Narrow flood	**FLC10** Flat lens clear, 10° tilt	**1B** 1" NPT bottom	**CFAMB** Color filter amber		**GN** Green	**GEB** Electronic ballast[16]
	SS Stainless steel	**P3675ILV**	**347**	**FL** Flood	**FLC20** Flat lens clear, 20° tilt		**CFBLU** Color filter blue		**GR** Gray	**MLEBAD** Electronic dimming ballast[17]
		Incandescent[3]	**MVOLT**[4]	**WFL** Wide flood	**FLCAS** Flat lens clear, anti-slip		**CFGRN** Color filter green		**SND** Sand	
		P1675I		**VWFL** Very wide flood	**FLF** Flat lens frosted		**CFRED** Color filter red		**STG** Steel gray	
		P2050I		**WWD** Wall wash distribution[7]			**WWL** Wall wash louver[10]		**TVG** Terra verde green	
		P3075I		**ASY** Asymmetrical[8]			External[11]		**WH** White	
		75Q					**GS** Glare shield		**CF** Custom	
		100Q					**LC** Polycarbonate protective cover			
		Fluorescent					**LS** Light shield			
		18TRT					**RG** Rock guard[12]			
		26TRT					Trims[11]			
		32TRT					**BTR** Bronze trim round			
		Ceramic metal halide					**BTS** Bronze trim square			
		35CMT4					**STR** Stainless trim round			
		35CMT6					**STS** Stainless trim square			
		70CMT4								
		70CMT6								
		P2035CM								
		P3035CM								
		P3070CM								



Incandescent, low voltage (no transformer)



HID, fluorescent, low voltage (with transformer)



NOTES:
1 Not available with M9430 and M9440.
2 If 12V is selected, transformer will not be provided.
3 Only available in 120V.
4 MVOLT is only available with fluorescent and metal halide lamps with electronic ballasts.
5 All distribution not available with all lamp types.
6 Only available with T4, T6 and fluorescent lamps.
7 Only available with T4 and fluorescent lamps.
8 Only available with fluorescent lamps.
9 Not available with PAR, MR or fluorescent lamps.
10 Only valid with WWD distribution.
11 Accessories are mutually exclusive, not available with SS door. Only RG and GS can be ordered together.
12 RG is not valid with CLC or CLF lenses.
13 SF available with 120V, 277V or 347V and HID only.
14 DF available with 208V, 220V or 240V and HID only.
15 Only available with HID lamps and MVOLT voltage.
16 Standard on CMT4 lamps.
17 For use with 0-10V analog dimmer (by others). Additional electrical conductors are required. Consult Hydrel for details.
18 Standard finish is unpainted unless specified; only available on aluminum doors.

Performance In-grade

M9700

Intended Use

Hydrel's M9700 Series modular in-grade lights are multi-purpose units designed for uplighting of architectural and landscape features. These units can be flush mounted into a variety of substrates or landscape materials.

Door Material
Cast aluminum, cast bronze, cast aluminum or bronze with stainless perforated trim insert or stainless steel. Available in round or square door trim.

Rough-In Section
Injection molded polymer with integral junction box for through-branch wiring. The housing is U.V. stabilized, impact and corrosion resistant for use in all types of environments. The rough-in section has a cylinder/vault configuration and houses the lamp and power module components and top door finishing section.

Lamp Module
Stainless steel housing, factory-sealed and purged of all moisture for longer component life. Lens is sealed with silicone gasket and stainless steel clamp band assembly with single fastener. Electrical connection to lamp module is done through a submersible quick-pull plug connector with gold-plated contacts. Standard unit is thermally protected. Lamp included.

Finishing Section
Single lens design includes door assembly with 360° Aim-Lock™ lamp module support ring. Module indexing provides easy maintenance and relamping without re-aiming. Active optical lenses are also available. Door trim locks into position with two stainless steel captive, tamper-resistant fasteners.

Power Module
Ballast is encapsulated in a custom designed heat-dissipating epoxy resin that also eliminates all moisture intrusion to the ballast. Module is provided with submersible rated cord leads for connection to integral junction box and lamp module.

Standard ballast is high power factor; fluorescent electronic or HID magnetic.

Conduit Entries
Two (2) bottom or side entries available. Box suitable for through-branch wiring. Splicing volume is 25 in³ (410 ccm).

Finish
Finish is natural aluminum or bronze. Stainless steel door is brushed finish. Aluminum doors may be painted. See ordering guide.

Listings
U.L., C.U.L., IP68.

Ordering Information

Example: **M9710 B 150CMT6 120 NSP FLC 34B ISS GS LP**

Product
- **M9710** Round single lens
- **M9720** Round double lens
- **M9730** Square single lens
- **M9740** Square double lens

Material
- **A** Aluminum
- **B** Bronze
- **SS** Stainless steel
- **ASP** Aluminum w/ stainless perforation[1]
- **BBP** Bronze w/brass perforation[1]
- **BSP** Bronze w/ stainless[1] perforation
- **AAS** Aluminum door w/aluminum trim, solid[1,2]
- **ASS** Aluminum door w/stainless steel trim, solid[1,2]
- **BBS** Bronze door w/ bronze trim, solid[1,2]
- **BSS** Bronze door w/ stainless steel trim, solid[1,2]

Lamp type

Incandescent
- **P38100I**
- **P38150I**
- **P38250I**
- **100Q**
- **150Q**
- **250Q**

Fluorescent
- **18TRT**
- **26TRT**
- **32TRT**
- **42TRT**

Metal halide
- **100M**
- **150M**
- **175M**
- **P3870M**
- **P38100M**
- **P38150M**

Ceramic metal halide
- **70CMT6**
- **150CMT6**
- **70CM**
- **100CM**
- **150CM**
- **P3870CM**
- **P38100CM**

High pressure sodium
- **70S**
- **70S**
- **100S**
- **150S**

Voltage
- **120**
- **208**
- **240**
- **277**
- **347**
- **MVOLT**[3]

Distribution
- **NSP** Narrow spot
- **SP** Spot
- **NFL** Narrow flood
- **MFL** Medium flood
- **FL** Flood
- **WFL** Wide flood
- **WWD** Wall wash distribution[4]

Conduit entry
- **12B** 1/2" NPT bottom
- **12S** 1/2" NPT side
- **34B** 3/4" NPT bottom
- **34S** 3/4" NPT side

Lens
- **CLC** Convex lens clear
- **CLF** Convex lens frosted
- **FLC** Flat lens clear
- **FLC5** Flat lens clear, 5° axial spread[5]
- **FLC10** Flat lens clear, 10° tilt
- **FLC20** Flat lens clear, 20° tilt
- **FLCAS** Flat lens clear, anti-slip
- **FLF** Flat lens frosted
- **FLF5** Flat lens frosted, 5° axial spread[4]

Accessories

Internal
- **IHL** Internal honeycomb louver
- **ISS** Internal source shield[6]
- **LSF** Linear spread
- **CFAMB** Color filter amber
- **CFBLU** Color filter blue
- **CFGRN** Color filter green
- **CFRED** Color filter red
- **WWL** Wall wash louver[7]

External[8]
- **GS** Glare shield
- **LC** Polycarbonate protective cover[9]
- **LS** Light shield
- **RG** Rock guard[10]

Trims[8]
- **BTR** Bronze trim round[11]
- **BTS** Bronze trim square[12]
- **STR** Stainless trim round[11]
- **STS** Stainless trim square[12]

Rings and masks
- **PRR** Protective ring round[11]
- **PRS** Protective ring square[12]
- **GM** Grout mask

Options

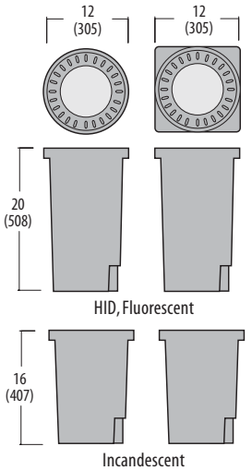
Fusing
- **SF** Single fuse[13]
- **DF** Double fuse[14]

Ballast[15]
- **GEB** Electronic ballast
- **MLEBAD** Electronic dimming ballast[16]

Lamp
- **LP** Lamp installed

Finish[17]
- **BL** Black
- **BZ** Bronze
- **DDB** Dark bronze
- **DNA** Natural aluminum
- **GN** Green
- **GR** Gray
- **SND** Sand
- **STG** Steel gray
- **TVG** Terra verde green
- **WH** White
- **CF** Custom





NOTES:
1. Not available with M9730, M9740 models. Available with unpainted finish only.
2. Available to 100W max only.
3. Standard on fluorescent and metal halide lamps with electronic ballast option.
4. FLF5 lens recommended for 70W HID and lower. FLC5 lens recommended for 100W HID and higher.
5. Default lens for WWD distribution quartz, fluorescent, and 100W HID and higher.
6. ISS not available with PAR or fluorescent lamps, or WWD distribution.
7. Not available with PAR lamps.
8. Not available with SS material. Accessories are mutally exclusive. Choose one.
9. LC not available for M9710, M9730.
10. RG not available with CLC or CLF convex lens.
11. Available with M9710, M9720 only.
12. Available with M9730, M9740 only.
13. SF available with 120V, 277V or 347V HID only.
14. DF available with 208V, 220V or 240V HID only.
15. Available with MVOLT (120V-277V) voltage only for metal halide lamps to 150W maximum.
16. For use with 0-10V analog dimmer (by others). Additional electrical conductors are required. Consult Hydrel for details.
17. Standard finish is unpainted unless specified, only available on aluminum doors.

Installation Accessories

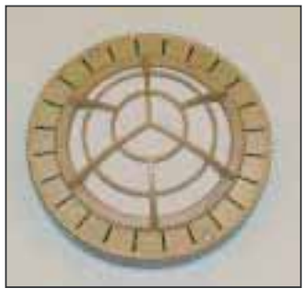


BTR Bronze trim ring



STR Stainless trim ring

Safety Accessories



RG Rock guard, bronze or aluminum



LC Polycarbonate protective cover

Light Control Accessories



GS Glare shield, bronze or aluminum



IHL Internal honycomb louver



WWL Wall wash louver



ISS Internal source shield



FLC5 5° Axial spread lens



FLC10 10° tilt lens



FLC20 20° tilt lens

Door Material Options



BBP Perforated door – brass perforations on bronze



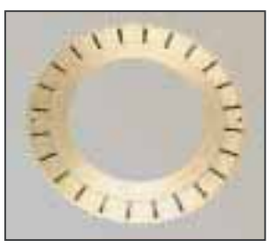
BSP Perforated door – stainless perforations on bronze



ASP Perforated door –stainless perforations on aluminum



A Aluminum door



B Bronze door



SS Stainless steel door

Performance In-grade

6410

Intended Use

This multi-purpose fixture is designed for surface or flush mounting in planting areas and is ideal for lighting walls, building façades, trees and similar applications where a controlled light source is desirable.

Fixture
Cast aluminum or cast bronze.

Lamp
MR-16 with bi-pin socket, 50W max.

Voltage
12V standard.

Electrical
Supplied with a minimum of 10 ft of #14-2 cable. Side entry. Cord length must be specified.

Lens
Flat, clear tempered glass.

Listings
U.L., CSA, suitable for wet locations.

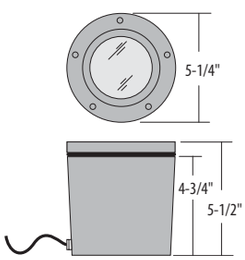
Ordering Information

Example: **6410 B M50 12 VNSP FLC CSL50 IHL LPI**

Product	Material	Lamp type	Voltage	Distribution[2]	Lens	Cord set length	Accessories	Lamp	Finish
6410	**A** Aluminum **B** Bronze	**M20** **M35** **M50**	**12**[1]	**VNSP** Very narrow spot **NSP** Narrow spot **SP** Spot **NFL** Narrow flood **FL** Flood **WFL** Wide flood	**FLC** Flat lens clear **FLCS** Flat lens clear, 5° axial spread	**CSL__** 10'-50' in 5' increments	Internal **IHL** Internal honeycomb louver External **BTR** Bronze trim ring **ATR** Aluminum trim ring	**LPI** Lamp included	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom

NEW





NOTES:
1 Transformer sold separately.
2 Only valid if LPI is chosen. Not all distributions available with all lamp types.

6700

Intended Use

The 6700 Series sealed outdoor lighting fixture offers high performance and durability in an in-grade fixture. Many lamping options and distributions are available including HID lamps to 175W. Integral ballast and junction box add further to the Series' reliability.

Material
Heavy wall cast bronze body and door.

Reflector
(Non-reflectorized lamps): High purity anodized specular or semi-specular materials in various distributions provide maximum performance and uniformity. Lamps or reflectors are adjustable.

Lens
Tempered clear flat borosilicate glass.

Conduit Entries
Two 1/2" or 3/4" NPT entries available bottom or side.

Ballast
Integrally mounted ballast, rated for low starting temperatures.

Finish
Raw bronze.

Listings
U.L., C.U.L., IP67.

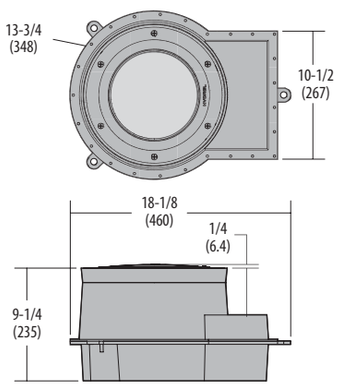
Ordering Information

Example: **6700 B 70CMT6 MVOLT NSP FLC 34B IHL GEB LP**

Product	Material	Lamp type	Voltage	Distribution
6700	**B** Bronze	Incandescent[1] **P38100I** **P38150I** **100Q** **250Q** Fluorescent[2] **18TRT** **26TRT** **32TRT** **42TRT** Metal halide **100M** **150M** **175M** **P3870M** **P38100M** Ceramic metal halide **70CMT6** **150CMT6** **70CM** **100CM** **150CM** **P3870CM** **P38100CM** High pressure sodium **70S** **70S** **100S** **150S**	**12** **120** **208** **240** **277** **347** **MVOLT**[3]	**NSP** Narrow spot[4] **SP** Spot[5] **NFL** Narrow flood **MFL** Medium flood **FL** Flood[5] **WFL** Wide flood[5] **WWD** Wall wash distribution

Lens	Conduit entry	Accessories	Options	Lamp
CLC Convex lens clear **CLF** Convex lens frosted **FLC** Flat lens clear **FLC5** Flat lens clear, 5° axial spread **FLC10** Flat lens clear, 10° tilt **FLC20** Flat lens clear, 20° tilt **FLCAS** Flat lens clear, anti-slip **FLF** Flat lens frosted	**12B** 1/2" NPT bottom **12S** 1/2" NPT side **34B** 3/4" NPT bottom **34S** 3/4" NPT side	Internal **IHL** Internal honeycomb louver **ISS** Internal source shield[6] **LSF** Linear spread filter **CFAMB** Color filter amber **CFBLU** Color filter blue **CFGRN** Color filter green **CFRED** Color filter red **WWL** Wall wash louver[7] External[8] **GS** Glare shield **LS** Light shield **RG** Rock guard[9] Trims **BTR** Bronze trim round **STR** Stainless trim round Masks **GM** Grout mask	Fusing **SF** Single fuse[10] **DF** Double fuse[11] Ballast[12] **GEB** Electronic ballast	**LP** Lamp installed

NOTES:
1 Incandescent models available with 120V only.
2 Fluorescent models available with 347V or MVOLT (120-277V) only.
3 Standard on fluorescent lamps and metal halide lamps with GEB ballasts.
4 NSP only available with T4 or T6 lamps.
5 Not available with T6 lamps.
6 ISS not available with WWD distribution or P38 lamp type.
7 Only available with wall wash distribution (WWD).
8 Accessories are mutually exclusive. Choose one.
9 RG not available with CLC or CLF lenses.
10 SF only is available with 120V, 277V or 347V on HID only.
11 DF only is available with 208V or 240V on HID only.
12 Electronic ballasts only are available with metal halide lamps and MVOLT voltage.





Well Lighting

9310

Intended Use

The 9310 Series is designed for flush mounting in planters and open lawn areas.

Material
Grill: cast aluminum painted or cast bronze natural finish. Well: thick wall A.B.S. pipe.

Lamp Housing
Cast aluminum or bronze body with fins for heat dissipation.

Lamp Type
Incandescent: 50W max. PAR20.

Conduit Entries
Inter-connecting conduit shall be 1/2" galvanized pipe, with brass cord seal.

Listings
U.L., CSA.

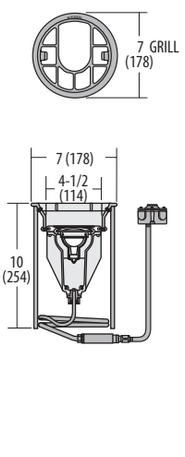
Ordering Information

Example: **9310 B M50 120 NSP 34B LC LP**

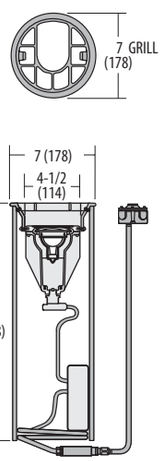
Product	Material	Lamp type	Voltage	Distribution[4]	Conduit entry	Accessories	Options	Lamp	Finish[6]
9310	**A** Aluminum **B** Bronze	Low voltage **M20** **M35** **M50** Incandescent **P2035I** **P2050I** Ceramic metal halide[1] **20CMT4** **35CMT4** **P2035CM**	**12**[2] **120** **208** **220** **240** **277** **347** **MVOLT**[3]	**NSP** Narrow spot **SP** Spot **NFL** Narrow flood **FL** Flood **MFL** Medium flood **WFL** Wide flood	**12B** 1/2" NPT bottom **34B** 3/4" NPT bottom	**LC** Lexan cover	**GEB** Electronic ballast[5]	**LP** Lamp installed	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom



9310 Incandescent, low voltage (no transformer)



9310 HID, low voltage (with transformer)



NOTES:
1. Requires GEB ballast option.
2. Transformer sold separately.
3. MVOLT is standard on all metal halide lamps.
4. Not all distributions available on all lamp types. T4 lamps only available with SP and MFL distribution.
5. Electronic ballasts are only available with metal halide lamps and MVOLT voltage.
6. Finish available on aluminum.

9330
9335

Intended Use

The 9330 Series is designed for flush mounting in planter, tree grates or open lawn areas. The 9335 Series is designed for mounting in standard Neenah tree grates.

Grill
Cast aluminum or bronze – locks to well with two set screws. Full eggcrate louver or directional eggcrate louver square grills and directional louver or clear polycarbonate cover round grills are available. Eggcrate directional louvers provide 30° cut-off.

Well
Thick wall polypropylene pipe.

Lamp Module Housing
Stainless steel, sealed and purged of all moisture to 100°F (38°C) and mounted integral with grill. Angular adjustment up to 15°. Electrical access to lamp module is done through submersible rated connector. Thermally protected. Lamp included.

Lens
Tempered glass lens. Convex lens clear (CLC) is standard. Convex lens frosted (CLF) also available.

Power Module
Sealed unit encapsulated in an engineered composite resin to eliminate all water entry.

Conduit Entries/J-Box
Two 3/4" NPT openings in the bottom of the J - box. 25 in^3 of volume suitable for through-branch wiring. Fixture/J-box connecting conduit is 1/2" galvanized pipe with brass cord seal.

Listings
U.L., CSA, IP67.

Ordering Information

Example: **9330 B P3070CM MVOLT SP CLC 34B DL ASR GEB LP**

Product
- **9330**
- **9335**

Depth
- **ED**[1]

Material
- **A** Aluminum[2]
- **B** Bronze

Lamp type

Low voltage
- **M20**
- **M75**
- **P3636ILV**
- **P3650ILV**
- **AR11175ILV**

Incandescent
- **P2050I**
- **P3050I**
- **P3075I**

Ceramic metal halide
- **100CM**
- **P2035CM**
- **P3035CM**
- **P3070CM**

Metal halide
- **50M**
- **70M**
- **100M**

High pressure sodium
- **50S**
- **70S**
- **100S**

Voltage
- **12**[3]
- **120**
- **208**[4]
- **240**
- **277**
- **347**
- **MVOLT**[5]

Distribution[6]
- **FL** Flood
- **SP** Spot
- **NFL** Narrow flood
- **WFL** Wide flood
- **NSP** Narrow spot
- **VWFL** Very wide flood

Lens
- **CLC** Convex lens clear
- **CLF** Convex lens frosted

Conduit entry
- **34B** 3/4" NPT bottom

Grill
- **DEL** Directional eggcrate louver (square)[2]
- **FEL** Full eggcrate louver (square)[2]
- **DL** Directional louver (round)
- **CPC** Clear polycarbonate[2]

Accessories
- **ASR** Aim set ring[2]
- **IHL** Internal honeycomb louver

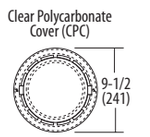
Options

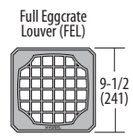
Fusing
- **SF** Single fuse[7]
- **DF** Double fuse[8]

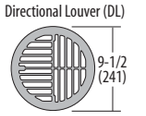
Ballast
- **GEB** Electronic ballast[9]

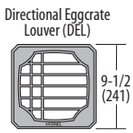
Lamp
- **LP** Lamp installed

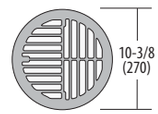
Finish[10]
- **BL** Black
- **BZ** Bronze
- **DDB** Dark bronze
- **DNA** Natural aluminum
- **GN** Green
- **GR** Gray
- **SND** Sand
- **STG** Steel gray
- **TVG** Terra verde green
- **WH** White
- **CF** Custom

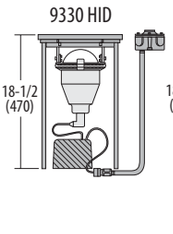


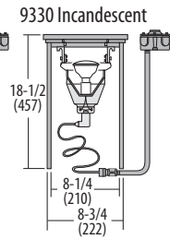


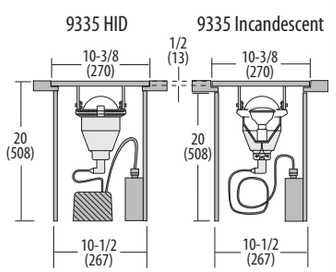














NOTES:
1. ED option add 10" to well height. Not available with 9335.
2. Not available with 9335.
3. Transformer sold separately.
4. 208V not available with low-voltage fixtures.
5. Standard on fluorescent and metal halide lamps with GEB ballast.
6. Not all distributions available with all lamp types.
7. SF available with 120V or 277V only.
8. DF available with 208V, 240V or 347V only.
9. Electronic ballasts are only available with metal halide lamps and MVOLT voltage.
10. Finish available on aluminum fixtures only.

Well Lighting

9350

Intended Use

Uplighting of trees, shrubs, terraces or walls from a flat lawn area. The units are completely weatherproof, designed for installation in damp areas.

Grill
Cast aluminum or bronze. Locks to well with two set screws. Full eggcrate louver or directional eggcrate louver square grills and directional louver or clear polycarbonate cover round grills are available. Eggcrate directional louvers provide 30° cut-off. Clear polycarbonate cover grill is 100W max.

Well
Thick wall polypropylene pipe for higher wattages.

Lamp Module Housing
Stainless steel, sealed and purged of all moisture to 100°F (38°C) and mounted integral with grill. Angular adjustment up to 15°. Electrical access to lamp module is done through submersible rated connector. Thermally protected. Lamp included.

Lens
Tempered glass lens. Convex lens clear (CLC) is standard. Convex lens frosted (CLF) also available.

Power Module
Sealed unit encapsulated in an engineered composite resin to eliminate all water entry. High power factor ballast.

Conduit Entries/J-Box
Two 3/4" NPT. 25 in^3 of volume suitable for through-branch wiring. Fixture/J-box connecting conduit is 1/2" galvanized pipe with brass cord seal. IJB – internal junction boxes also are available.

Listings
U.L., C.E., CSA, IP67.

Ordering Information

Example: **9350 A 100M 120 FL CLC 34B DEL ASR TVG**

Product
- **9350**

Depth
- **ED**[1]

Material
- **A** Aluminum
- **B** Bronze

Lamp type

Quartz[2]
- **100Q**
- **150Q**
- **250Q**

Incandescent[2]
- **P38100I**
- **P38150I**

Ceramic metal halide
- **70CM**
- **100CM**
- **150CM**
- **P3870CM**

Metal halide
- **70M**
- **100M**
- **P38100M**
- **150M**
- **P38150M**
- **175M**

High pressure sodium
- **70S**
- **100S**
- **150S**

Voltage
- **120**
- **208**
- **240**
- **277**
- **347**
- **MVOLT**[3]

Distribution
- **FL** Flood
- **SP** Spot

Lens
- **CLC** Convex lens clear[4]
- **CLF** Convex lens frosted

Conduit entry
- **34B** 3/4" NPT bottom

Grill
- **DEL** Directional eggcrate louver (square)
- **FEL** Full eggcrate louver (square)
- **DL** Directional louver (round)
- **CPC** Clear polycarbonate cover (round)[5]

Accessories
- **ASR** Aim set ring
- **IHL** Internal honeycomb louver

Options
- **IJB** Internal junction box[6]

Fusing
- **SF** Single fuse[7]
- **DF** Double fuse[8]

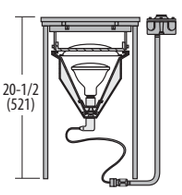
Ballast
- **GEB** Electronic ballast[3,9]

Lamp
- **LP** Lamp installed

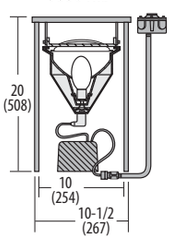
Finish[10]
- **BL** Black
- **BZ** Bronze
- **DDB** Dark bronze
- **DNA** Natural aluminum
- **GN** Green
- **GR** Gray
- **SND** Sand
- **STG** Steel gray
- **TVG** Terra verde green
- **WH** White
- **CF** Custom



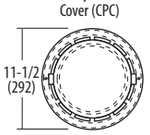
9350 Incandescent



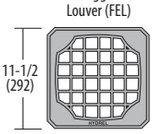
9350 HID



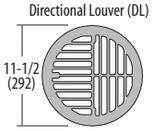
Clear Polycarbonate Cover (CPC)



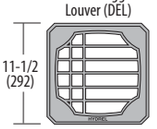
Full Eggcrate Louver (FEL)



Directional Louver (DL)



Directional Eggcrate Louver (DEL)



NOTES:
1. ED option add 10" to standard well height.
2. Only available in 120V.
3. MVOLT is standard if GEB is selected on metal halide lamps.
4. CLC default if lens option not chosen.
5. 100W max.
6. IJB is not available with ED option.
7. SF available with 120V, 277V or 347V only.
8. DF available with 208V or 240V only.
9. Electronic ballasts only are available with metal halide lamps.
10. Finish available on aluminum fixture only.

2100

Head

Intended Use

The 2100 Series is a compact, high-performance lighting fixture available with incandescent or HID lamp types. Several ideal distributions are offered for a wide variety of applications. The 2100 Series yoke-mounted unit also includes multiple mounting accessories.

Material
Rugged heavy wall cast aluminum body and hinged door. All fasteners are stainless steel.

Lamp
Incandescent: T-4 mini-can to 250W max. Metal halide: T-6, G12 to 150W max.

Socket
Mini-can, screw shell or G12 base, bi-pin.

Lens
High strength curved, tempered glass.

Mounting
Yoke mount with a minimum of 10 ft 18/3 STW cord. Cord length must be specified.

Finish
Textured TGIC powder coat polyester finish (see ordering guide for available colors.

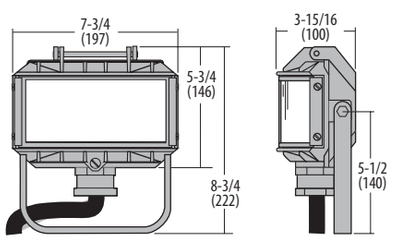
Listings
U.L., C.U.L., suitable for wet locations.

Ordering Information

Example: **2100 70CMT6 120 RN YM RACB GS SF CSL10 LPI BL**

Product	Lamp type	Voltage	Distribution	Mounting	Mounting accessories	Accessories	Options	Cord set length	Lamp	Finish
2100	Incandescent[1] **100Q** **150Q** **250Q** Ceramic metal halide[2] **35CMT6** **70CMT6** **150CMT6**	**120** **208** **240** **277** **347** **120/277** **MVOLT**[3] **TB**	**RN** Rectangular narrow **RM** Rectangular medium **RW** Rectangular wide	**YM** Yoke mount	See page 631.	External[4] **GS** Half glare shield **FGS** Full glare shield **VSR** Visor	Fusing **SF** Single fuse[5] **DF** Double fuse[6] Ballast[7] **GEB** Electronic ballast **MLEBAD** Electronic dimming ballast[8]	**CSL__** 10'-50' of cord (available in 5' increments)	**LPI** Lamp included	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom

NOTES:
1. Available in 120V only.
2. Requires HID ballast enclosure.
3. MVOLT is standard on all metal halide lamps with GEB ballast option.
4. Accessories are mutually exclusive. Choose one.
5. SF is available with 120V, 277V or 347V on HID only.
6. DF is available with 208V or 240V on HID only.
7. Only available with 35CMT6 and 70CMT6 with MVOLT voltage.
8. For use with 0-10V analog dimmer (by others). Additional electrical conductors are required.





4511

Head



Intended Use

Low-profile accent light for shrubs, planters or wall mountings.

Material
Housing is machined aluminum alloy. Knuckle is cast bronze.

Lamp
Low voltage: MR-11, 35W max.

Lens
Tempered flat glass.

Mounting
1/2" NPT adjustable knuckle.

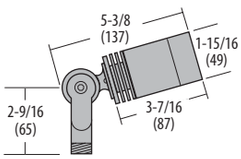
Listings
U.L., CSA, IP66, suitable for wet locations.

Requires low voltage supply.

Ordering Information

Example: **4511 M35 12 SP WMC LPI DNA**

Product	Lamp type	Voltage	Distribution[3]	Mounting accessories	Lamp	Finish
4511	Low voltage **M35**	**12**[1] **120**[2] **277**[2]	**NR** No reflector **SP** Spot **NSP** Narrow spot **FL** Flood **NFL** Narrow flood **WFL** Wide flood	See page 631.	**LPI** Lamp included	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom



NOTES:
1 Transformer sold separately.
2 Only valid when tranfomer box is ordered.
3 Distribution only required with LPI option. All others choose NR.

4516

Head



Intended Use

Low-profile accent light for shrubs, planters or wall mountings.

Material
Housing is die-cast, copper-free aluminum alloy A360. Knuckle is cast bronze.

Lamp
Low voltage: MR-16 quartz halogen, 50W max.

Lens
Tempered flat glass.

Mounting
1/2" NPT adjustable knuckle.

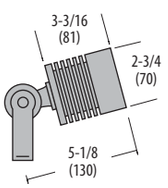
Listings
U.L., CSA, IP66, suitable for wet locations.

Requires low voltage supply.

Ordering Information

Example: **4516 M50 12 SP WMSA LPI DNA**

Product	Lamp type	Voltage	Distribution[3]	Mounting accessories	Lamp	Finish
4516	Low voltage **M50**	**12**[1] **120**[2] **277**[2]	**NR** No reflector **SP** Spot **NSP** Narrow spot **FL** Flood **NFL** Narrow flood **WFL** Wide flood	See page 631.	**LPI** Lamp included	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom



NOTES:
1 Transformer sold separately.
2 Only valid if tranfomer box is ordered.
3 Distribution only required with LPI option. All others choose NR.

4519

Head

Intended Use

Spotlights architectural or landscape features from the ground, wall mountings or trees.

Material
Cast aluminum with cast bronze knuckle.

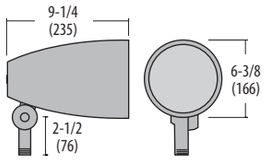
Lamp
Incandescent: PAR38 to 250W max. Metal halide: PAR 38 to 150W max.

Lens
Incandescent: No lens. Lamp face forms lens on incandescent. HID: convex, clear tempered glass. Amber, blue, green or red lenses available.

Mounting
1/2" NPT adjustable knuckle.

Fasteners
Stainless steel.

Listings
U.L., CSA, suitable for wet locations.



Ordering Information

Example: **4519 P38250I 120 SP JBA LPI DDB**

Product	Lamp type	Voltage	Distribution[4]	Lens[5]	Mounting accessories	Options	Finish
4519	Incandescent[1] **P38100I** **P38120I** **P38250I** Ceramic metal halide[2] **P2035CM** **P3870CM** **P38100CM** Metal halide[2] **P3870M** **P38100M** **P38150M**	**120** **208** **240** **277** **347** **120/277** **MVOLT**[3] **TB**	**NR** No reflector **SP** Spot **FL** Flood **WFL** Wide flood	**CLC** Convex lens clear **CLA** Convex lens amber **CLB** Convex lens blue **CLG** Convex lens green **CLR** Convex lens red	See page 631.	Fusing **SF** Single fuse[6] **DF** Double fuse[7] Ballast **GEB** Electronic ballast	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom

Accessories
GS Glare shield

Lamp
LPI Lamp included

NOTES:
1. Available with 120V only.
2. Separate ballast enclosure required for HID models.
3. MVOLT is standard on metal halide lamps with GEB ballast option.
4. Not all distrutions available with all lamp types, use NR when not using LPI option.
5. CLC will be used if no lens is chosen on HID.
6. SF is available with 120V or 277V on HID only.
7. DF is available with 208V, 220V or 240V on HID only.



4524

Head

Intended Use

Accents trees, shrubs, signs and walls from the ground, wall mountings or trees.

Material
Heavy wall cast aluminum or bronze.

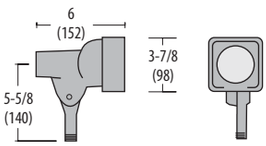
Lamp
Low voltage: MR16, 75W max.
Incandescent: PAR-16 or PAR-20, 60W max. HID: metal halide PAR-20, 35W max.

Lens
Clear convex tempered glass. Amber, blue, green and red lenses also are available.

Mounting
1/2" NPT adjustable knuckle.

Fasteners
Stainless steel.

Listings
U.L., CSA, suitable for wet locations.



Ordering Information

Example: **4524 A P2035CM 277 SP CLC SPCA LP BL**

Product	Materials	Lamp type	Voltage	Distribution[4]	Lens[5]	Mounting accessories	Options	Finish
4524	**A** Aluminum **B** Bronze	Low voltage[1] **M35** **M50** **M75** Incandescent **P1640I** **P1655I** **P1660I** **P2050I** **P2060I** Ceramic metal halide[1] **P2035CM**	**12**[2] **120** **208**[3] **240**[3] **277** **347** **120/277**[3] **MVOLT**[3] **TB**[3]	**NR** No reflector **NSP** Narrow spot **SP** Spot **NFL** Narrow flood **FL** Flood **WFL** Wide flood	**CLC** Convex lens clear **CLA** Convex lens amber **CLB** Convex lens blue **CLG** Convex lens green **CLR** Convex lens red	See page 631.	Fusing **SF** Single fuse[6] **DF** Double fuse[7] Ballast **GEB**[8] Electronic ballast	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom

Accessories
Internal
IHL Internal honeycomb louver
External
GS Glare shield

Lamp
LP Lamp installed

NOTES:
1. Separate ballast enclosure required for HID models, transformers for low voltage.
2. Transformer sold separately.
3. Only available with HID lamps.
4. Not all distributions available with all lamp types, use NR when not using LPI option.
5. CLC will be used if no lens is chosen on HID.
6. SF is available with 120V, 277V or 347V on HID only.
7. DF is available with 208V or 240V on HID only.
8. Only valid with metal halide lamps.



4529

Head



Intended Use

Uplighting of trees, signs, walls and building façades.

Material
Cast aluminum or cast bronze body and glare shield. Knuckle is cast bronze.

Lamp
Incandescent: PAR38 medium-base.

Lens
None.

Mounting
1/2" NPT adjustable knuckle.

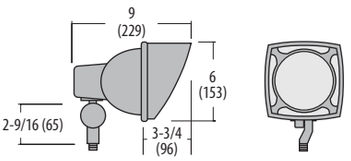
Fasteners
Stainless steel.

Listings
U.L., suitable for wet locations.

Ordering Information

Example: **4529 B P38150I 120 SP JBB LP**

Product	Material	Lamp type	Voltage	Distribution[1]	Mounting accessories	Lamp	Finish[2]
4529	**A** Aluminum **B** Bronze	Incandescent **P38100I** **P38150I**	**120**	**NR** No reflector **SP** Spot **FL** Flood **WFL** Wide flood	See page 631.	**LP** Lamp installed	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom



NOTES:
1 Not all distributions available with all lamp types, use NR when not choosing LPI option.
2 Finish required on aluminum products.

4610, 4620

Heads

NOTES:
1 Transformer, ballast sold sperately.
2 Transfomer included on 4620 unless 12V is specified.
3 Separate ballast enclosure required, available on 4620 only.
4 Requires GEB ballast.
5 Not all distributions available with all lamp types, use NR when not choosing LPI option.
6 SF is available with 120V, 277V or 347V on HID only.
7 DF is available with 208V or 240V on HID only.
8 Only available with metal halide lamps and MVOLT voltage.
9 Only valid with yoke mount.



Intended Use

Tree mounted or ground mounted uplighting, or building-mounted facade lighting.

Material
Fixture, knuckle, yoke – copper-free aluminum A360. All aluminum materials are chem filmed or anodized prior to painting.

Lamp
MR-16, 50W max.

Lens
Crowned tempered glass.

Mounting
Knuckle1/2" NPT adjustable. Yoke mount with a minimum of 10 Ft. 18/3 STW Cord. Cord length must be specified.

Fasteners
Stainless steel.

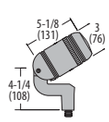
Listings
U.L., C.U.L., IP66, suitable for wet locations.

Ordering Information

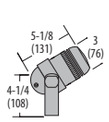
Example: **4610 M50 277 FL KM SSB IHL FGS LPI SND**

Product	Lamp type	Voltage	Distribution[5]	Mounting	Accessories	Options	Lamp	Finish
4610[1] **4620**[2]	Low voltage **M20**[2] **M35**[2] **M50**[2] **M75**[1] Ceramic metal halide[3] **35CMT4**[4] **P2035CM**	**12**[1] **120** **208** **240** **277** **347** **120/277** **MVOLT** **TB**	**NR** No reflector **NSP** Narrow spot **SP** Spot **NFL** Narrow flood **FL** Flood **WFL** Wide flood	**KM** Knuckle mount **YM** Yoke mount Mounting accessories See page 631.	Internal **IHL** Internal honeycomb louver **CFAMB** Color filter amber **CFBLU** Color filter blue **CFGRN** Color filter green **CFRED** Color filter red External **GS** Glare shield **FGS** Full glare shield	Fusing **SF** Single fuse[6] **DF** Double fuse[7] Ballast **GEB** Electronic ballast[8]	**LPI** Lamp includled Cord set length[9] **CSL__** 10'-50' in 5' increments	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom

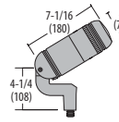
4610 KM



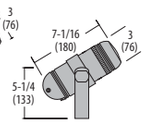
4610 YM



4620 KM



4620 YM



4630
4640

Heads

Intended Use

Landscape and architectural applications.

Material

Fixture, knuckle, yoke – die-cast, copper-free aluminum alloy A360. All materials are chem.-filmed or anodized prior to painting.

Lamp

Incandescent: 150W max. HID: metal halide 150W max.

Mounting

Knuckle: 1/2:" NPT adjustable. Yoke: minimum of 10 ft 18-3 STW cord. Cord length must be specified.

Lens

Crowned tempered glass.

Fasteners

Stainless steel.

Listings

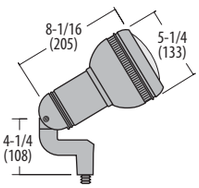
U.L., C.U.L., C.E., IP66, suitable for wet locations.

Ordering Information

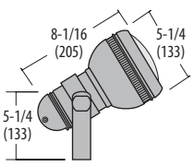
Example: **4630 P3070CM 120 SP KM SSB IHL LPI BL**

Product	Lamp type	Voltage	Distribution[4]	Mounting	Mounting accessories	Accessories	Options	Cord set length[8]	Lamp	Finish
4630	Incandescent[1] **P3075I** Ceramic metal halide[2] **P3035CM** **P3070CM** **20CMT4** **35CMT4** **70CMT4**	**120** **208** **240** **277** **347** **480** **120/277** **TB** **MVOLT**[3]	**NR** No reflector **SP** Spot **FL** Flood	**KM** Knuckle mount **YM** Yoke mount	See page 631.	Internal **IHL** Internal honeycomb louver **CFAMB** Color filter amber **CFBLU** Color filter blue **CFGRN** Color filter green **CFRED** Color filter red External **GS** Glare shield **FGS** Full glare shield	Fusing **SF** Single fuse[5] **DF** Double fuse[6] Ballast **GEB** Electronic ballast[7]	**CSL___** 10'-50" in 5' increments	**LPI** Lamp included	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom

4630 KM



4630 YM



Ordering Information

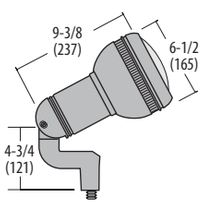
Example: **4640 P38150I 120 SP KM 4TRAS IHL GS LPI TVG**

Product	Lamp type	Voltage	Distribution[4]	Mounting	Mounting accessories	Accessories	Options	Cord set length[8]	Lamp	Finish
4640	Quartz[1] **150Q** Incandescent[1] **P38100I** **P38150I** Ceramic metal halide[2] **70CMT6** **150CMT6** Metal halide[2] **70M** **100M** **150M** **175M** **P3870M** **P38100M** **P38150M** High pressure sodium[2] **70S** **100S**	**120** **208** **240** **277** **347** **480** **120/277** **TB** **MVOLT**[3]	**NR** No reflector **SP** Spot **MFL** Medium flood **FL** Flood	**KM** Knuckle mount **YM** Yoke mount	See page 631.	Internal **IHL** Internal honeycomb louver **CFAMB** Color filter amber **CFBLU** Color filter blue **CFGRN** Color filter green **CFRED** Color filter red External **GS** Glare shield **FGS** Full glare shield	Fusing **SF** Single fuse[5] **DF** Double fuse[6] Ballast **GEB** Electronic ballast[7]	**CSL___** 10'-50" in 5' increments	**LPI** Lamp included	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom

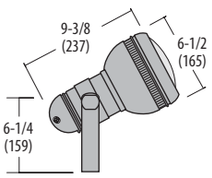
NOTES:

1 Available in 120V only.
2 Separate ballast enclosure required.
3 MVOLT is standard on all metal halide lamps with GEB ballast option.
4 Not all distribution available with all lamp types.
5 SF is available with 120V, 277V or 347V on HID only.
6 DF is available with 208V or 240V on HID only.
7 GEB default if MVOLT selected; only valid with metal halide lamps.
8 Only valid with yoke mount.

4640 KM



4640 YM





www.hydrel.com

Accent Lighting

4650

Head

Intended Use

These large, versatile accent lights provide illumination for a variety of architectural and landscape applications to sixty feet.

Material
Die-cast, copper-free aluminum alloy A360. All aluminum materials are chem-filmed or anodized prior to painting.

Lamp
Incandescent: T-4, 250W max., PAR-56, 300W max. HID: E17, T-6 or PAR-38, to 175W max.

Socket
Incandescent: mini-can (T-4) or mogul end prong (PAR 56). HID: medium-base or G12 base.

Voltage
See ordering guide.

Lens
Crowned tempered glass.

Mounting
Knuckle:1/2" NPT, Yoke: with a minimum of 10 ft 18/3STW cord. Cord length must be specified.

Finish
See ordering guide for color options.

Fasteners
Stainless steel.

Listings
U.L., C.U.L., C.E., IP66, suitable for wet locations.

Ordering Information

Example: **4650 150M TB SP KM BSB FGS IHL LP DDB**

Product
- **4650**

Lamp type
- Incandescent[1]
  - **250Q**
  - **P38100I**
  - **P56300I**
- Ceramic metal halide[2]
  - **70CMT6**
  - **150CMT6**
  - **P38100CM**
- Metal halide[2]
  - **70M**
  - **100M**
  - **150M**
  - **175M**
  - **P38100M**
  - **P38150M**

Voltage
- **120**
- **208**
- **240**
- **277**
- **347**
- **120/277**
- **TB**
- **MVOLT**[3]

Distribution[4]
- **TSP** Tight spot
- **NSP** Narrow spot
- **SP** Spot
- **NFL** Narrow flood
- **MFL** Medium flood
- **FL** Flood
- **WFL** Wide flood
- **NR** No reflector

Mounting
- **KM** Knuckle mount
- **YM** Yoke mount

Mounting accessories
See page 631.

Accessories
- Internal
  - **IHL** Internal honeycomb louver
  - **CFAMB** Color filter amber
  - **CFBLU** Color filter blue
  - **CFGRN** Color filter green
  - **CFRED** Color filter red
- External
  - **GS** Glare shield
  - **FGS** Full glare shield

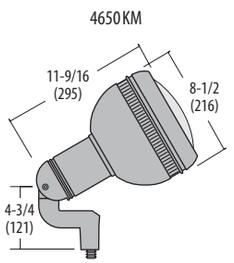
Options
- Fusing
  - **SF** Single fuse[5]
  - **DF** Double fuse[6]
- Ballast
  - **GEB** Electronic ballast[7]

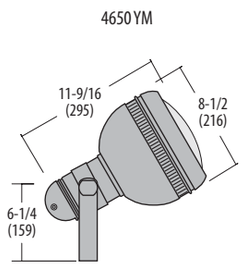
Cord set length[8]
- **CSL___** 10′-50″ of cord

Lamp
- **LPI** Lamp included

Finish
- **BL** Black
- **BZ** Bronze
- **DDB** Dark bronze
- **DNA** Natural aluminum
- **GN** Green
- **GR** Gray
- **SND** Sand
- **STG** Steel gray
- **TVG** Terra verde green
- **WH** White
- **CF** Custom







NOTES:
1. 120V only.
2. Separate ballast enclosure required.
3. Standard on metal halide lamps with GEB ballasts.
4. Not all distribution available with all lamp types, use NR when not choosing LPI on PAR lamps.
5. SF is available with 120V, 277V or 347V on HID only.
6. DF is available with 208V or 240V on HID only.
7. GEB default if MVOLT selected; only valid with metal halide lamps.
8. Only valid with yoke mount.

4709

Head

Intended Use

Designed for installation where cost and reliability are paramount.

Material
Die-cast aluminum.

Lamp
Incandesent: PAR-38, 250W max. HID: PAR-38,150W max.

Socket
Pulse-rated medium-base.

Lens
Convex tempered glass (HID), lens optional on Incandescent models.

Mounting
1/2" NPT adjustable knuckle.

Fasteners
Stainless steel.

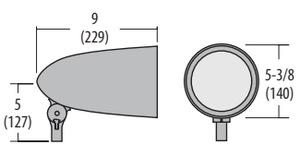
Listings
U.L., C.U.L., suitable for wet locations.

Ordering Information

Example: **4709 P3870M 120 SP CLC SPCA LP BL**

Product	Lamp type	Voltage	Distribution	Lens	Mounting accessories	Accessories	Options	Lamp	Finish
4709	Incandescent[1] **P38100I** **P38150I** Metal halide[2] **P3870M** **P38100M** **P38150M** **P3870CM** **P38100CM**	**120** **208** **240** **277** **347** **120/277** **TB** **MVOLT**[3]	**NR** No reflector **SP** Spot **FL** Flood	**CLA** Convex lens amber **CLB** Convex lens blue **CLG** Convex lens green **CLR** Convex lens red **CLC** Convex lens clear[4]	See page 631.	Internal **IHL** Internal honeycomb louver External **GS** Glare shield	Fusing **SF** Single fuse[5] **DF** Double fuse[6] Ballast **GEB** Electronic ballast[7]	**LP** Lamp installed	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom

NOTES:
1. Incandescent models valid with 120V only.
2. Separate ballast enclosure required for HID models.
3. Standard on metal halide lamps with GEB ballast.
4. CLC lens provided on all HID models, optional on incandescent.
5. SF available with 120V, 277V or 347V on HID only.
6. DF available with 208V, 220V or 240V on HID only.
7. Only available with metal halide lamps and MVOLT voltage.





Linear Floodlight

4750

Intended Use

T5 and T5HO lamp performance, high output symmetrical and asymmetrical distributions and simple design, make the Hydrel 4750 Series ideal for spreading soft, even illumination along walls, signs and planters.

Material
Extruded A360 aluminum with die-cast aluminum end caps. All fasteners are stainlesss steel.

Lamp
Fluorescent, single or multiple T5 and T5HO to 54W per lamp.

Socket
G5 miniature bi-pin.

Voltage
Multi-volt (120V-277V 50/60 Hz).

Distribution
Wall wash, narrow flood, medium flood, vertical flood and wide flood.

Lens
Curved high-strength, optical-grade clear acrylic.

Mounting
KM: knuckle mounted with two 1/2" NPT side mounting arms. AWM: adjustable wall mount with two side mounting brackets and minimum of 10 ft 18-3 STW (US) or 3M 3GX1.0mm HO7RN-F (IEC) flexible cord. Cord length must be specified.

Accessories
External glare control available.

Options
Tamper-proof hardware and Polar Brite™ cold weather options available.

Ballast
Electronic multi-volt, 0° F (-18° C) minimum starting temperature.

Listings
U.L., C.U.L.

Ordering Information

Example: **4754 54T5HO MVOLT MFL KM WMP FSS LP30K DNAT**

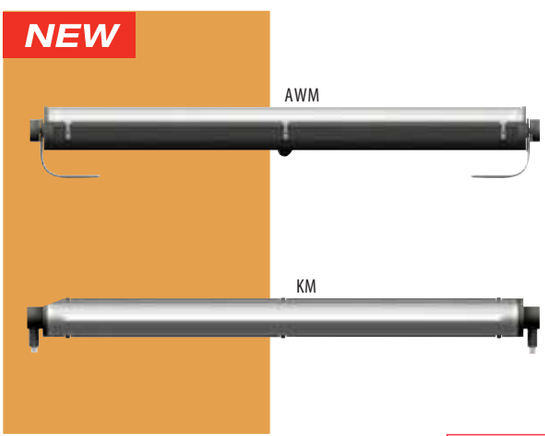
Product	Lamp type		Voltage	Distribution		Mounting options	Accessories[4]	Cord set length[6]	Finish	
4752	4752		**MVOLT**[2]	**WWD**	Wall wash	See page 631. For runs or end-to-end mounting, see www.hydrel.com.	External	**CSL__** 10' - 50' of cord, available in 5' increments	**DBLB**	Designer black, textured
4753	**14T5**	T5 miniature bi-pin		**VFL**	Vertical flood		**FSS** Flush source shield		**DSPD**	Dark gray, textured
4754	**2/14T5**	Two T5 miniature bi-pin[1]		**NFL**	Narrow flood		**FVSR** Full visor		**DNAT**	Natural aluminum, textured
4756	**24T5HO**	T5 high output miniature bi-pin		**MFL**	Medium flood		**HVSR** Half visor		**DWHG**	Designer white, textured
4758	**2/24T5HO**	Two T5 high output miniature bi-pin[1]		**WFL**	Wide flood[3]				**DDBT**	Dark bronze, textured
	4753								**DSPF**	Rust, textured
	21T5	T5 miniature bi-pin							**DSST**	Sandstone, textured
	2/21T5	Two T5 miniature bi-pin[1]							**GN**	Green
	39T5HO	T5 high output miniature bi-pin							**SND**	Sand
	2/39T5HO	Two T5 high output miniature bi-pin[1]							**TVG**	Terra verde green
	4754								**CF**	Custom
	28T5	T5 miniature bi-pin								
	2/28T5	Two T5 miniature bi-pin[1]								
	54T5HO	T5 high output miniature bi-pin								
	2/54T5HO	Two T5 high output miniature bi-pin[1]								
	4756									
	2/39T5HO	Two T5 high output miniature bi-pin								
	4/39T5HO	Four T5 high output miniature bi-pin								
	4758									
	2/28T5	Two T5 miniature bi-pin								
	4/28T5	Four T5 miniature bi-pin[1]								
	2/54T5HO	Two T5 high output miniature bi-pin								
	4/54T5HO	Four T5 high output miniature bi-pin[1]								

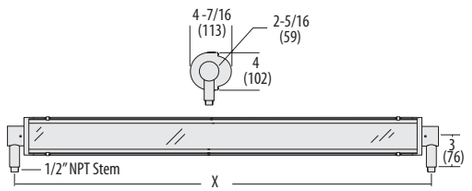
Mounting	
KM	Knuckle mount
AWM	Adjustable wall mount

Options	
TPH	Tamper-proof hardware
PLPK	Polar pack cold weather option[5]

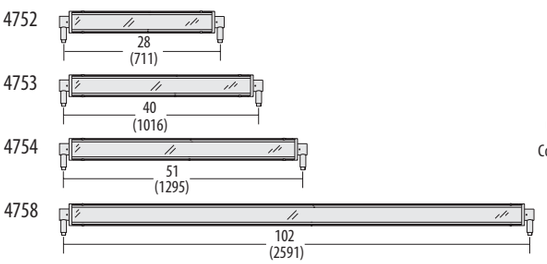
Lamp	
LPI	Lamp included[7]
LP30K	3000°K lamp included
LP35K	3500°K lamp included
LP41K	4100°K lamp included

NOTES:
1. Available with WFL distribution only.
2. MVOLT multi-volt ballast range: 120V-277V, 50/60Hz.
3. WFL distribution only available with multiple lamp options as specified with note 1.
4. Accessories are mutually exclusive. Choose one.
5. Polar pack cold weather is a patent-pending design that maintains T5HO lamp temperature at 50°F (10°C) for optimum light output. Consult www.hydrel.com for more information.
6. Required for AWM mounting only. Specify cord length in feet.
7. If LPI is chosen, default lamp is LP30K.





4750 SERIES LINEAR FLUORESCENT



POLAR PACK TECHNOLOGY®
Consult www.hydrel.com for details.

■ = option available

Accent, Linear Flood Mounting Options													
	2100	4511	4516	4519	4524	4529	4610	4620	4630	4640	4650	4709	4750[1]
No Ballast													
ARJB Architectural junction box	■	■	■	■	■	■	■	■	■	■	■	■	■
FJB Flush mounted junction box	■	■	■	■	■	■	■	■	■	■	■	■	■
JBA/JBB Junction box aluminum/bronze	■	■	■	■	■	■	■	■	■	■	■	■	■
MS/MSB Mounting spike steel/bronze (12" or 18" – 12 volt only)		■	■		■		■	■					
PS/PSS Polymer ground spike open/sealed (18",24"36")[2]		■	■	■	■	■	■	■	■	■	■	■	■
PSSA Pedestal stanchion mount	■	■	■	■	■	■	■	■	■	■	■	■	■
SBA/SBB Stake box aluminum/bronze (12" or 18")[3]				■	■	■		■	■	■	■	■	■
SMSA Stanchion mount	■	■	■	■	■	■	■	■	■	■	■	■	■
__TRAS/__TRBS Tree strap[4]	■	■	■	■	■	■	■	■	■	■	■	■	
WBC35R/WBC40 Wall box cover[3,5]		■[5]	■[5]				■	■					
WMC Wall mount cover[3]	■	■	■	■	■		■	■	■	■	■	■	■
WMSA Wall mount with integral splice box	■	■	■	■	■	■	■	■	■	■	■	■	■
WMSA EA____ Wall mount with extended arms		■	■	■	■	■	■	■	■	■	■	■	■
WMP Wall mount plate	■	■	■	■	■	■	■	■	■	■	■	■	■
WMP EA____ Wall mount plate for extended arm		■	■	■	■	■	■	■	■	■	■	■	■
WMP EAS____ Wall mount plate with extended arm strut		■	■	■	■	■	■	■	■	■	■	■	■
Ballast													
AGB Above ground ballast (175-watt max. – remote)				■	■		■	■	■	■		■	
BPCA/BPCB Big polymer combo box (175-watt max.)	■			■						■	■	■	
BPTA Big polymer transfomer box (300-watt max. low voltage)		■	■		■		■	■					
BSB Big surface box (175-watt max.)[5]	■			■						■	■	■	
BSB EA___ Big surface box with extended arms (175-watt max.)				■						■	■	■	
BSBTS Big surface box with tree strap (175-watt max.)[5]	■	■	■	■			■	■	■	■	■	■	
CBA/CBB Combo box (175-watt max.)	■			■	■					■	■	■	
EBA/EBB Encapsulated ballast box (100-watt max.)	■			■	■			■	■	■	■	■	
RACB Round aluminum combo box (100-watt max.)	■	■[5]	■[5]		■		■[5]	■[5]	■	■		■	
SCA/SCB Small transformer box, aluminum or bronze (75-watt max.)	■	■	■		■		■	■					
SPCA Small polymer combo box (70-watt max.)	■	■	■	■	■		■	■	■	■			
SSB Small surface box (70-watt max.)	■	■[5]	■[5]	■	■		■[5]	■[5]	■	■	■	■	
SSB EA___ Small surface box with extended arms (70-watt max.)		■	■	■	■		■	■	■	■	■	■	
SSBTS Small surface box with tree strap (70-watt max.)	■	■[5]	■[5]	■	■		■[5]	■[5]	■	■	■	■	
TRMT Tree mount transformer		■	■		■		■						

NOTES:
1 Two of the selected mounting boxes will be provided.
2 PS available in 12V only.
3 Knuckle mount fixtures only.
4 Specify up to 4 junction boxes per strap.
5 Will accept two fixtures per mounting. To order with the fixture put 2/ in the lamp type category for example: 45112/M35 12SPWBC40DNA.

Visit www.hydrel.com for detailed information on any of the mounting options.

Reminder: Transformer or HID ballast not included (excluding 4620 M50, 4750). Please remember to order a ballast or transformer box.

Step Lighting

4451
4452
4453

Intended Use

For use in outdoor wet locations, such as patios and pathways at hospitals, hotels, schools, airports and parking garages.

Material
Cast aluminum or cast bronze.
Aluminum body black permabarred.

Lamp
Incandescent: 40W max, A19 lamp.
Fluorescent: single or double 13W max CFL twin tube or double twin tube.

Socket
Incandescent: Medium screw base
Fluorescent: 2G7 or GX24Q-1 base.

Ballast
Fluorescent: electronic ballast high frequency with 0° F (-18° C) minimum starting temperature.

Lens
Diffused, tempered glass for non-louvered door. Clear, tempered glass for louvered door.

Conduit Entries
3/4" NPT side entries standard.

Accessories
Louver door, 45° cut-off.

Fasteners
Stainless steel.

Listings
U.L., CSA, suitable for wet locations.

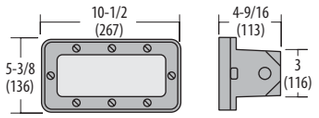
Ordering Information

Example: **4451 A 13DTT 120 LPI SND**

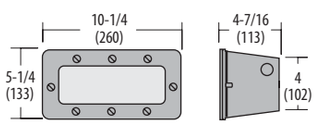
Product	Material	Lamp type	Voltage	Accessories	Lamp	Finish
4451	**A** Aluminum	Incandescent	**120**	External	**LPI** Lamp included	**BL** Black
4452	**B** Bronze	**40I**[1]	**277**	**LLV** Louver door		**BZ** Bronze
4453		Fluorescent	**347**	Internal[3]		**DDB** Dark bronze
		7TT		**IPL** Parallel louver		**DNA** Natural aluminum
		9TT				**GN** Green
		13DTT				**GR** Gray
		2/7TT[2]				**SND** Sand
		2/9TT[2]				**STG** Steel gray
		2/13TT[2]				**TVG** Terra verde green
						WH White
						CF Custom



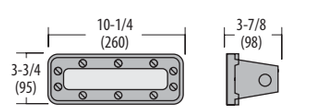
4451



4452



4453



NOTES:
1 Incandescent models available with 120V only.
2 Only available with 4452.
3 Only available with 4451.

www.hydrel.com

4454
4456

Intended Use

For use in outdoor wet locations, such as patios and pathways at hospitals, hotels, schools, airports and parking garages.

Material
Cast aluminum or cast bronze. Aluminum body black permabarred.

Lamp
HID: 50W max, E17 lamp.

Socket
Medium screw base, pulse-rated.

Ballast
HID: Magnetic ballast high power factor with -20° F (-29° C) minimum starting temperature. Fluorescent: electronic ballast high frequency with 0° F (-18° C) minimum starting temperature.

Lens
Diffused, tempered glass for non-louvered door. Clear, tempered glass for louvered door.

Conduit Entries
3/4" NPT side entries standard.

Fastener
Stainless steel.

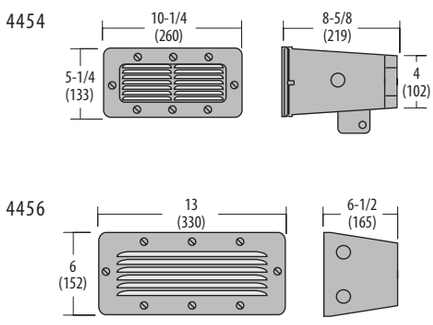
Listings
U.L., CSA, suitable for wet locations.

Ordering Information

Example: **4456 A 42TRT 120 EL N LPI DDB**

Product	Material	Lamp type	Voltage	Accessories	Options[3,4]	Lamp	Finish
4454	**A** Aluminum	Incandescent	**120**	External	**EL N** NICAD battery backup	**LPI** Lamp included	**BL** Black
4456	**B** Bronze[1]	**75I**[2,3]	**277**	**LLV** Louver door	**EL N SD** NICAD battery backup self diagnostic		**BZ** Bronze
		Fluorescent[3]	**347**				**DDB** Dark bronze
		18TRT					**DNA** Natural aluminum
		26TRT					**GN** Green
		32TRT					**GR** Gray
		42TRT					**SND** Sand
		Metal halide					**STG** Steel gray
		50M					**TVG** Terra verde green
		High pressure sodium					**WH** White
		35S[2]					**CF** Custom
		50S					

NOTES:
1 Not available with the 4456.
2 Available in 120V only.
3 Not available with 4454.
4 Only available with fluorescent lamps.





Step Lighting

4462

Intended Use

Meets installation requirements for wood and all (insulation) type IC applications. Fixtures are completely weatherproof with neoprene gasket and tempered lens.

Fixture Housing and Door
Heavy wall cast bronze construction. Natural bronze finish.

Niche
Stainless steel with cast bronze mounting frame which has provisions for locking fixture into position. Single conduit entrance is 3/4" NPT with 3/4" x 1/2" NPT reducer bushing.

Lamp
Incandescent: A-19 90W max., 120V. Quartz halogen: T-4 75W max., 120V. Low voltage: (2) MR-16, 35W max. each.

Socket
Incandescent: medium base. Quartz Halogen: Mini-can screw base. Low Voltage: Gx5.3 bi-pin.

Lens
Tempered borosilicate diffuse glass standard. Clear tempered borosilicate glass.

Gasket
Single piece, molded U-shaped silicone.

Cord
Minimum of 35 ft of #16-3ST submersible rated cord. Cord entrance is brass water-tight seal and epoxy encapsulated. Cord length must be specified.

Factory Leak Tested
Fixtures are tested at 10 PSI (0.70kg/cm2) internal pressure while totally submerged in water.

Fasteners
Stainless steel.

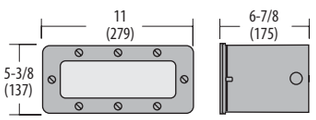
Listings
U.L., C.U.L., IP67.

Ordering Information

Example: **4462 2/M35 12 FL RG CSL50 LPI**

Product	Lamp type	Voltage	Distribution	Accessories	Cord set length	Lamp
4462	Incandescent **90I** Quartz **75Q** Low voltage **2/M35**	**12**[1] **120**	**NR** No reflector[2] **SP** Spot[2] **NSP** Narrow spot[2] **FL** Flood **NFL** Narrow flood[2] **WFL** Wide flood[2]	External[3] **RG** Rock guard **LLV** Louver	**CSL** ___ 35'-120' of cord[4]	**LPI** Lamp included





NOTES:
1 Transformer sold separately.
2 Only available with 2/M35.
3 Accessories are mutually exclusive. Choose one.
4 CSL50 is maximum length for 12V fixtures.

M4534

Intended use

This unique style, and distinctive fixture is ideal for installation in sidewalks or promenades – designed to be recessed in concrete, flush to lower rim.

Material
Cast aluminum housing with integral 24 in^3 junction box (incandescent) or ballast box (HID, fluorescent).

Lamp
Incandescent: 60W max., A-15 or T-10/tubular. 100Q (Quartz) 100W max., T-4/tubular. HID:100W max., E-17/elliptical or T6/G12. Fluorescent: 32TRT, 32W max.

Socket
Quartz: mini-can base. Fluorescent: Gx24q-3 base. HID, Incandescent: pulse-rated medium base.

Lens
Molded, tempered, borosilicate.

Gasket
Molded silicone.

Conduit Entries
Two 3/4" NPT, 1/2" NPT side or bottom openings available.

Glare Control
Black finish Glarefoil™ included.

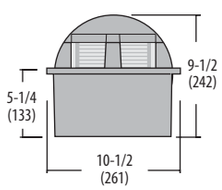
Listings
U.L., C.U.L.

Ordering Information

Example: **M4534 70CMT6 MVOLT 34S MILS180 GEB LPI STG**

Product	Lamp type	Voltage	Conduit entry	Accessories	Options	Lamp	Finish
M4534	Incandescent[1] **60I** **100Q** Fluorescent **18TRT** **26TRT** **32TRT** Metal halide **50M** **70M** **100M** Ceramic metal halide **35CMT6** **70CM** **70CMT6** **100CM** High pressure sodium **35S** **50S** **70S** **100S**	**120** **208** **240** **277** **347** **MVOLT**[2]	**12B** 1/2" NPT bottom **12S** 1/2" NPT side **34B** 3/4" NPT bottom **34S** 3/4" NPT side	**MILS90** Internal 90° light shield **MILS180** Internal 180° light shield	Fusing **SF** Single fuse[3] **DF** Double fuse[4] Ballast[5] **GEB** Electronic ballast **MLEBAD** Electronic dimming ballst[6]	**LPI** Lamp included	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom

NOTES:
1 Only available in 120V.
2 MVOLT is only available with fluorescent and metal halide lamps with GEB or MLEBAD options.
3 SF available with 120V, 277V or 347V and HID only.
4 DF available with 208V or 240V and HID only.
5 Only available with metal halide lamps and MVOLT voltage.
6 0-10V dimmer not included.





Border Lighting

4540

Intended Use

This unique and distinctive fixture has been custom designed for installation along park walkways and sidewalks.

Material
The bollard section is fabricated from heavy cast aluminum.

Lamp
HID:100W max., E-17/elliptical or T6/G12.

Socket
Pulse-rated medium base.

Rough-In Section
Injection-molded ABS, U.V. stabilized, impact and corrosion-resistant for use in all types of environments.

Lens
Molded tempered glass. 90° cutoff with internal louver.

Conduit Connection
Two 3/4" NPT bottom openings are standard in the cast aluminum integral junction box. Suitable for through-branch wiring, this box has 24 in^3 of volume.

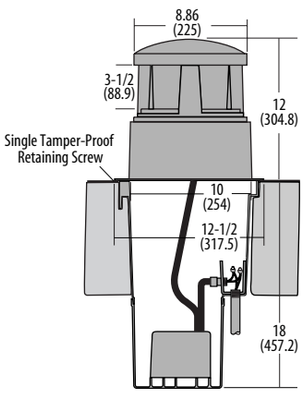
Power Module
Sealed unit encapsulated in an engineered composite resin to eliminate all water entry.

Ordering Information

Example: **4540 70M 277 34B LP BL**

Product	Lamp type	Voltage	Conduit entry	Accessories	Options	Lamp	Finish
4540	Metal halide	**120**	**34B** 3/4" NPT bottom	**MILS90** Internal 90° light shield	Fusing	**LP** Lamp installed	**BL** Black
	50M	**208**	**12B** 1/2" NPT bottom	**MILS180** Internal 180° light shield	**SF** Single fuse[2]		**BZ** Bronze
	70M	**240**			**DF** Double fuse[3]		**DDB** Dark bronze
	Ceramic metal halide	**277**			Ballast[4]		**DNA** Natural aluminum
	35CMT4	**347**			**GEB** Electronic ballast		**GN** Green
	35CMT6	**MVOLT**[1]			**MLEBAD** Electronic dimming ballast[5]		**GR** Gray
	70CM						**SND** Sand
	70CMT4						**STG** Steel gray
	70CMT6						**TVG** Terra verde green
							WH White
							CF Custom





NOTES:
1 MVOLT is only available with GEB and MLEBAD options.
2 SF available with 120V, 277V or 347V and HID only.
3 DF available with 208 or 240 volts and HID only.
4 Only available with MVOLT voltage.
5 0-10V dimmer not included.

M9450

Pathway Light

M9460

Marker Light

Intended Use

Pathway and marker lights are multi-purpose units designed for high-traffic areas to be mounted in a variety of substrates. The M9460 Series also is suitable for drive-over applications.

See www.hydrel.com for more details.

Ordering Information

Example: **M9450 18TRT MVOLT 12B LP SND**

Product	Lamp type	Voltage	Conduit entry	Accessories	Options	Lamp	Finish
M9450	Incandescent[1] **75Q** Fluorescent **18TRT** **26TRT** **32TRT** Metal halide **70M** Ceramic metal halide **35CMT6** **70CM** **70CMT6**	**120** **208** **240** **277** **347** **MVOLT**[2]	**12B** 1/2" NPT bottom **12S** 1/2" NPT side **34B** 3/4" NPT bottom **34S** 3/4" NPT side **1B** 1" NPT bottom	**MILS90** Internal 90° light shield **MILS180** Internal 180° light shield	Fusing **SF** Single fuse[3] **DF** Double fuse[4] Ballast[5] **GEB** Electronic ballast **MLEBAD** Electronic dimming ballast[6]	**LP** Lamp installed	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray[7] **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom

Ordering Information

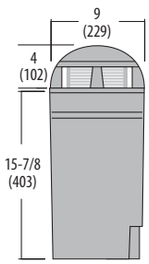
Example: **M9460 100CM 120 34B LP TVG**

Product	Lamp type	Voltage	Conduit entry	Accessories	Options	Lamp	Finish
M9460	Low voltage **50QT3** Incandescent[1] **75Q** Ceramic metal halide **35CMT4** **35CMT6** **70CMT4** **70CMT6** **70CM** **100CM**	**12**[7] **120** **208** **240** **277** **347** **MVOLT**[2]	**12B** 1/2" NPT bottom **12S** 1/2" NPT side **34B** 3/4" NPT bottom **34S** 3/4" NPT side **1B** 1" NPT bottom	**XLS** Extermal glare shield **2XLS** (2) exteral glare shields	Fusing **SF** Single fuse[3] **DF** Double fuse[4] Ballast[5] **GEB** Electronic ballast **MLEBAD** Electronic dimming ballast[6]	**LP** Lamp installed	**BL** Black **BZ** Bronze **DDB** Dark bronze **DNA** Natural aluminum **GN** Green **GR** Gray[7] **SND** Sand **STG** Steel gray **TVG** Terra verde green **WH** White **CF** Custom

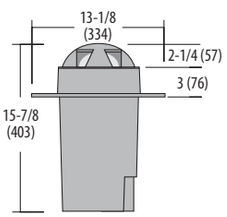
NOTES:

1 Only available in 120V.
2 MVOLT is only available with fluorescent and metal halide lamps.
3 SF available with 120V, 277V or 347V and HID only.
4 DF available with 208V or 240V and HID only.
5 Only available with HID lamps and MVOLT voltage.
6 0-10V dimmer not included.
7 Low voltage only, transformer sold separately.

M9460



M9450





Border Lighting

4595
4596
4597
4598

Intended Use

The graceful mushroom garden light is ideal for lighting flower beds, low planter areas, walkways and driveways, or any area where an unobstructed circular field of light is desired.

Material
Heavy-gauge cast bronze body with spun copper canopy.

Lamp
Quartz T3 20W max.

Socket
G4 bi-pin

Lens
Glass

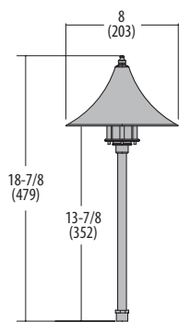
Ordering Information

Example: **4595 20QT3 12 JBA LPI VBL**

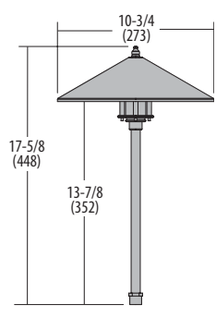
Product	Lamp type	Voltage	Accessories	Lamp	Finish[2]
4595	**20QT3**	**12**[1]	**JBA** J-box, aluminum	**LPI** Lamp included	**VBL** Black
4596			**JBB** J-box, bronze		**VBZ** Bronze
4597					**VGN** Green
4598					**VTVG** Terra verde green
					VWH White

NOTES:
1 Low-voltage transformer sold separately.
2 Vendor-supplied finish. Consult factory for details.

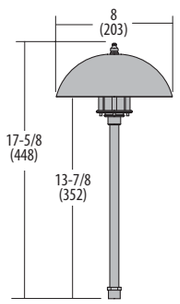
4595



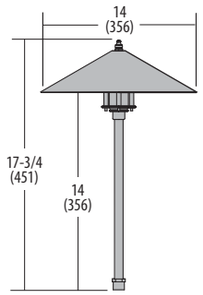
4596



4597



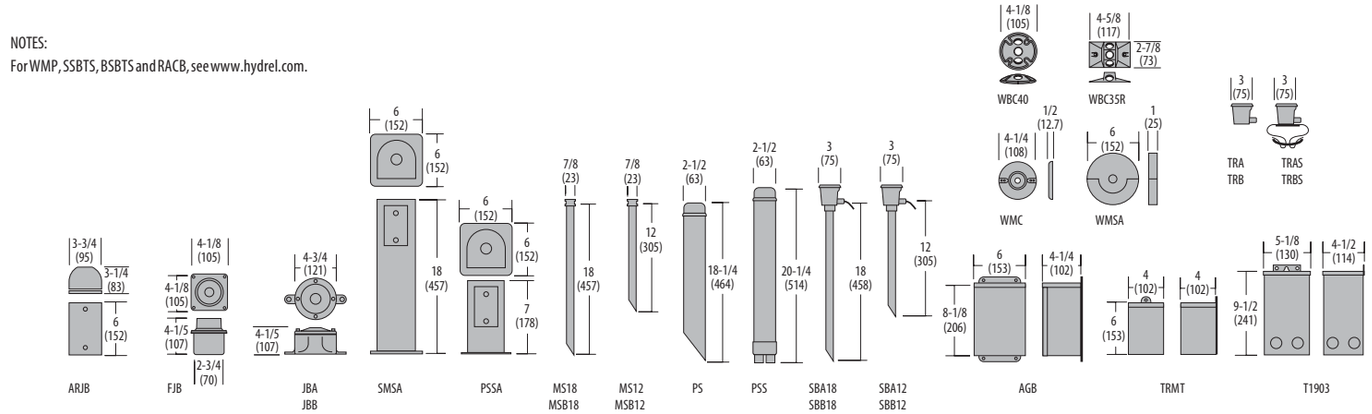
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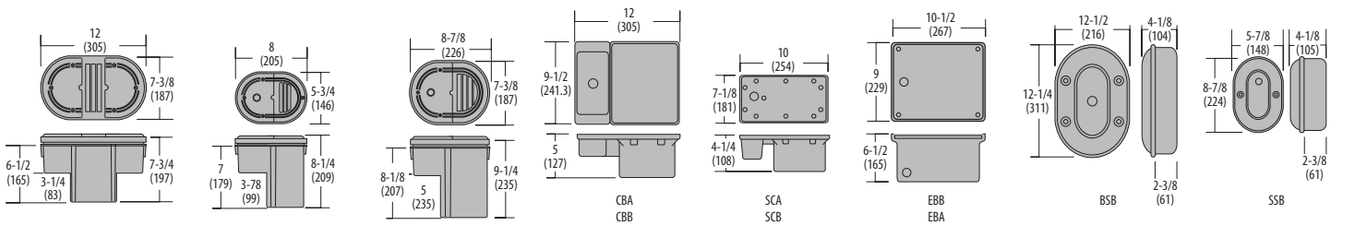


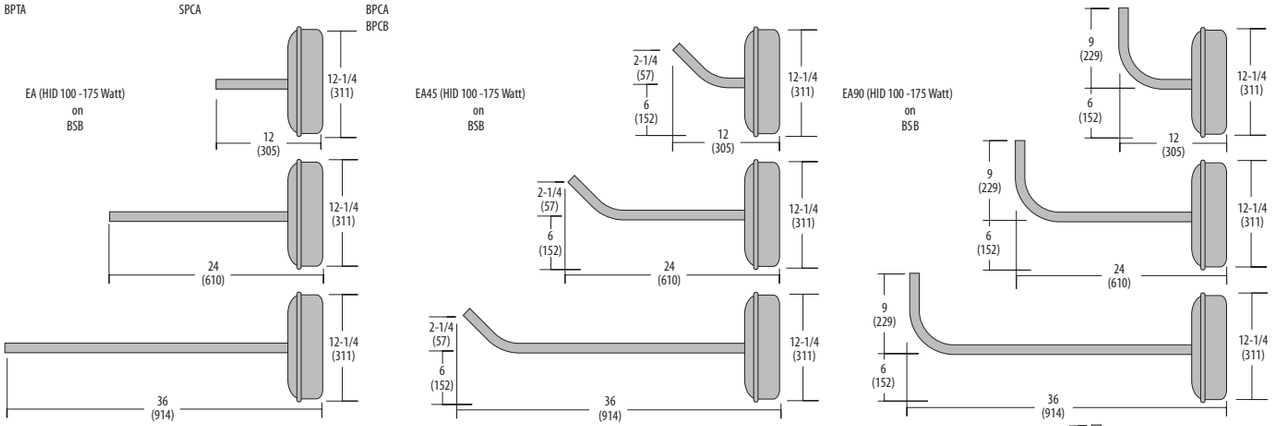


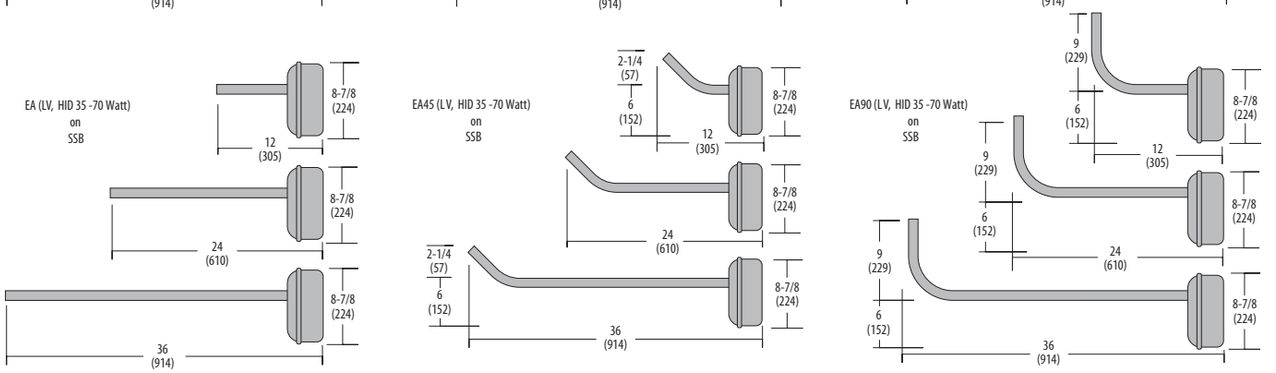
www.hydrel.com

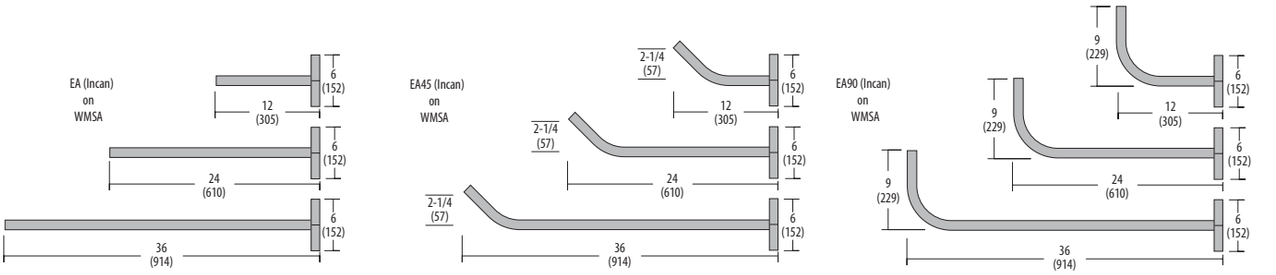
NOTES:
For WMP, SSBTS, BSBTS and RACB, see www.hydrel.com.



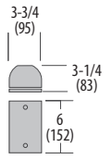




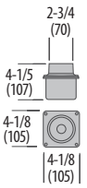




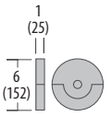
Ground, Wall or Pole Mounting



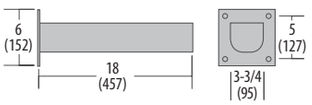
ARJB
Architechtural
Junction Box



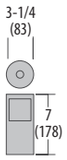
FJB
Flush Mount
Junction Box



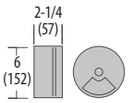
WMSA
Wall Mount



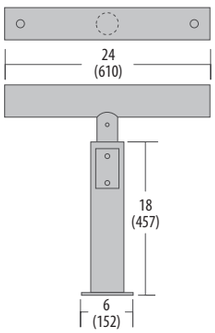
EWM
Extended Wall Mount

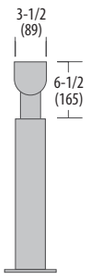


PMSA
Pole Mount

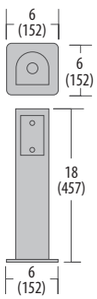


TRJB
Tree Mount

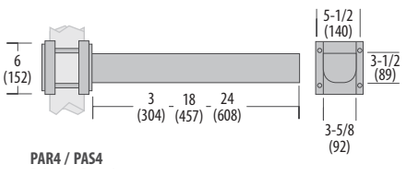




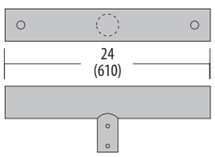
SMT
Stanchion Mount Tee



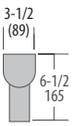
SMSA
Stanchion Mount

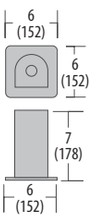


PAR4 / PAS4
Pole Arm Round
Pole Arm Square

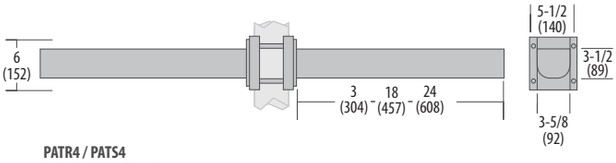


PMT
Pole Mount Tee



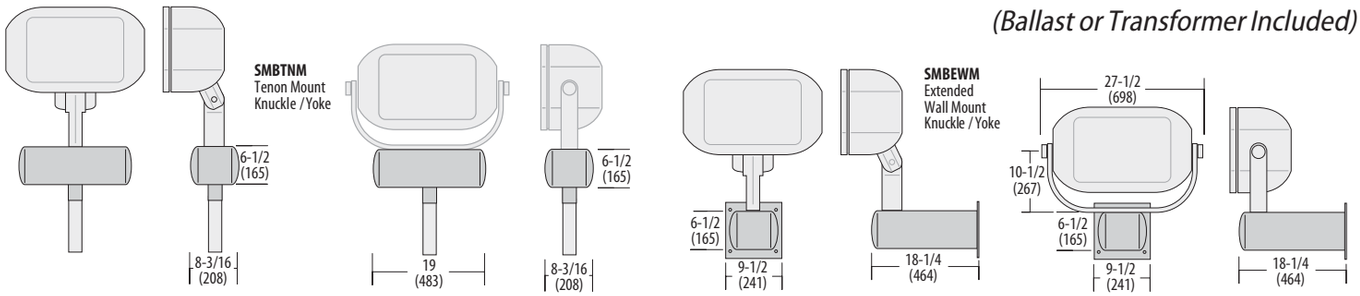


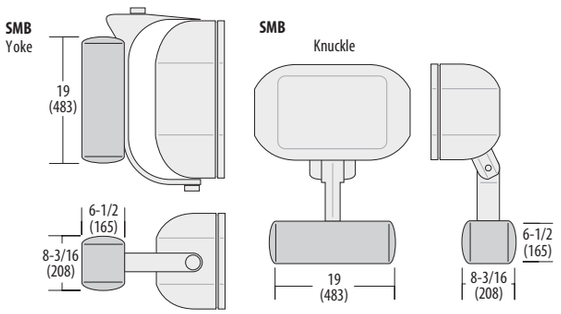
PSSA
Pedestal
Stanchion Mount

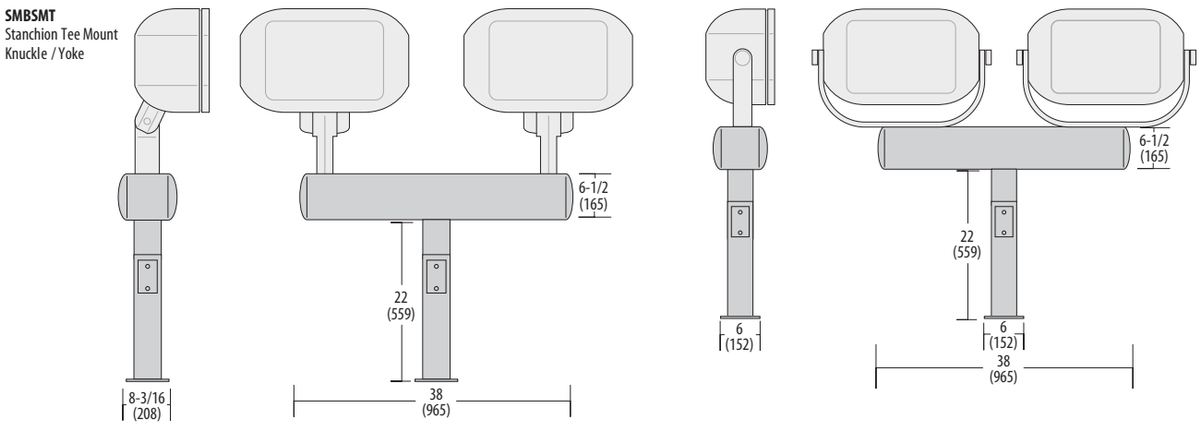


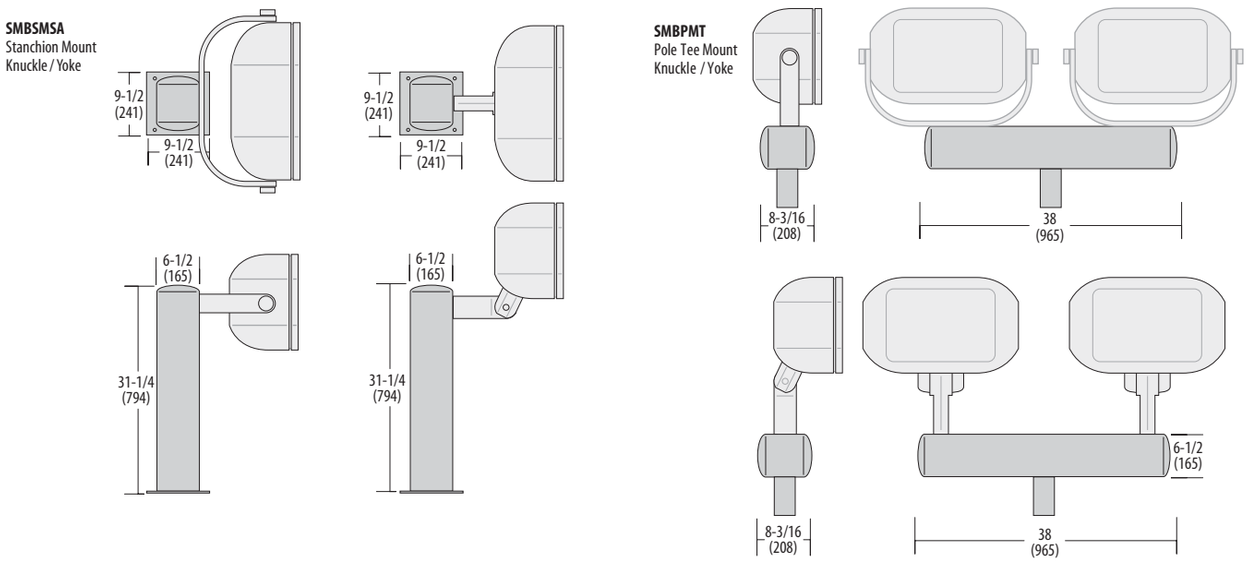
PATR4 / PATS4
Pole Arm Twin Round
Pole Arm Twin Square

(Ballast or Transformer Included)







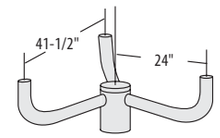


Brackets (for Pole/Tenon Mounts)

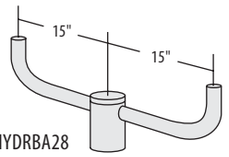
Brackets – Must be ordered with pole to insure proper fit. For use with Hydrel poles or stanchions only.

RSA Pole – mount to T25 2-7/8" OD tenon

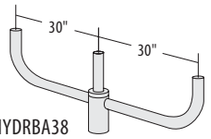
Part Number	EPA	Weight
HYDRBA 28	1.2	7.0
HYDRBA 32	1.7	14.3
HYDRBA 38	1.9	10.5
HYDRBA48	2.7	14.5
HYDRBA 49	2.2	17.5



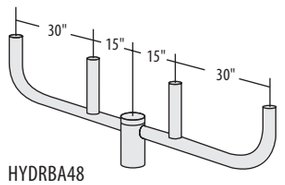
HYDRBA32



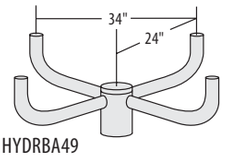
HYDRBA28



HYDRBA38



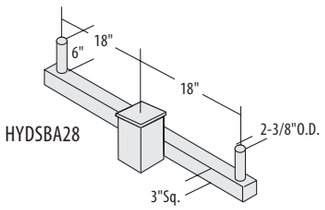
HYDRBA48



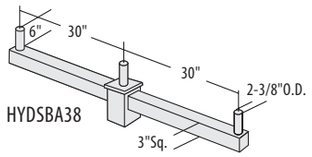
HYDRBA49

SSA Pole – brackets flush mount on 4" or 5" poles.
For use with internal sleeve, plain open top poles.

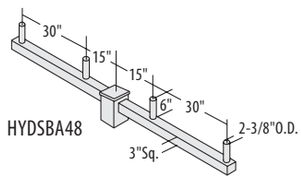
Part Number	EPA	Weight
HYDSBA28	.90	12
HYDSBA38	1.5	17
HYDSBA48	2.25	22
HYDSBA49	1.7	22



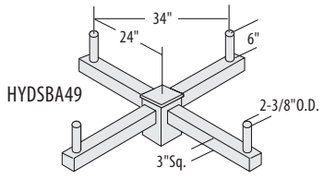
HYDSBA28



HYDSBA38



HYDSBA48

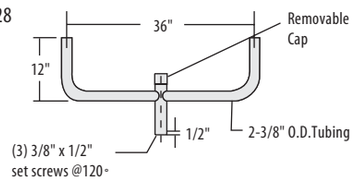


HYDSBA49

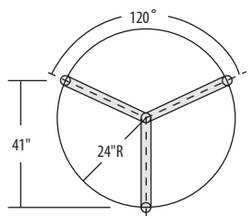
RSS Pole – requires T20 or TC stanchion mount

Part Number	EPA	Weight
HYDBS28	1.0	21.00
HYDBS32	1.3	34.00
HYDBS38	1.6	32.00
HYDBS48	2.3	44.00
HYDBS49	1.6	44.00

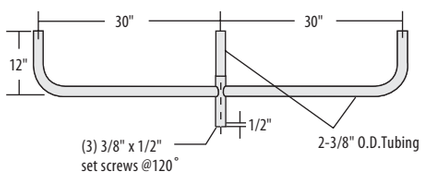
HYDBS28



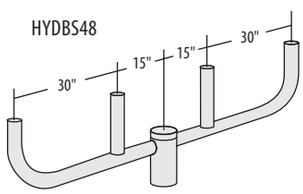
HYDBS32



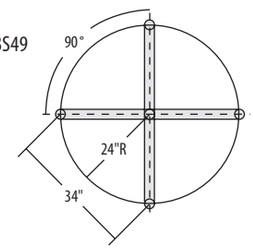
HYDBS38



HYDBS48



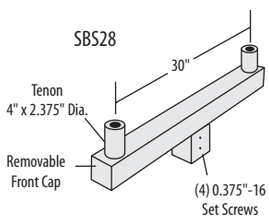
HYDBS49



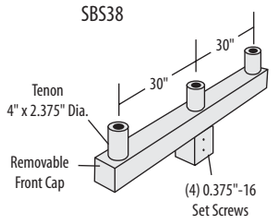
SSS Pole – requires T20 or TC stanchion mount

Part Number	EPA	Weight
HYDSBS28	1.1	30.00
HYDSBS38	1.7	42.00
HYDSBS49	2.1	45.00

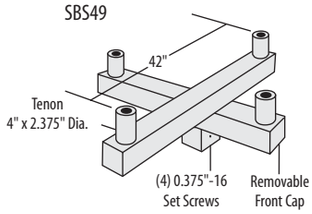
SBS28



SBS38



SBS49



Poles: For detailed technical information, EPAs and wind map, please visit www.hydrel.com.

Ordering Information

Example: **HYDSSAG2 16 3.75 J T20 DDB**

Type		Height	Nominal shaft base size (in.)	wall thickness (in.)	
HYDSSAG2	Square straight aluminum G2	**10-16**	**3.75**	**J**	.250
HYDSSA	Square straight aluminum	**8-35**	**4**	**C**	.125
			5	**G**	.188
			6	**J**	.250
HYDSSS	Square straight steel	**10-39**	**4**	**C**	.125
			5	**G**	.188
			6		
HYDRSA	Round straight aluminum	**8-30**	**4**	**C**	.125
			4.5	**E**	.156
			5	**G**	.188
			6		
HYDRSS	Round straight steel	**8-35**	**4**	**B**	1.20
			4.5		
			5		

Fixture mounting method[1]

Mounting
- **PT** Open top

Tenon mounting
- **T20** 2-3/8" O.D.
- **T25** 2-7/8" O.D.

Drill mounting

G2XTEND
- **DM19G2** Single luminaire drilling
- **DM28G2** Two luminaires at 180°
- **DM29G2** Two luminaires at 90°
- **DM39G2** Three luminaires at 90°
- **DM49G2** Four luminaires at 90°

8100/8200 PM
- **DM19AS** Single luminaire drilling
- **DM28AS** Two luminaires at 180°
- **DM29AS** Two luminaires at 90°
- **DM39AS** Three luminaires at 90°
- **DM49AS** Four luminaires at 90°

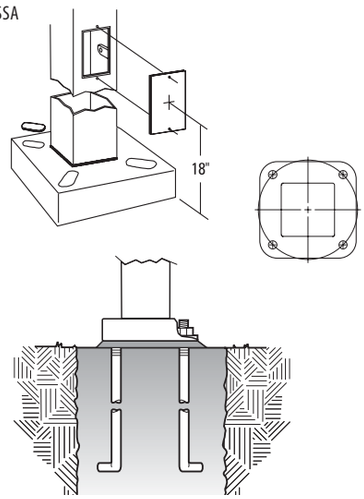
Options
- **PER** NEMA twist-lock receptacle only located at pole top[2]
- **L/AB** Less anchor bolts
- **VD** Vibration damper
- **TP** Tamper-proof screws provided with base cover
- **H__** Horizontal arm[3,4]
- **FDL__** Festoon duplex outlet less electrical[3]
- **FGL__** Festoon GFI outlet less electrical[3]
- **HH__** Extra handhole[3,5]

Finish

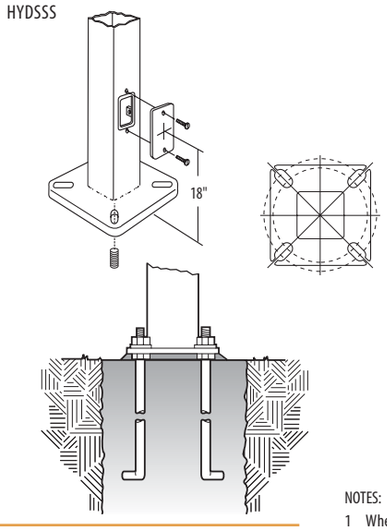
Standard colors
- **BL** Black
- **BZ** Bronze
- **DDB** Dark bronze
- **DNA** Natural aluminum
- **GN** Green
- **GR** Gray
- **SND** Sand
- **STG** Steel gray
- **TVG** Terra verde green
- **WH** White

Designer colors
- **DBLB** Designer black, textured
- **DSPD** Dark gray, textured
- **DNAT** Natural aluminum, textured
- **DWHG** Designer white, textured
- **DDBT** Dark bronze, textured
- **DSPF** Rust, textured
- **DSST** Sandstone, textured
- **CF** Custom

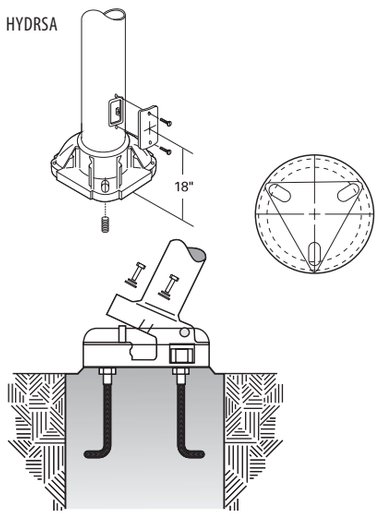
HYDSSA



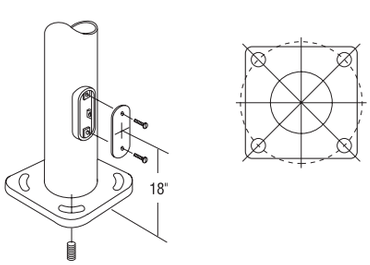
HYDSSS

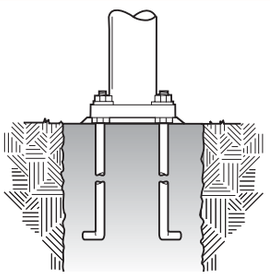


HYDRSA



HYDRSS





NOTES:
1. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28G2/T20. The combination requires an extra handhole.
2. NEMA twist-lock photo control by others. Not available with tenon mounting.
3. Must specify location and orientation when ordering an option.
   For 1st space _ : Specify the height in feet above base of pole.
   Example: 5ft = 5 and 20ft = 20
   For 2nd space _ : Specify orientation from handhole (A,B,C,D)
   Refer to the handhole orientation diagram on this page.
4. Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
5. Combination of tenon-top and drill mount requires extra handhole.

CAUTION: *This pole selection process is a guideline only. Hydrel and Acuity Brands Lighting assumes no responsibility for selection and recommends consultation with qualified individuals for verification of luminaire/pole assembly selection.*

Fountain and Swimming Pool

4428

Intended Use

Swimming pool, reflection pool and fountain pool lights. This175W metal halide fountain light, the first HID underwater light in the industry, delivers the equivalent light output of a 1000W Quartz halogen lamp while consuming only one-fifth the power and attaining 2-1/2 times longer lamp life.

Features

The industry's first 175W metal halide swimming pool and fountain light provides light output equivalent to a 1000W incandescent lamp but uses only one-fifth the power, with more than two times the lamp life.

Ballast

Metal halide ballast encapsulated and contained in fixture. Heavy wall cast bronze construction.

Lens

Tempered borosilicate clear lens and silicone gaskets.

Reflector

Fountain light provides three reflectors – a 7° spot, a medium flood and a wall wash.

Listings

U.L., submersible or wet/dry listed fountain (submersion not required for safe operation).

Ordering Information

Example: **4428 SS 175M 120 NM 34B CSL120 SWM LP**

Swimming pool or niche mount fountain application.

Product	Door	Lamp type	Voltage	Mounting	Conduit	Cord set length	Application	Lamp
4428	**B** Bronze **SS** Stainless steel trim	**175M**	**120**	**NM** Niche mount	**34B** 3/4" NPT bottom	**CSL** ___ 35'-120' of cord available in 5' increments	**SWM** Swimming pool	**LP** Lamp installed

Ordering Information

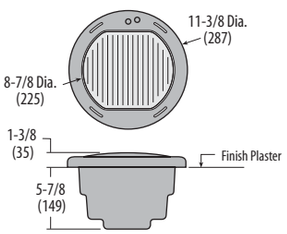
Example: **4428 175M 120 FL FLC BM CSL100 LP**

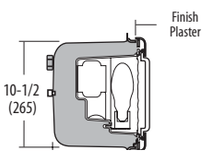
Base mount fountain application.

Product	Lamp type	Voltage	Distribution	Lens	Mounting	Accessories	Cord set length	Lamp
4428 **WD4428**	**175M**	**120**	**SP** Spot **FL** Flood **WWD** Wall wash	**FLC** Flat lens clear **FLC5** Flat lens 5° axial spread	**BM** Base mount	**IHL** Internal honeycomb louver **ISS** Internal source shield **WWL** Wall wash louver **CFAMB** Color filter amber **CFBLU** Color filter blue **CFGRN** Color filter green **CFRED** Color filter red	**CSL** ___ 10'-120' of cord available in 5' increments	**LP** Lamp installed

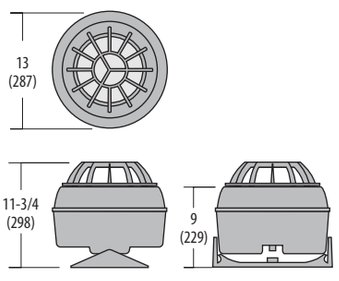


4428





Niche



Base

4425 NM SWM
4427 NM SWM
4800 NM SWM

Intended Use

Swimming pool fixtures. Maximum wattages of each lamp type listed. Lower wattages available; consult www.hydrel.com for more information.

Ordering Information

Example: **4425 B P56300ILV 12 WFL CLS NM 1B CSL50 SWM LPI**

Product	Door	Lamp type	Voltage	Distribution[3]	Lens	Mounting	Conduit	Cord set length	Application	Lamp	Options
4425	**B** Bronze **SS** Stainless steel bezel	Low voltage[1] **P56300ILV** Incandescent **P56500I**	**12**[2] **120**	**MFL** Medium flood **NSP** Narrow spot **WFL** Wide flood	**CLS** Convex lens swim **CLSA** Convex lens swim amber **CLSB** Convex lens swim blue **CLSG** Convex lens swim green **CLSR** Convex lens swim red	**NM** Niche mount	120 volt only **34B** 3/4" NPT bottom 12 volt only **1B** 1" NPT bottom	**CSL** ___ 35'-120' of cord available in 5' increments	**SWM** Swimming pool	**LPI** Lamp included	**CSA** CSA Certified

Ordering Information

Example: **4427 B P641000I 120 MFL CLS NM 34B CSL50 SWM LPI**

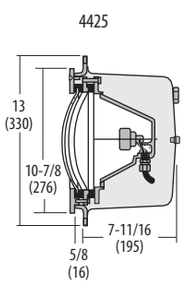
Product	Door	Lamp type	Voltage	Distribution[3]	Lens	Mounting	Conduit	Cord set length	Application	Lamp	Options
4427	**B** Bronze **SS** Stainless steel	Incandescent **P641000I** **P56500I**	**120**	**MFL** Medium flood **NSP** Narrow spot **WFL** Wide flood	**CLS** Convex lens swim **CLSA** Convex lens swim amber **CLSB** Convex lens swim blue **CLSG** Convex lens swim green **CLSR** Convex lens swim red	**NM** Niche mount	**34B** 3/4" NPT bottom	**CSL** ___ 35'-120' of cord available in 5' increments	**SWM** Swimming pool	**LPI** Lamp included	**CSA** CSA Certified

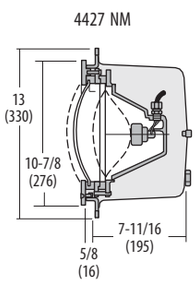
Ordering Information

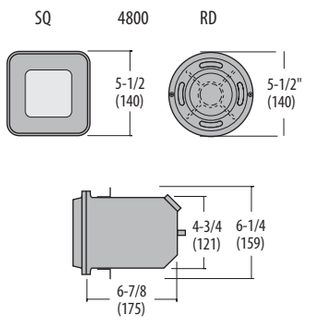
Example: **4800 RD B M75 12 FL CL NM 3445B CSL50 SWM LP**

Product	Door type	Door	Lamp type	Voltage	Distribution	Lens	Mounting	Conduit	Cord set length[2]	Application	Lamp	Options
4800	**RD** Round **SQ** Square	**B** Bronze **SS** Stainless steel	Low voltage[1] **M75** Incandescent **100Q** **150Q**	**12**[2] **120**	**FL** Flood[4]	**CL** Convex lens **CLA** Convex lens amber **CLB** Convex lens blue **CLG** Convex lens green **CLR** Convex lens red **CLC** Convex lens clear	**NM** Niche mount	**3445B** 3/4" NPT at 45°	**CSL** ___ 35'-120' of cord available in 5' increments	**SWM** Swimming pool	**LP** Lamp installed	**CSA** CSA Certified

NOTES:
1. 12V only; transformer sold separately.
2. 50 foot maximum cord length on 12V fixtures.
3. Distributions based on available lamps.
4. Only available with M75 lamp, otherwise leave blank.







www.hydrel.com

Fountain

4409 BM
4413 BM
4415 BM/YM

Intended Use

Lighting for fountains and reflecting pools – base/yoke mount.

Ordering Information

Example: **4409 100QT3 120 FLC BM CSL120 LP**

Model	Lamp type	Voltage	Lens	Mounting	Accessories	Cord set length	Options
4409	**75QT3** **100QT3**	**12**[1] **120**	**FLC** Flat lens clear	**BM** Base mount	**DCFAMB** Color filter amber **DCFBLU** Color filter blue **DCFGRN** Color filter green **DCFRED** Color filter red	**CSL** ___ 10′-120′ of cord available in 5′ increments[5]	**LP** Lamp included

Ordering Information

Example: **4413 500Q 120 FL FLC BM CSL80**

Model	Lamp type	Voltage	Distribution	Lens	Mounting	Cord set length	Lamp	Options
4413	**100Q** **150Q** **150QT3** **200QT3** **250Q** **300QT4** **400QT4** **500Q**	**120**	**SP** Spot **FL** Flood	**FLC** Flat lens clear **FLAM** Flat lens amber **FLG** Flat lens green **FLR** Flat lens red	**BM** Base mount	**CSL** ___ 10′-120′ of cord available in 5′ increments	**LPI** Lamp included	**CSA** CSA Certified

Ordering Information

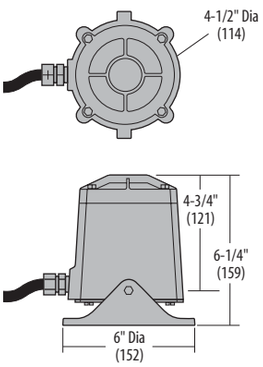
Example: **4415 3/M50 12 FL BM ALB RSR12 CSL40 LPI**

Model	Lamp type	Voltage	Distribution[2]	Mounting	Mounting accessories[3]	Cord set length[2]	Lamp	Options
4415	Incandescent **116I** Quartz **200QT3** **300QT3** Low voltage **3/M50**[2,6] **3/M75**[2,6]	**12**[1] **120**	**FL** Flood	**BM** Base mount **YM** Yoke mount* * Consult www.hydrel.com for yoke mount dimensions.	**ALB** Adjustable locking base **RSR** 4″-24″ riser stem available in 2″ increments[4]	**CSL** ___ 10′-120′ of cord available in 5′ increments[5]	**LPI** Lamp included	**CSA** CSA Certified

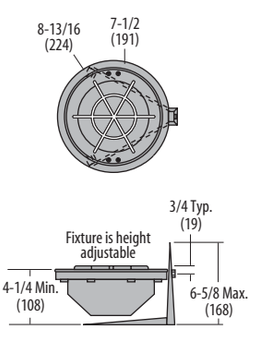
NOTES:
1. Transformer sold separately.
2. Other distributions available for the 3/M50 and the 3/M75 only.
3. Available with base mount only.
4. RSR6 default with ALB.
5. 50′ max cord length for 12V fixtures.
6. Available in 12V only.



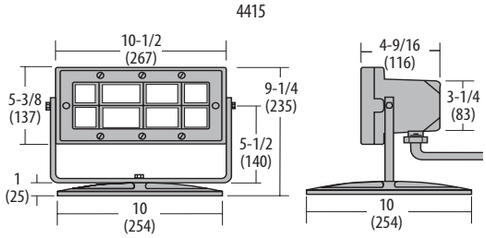
4409



4413



4415



4424 BM/YM
4427 BM/YM
4800 BM/YM

Intended Use

Lighting for fountains and reflecting pools – base/yoke mount.

Ordering Information

Example: **4424 P56500I 120 MFL CLC YM CSL120 LPI**

Model	Lamp type	Voltage	Distribution[3]	Lens	Mounting	Mounting accessories[5]	Cord set length	Lamp	Options
4424	Incandescent **P56300I** **P56500I**[1] Low voltage[2] **P56240ILV** **P56300ILV**[1]	**12** **120**[2]	**MFL** Medium flood **NSP** Narrow spot **WFL** Wide flood	**CLC** Convex lens clear[4] **CLA** Convex lens amber **CLB** Convex lens blue **CLG** Convex lens green **CLR** Convex lens red	**BM** Base mount **YM** Yoke mount* * Consult www.hydrel.com for yoke mount dimensions.	**ALB** Adjustable locking base **RSR** 4″-24″ riser stem available in 2″ increments[6]	**CSL** ___ 10′-120′ of cord available in 5′ increments[7]	**LPI** Lamp included	**CSA** CSA certified

NOTES:
1 P56500I – default for 120V. P56300ILV – default for 12V.
2 Transformer not included, sold separately.
3 Lamp distribution based on lamp manufacture availability.
4 CLC – default.
5 Mounting accessories with BM only.
6 RSR6 – default with ALB.
7 CSL50 – max for 12V.

Ordering Information

Example: **4427 P641000I 120 NSP CLC BM ALB RSR10 CSL100**

Model	Lamp type	Voltage	Distribution[2]	Lens	Mounting	Mounting accessories[4]	Cord set length	Lamp	Options
4427	**P64500I** **P641000I**[1]	**120**	**MFL** Medium flood **NSP** Narrow spot **WFL** Wide flood	**CLC** Convex lens clear[3] **CLA** Convex lens amber **CLB** Convex lens blue **CLG** Convex lens green **CLR** Convex lens red	**BM** Base mount **YM** Yoke mount* * Consult www.hydrel.com for yoke mount dimensions.	**ALB** Adjustable locking base **RSR** 4″-24″ riser stem available in 2″ increments[5]	**CSL** ___ 10′-120′ of cord available in 5′ increments	**LPI** Lamp included	**CSA** CSA Certified

NOTES:
1 P641000I – default.
2 Lamp distribution based on lamp manufacture availability.
3 CLC – default.
4 Mounting accessories with BM only.
5 RSR6 – default with ALB.

Ordering Information

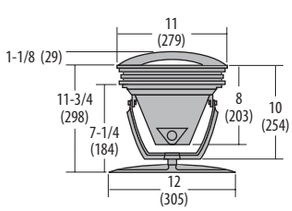
Example: **4800 100Q 120 FL CLC BM CSL90 LP**

Model	Lamp type[1]	Voltage	Distribution[3]	Lens	Mounting	Cord set length	Lamp	Options
4800	Incandescent **100Q** **150Q** Low voltage **M75**	**12**[2] **120**	**FL** Flood	**CLF** Convex lens frosted **CLC** Convex lens clear[4] **CLA** Convex lens amber **CLB** Convex lens blue[5] **CLG** Convex lens green[5] **CLR** Convex lens red	**BM** Base mount **YM** Yoke mount* * Consult www.hydrel.com for yoke mount dimensions.	**CSL** ___ 35′-120′ of cord available in 5′ increments[6]	**LP** Lamp installed	**CSA** CSA Certified

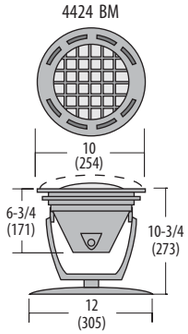
NOTES:
1 Other wattages available by request.
2 Transformer sold separately.
3 Distribution included on 12V only.
4 CLC – default.
5 CLB and CLG not available with 150Q.
6 CSL50 max. cord length for 12V.

** Consult www.hydrel.com for yoke mount dimensions.*

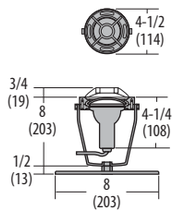
4427 BM



4424 BM



4800 BM





Fountain

4415 NM
4424 NM
4800 NM

Intended Use

Lighting for fountains and reflecting pools – niche mount.

Ordering Information

Example: **4415 3/M50 12 FL NM 34B RG CSL50 LPI**

Model	Lamp type	Voltage	Distribution	Mounting	Conduit entries	Accessories[4]	Cord set length	Lamp
4415	Incandescent **116I** **200QT3** **300QT3** Low voltage[1] **3/M50** **3/M75**	**12**[2] **120**	**FL** Flood[3]	**NM** Niche mount	**34S** 3/4" NPT side	**LLV** Louver **RG** Rock guard	**CSL** ___ 35'-120' of cord available in 5' increments[5]	**LPI** Lamp included

NOTES:
1 Available in 12V only.
2 Transformer sold separately.
3 Other distributions available on 3/M50 and 3/M75 only.
4 Either LLV or RG required for floor-mounted fixtures.
5 CSL50 max. cord length for 12V fixtures.

Ordering Information

Example: **4424 P56500I 120 MFL CLC NM 34B CSL120 LPI**

Model	Lamp type	Voltage	Distribution	Lens	Mounting	Conduit entries	Accessories	Cord set length	Lamp	Options
4424	Incandescent **P56300I** **P56500I** Low voltage[1] **P56240ILV** **P56300ILV**[2]	**12**[3] **120**	**MFL** Medium flood **NSP** Narrow spot **WFL** Wide flood	**CLC** Convex lens clear[4] **CLA** Convex lens amber **CLB** Convex lens blue **CLG** Convex lens green **CLR** Convex lens red	**NM** Niche mount	**34B** 3/4" NPT bottom	**RG** Rock guard[5]	**CSL** ___ 35'-120' of cord available in 5' increments[6]	**LPI** Lamp included	**CSA** CSA Certified

NOTES:
1 Available in 12V only.
2 P56300ILV (12V) and P56500I (120V) default.
3 Transformer not included.
4 CLC – default.
5 RG required for floor-mounted fixtures.
6 CSL50 max. cord length for 12V.

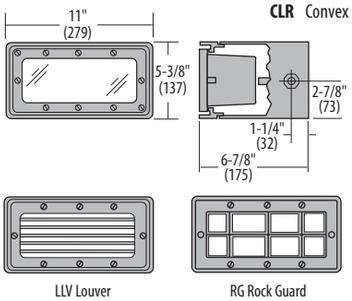
Ordering Information

Example: **4800 RD SS 100Q 120 FL CLC NM 3445B CSL75 LP**

Model	Door[1]	Material	Lamp type	Voltage	Distribution[5]	Lens	Mounting	Conduit entries	Accessories	Cord set length	Lamp	Options
4800	**RD** Round **SQ** Square	**B** Bronze **SS** Stainless steel[2]	Incandescent **100Q** **150Q** Low voltage **M75**[3]	**12**[4] **120**	**FL** Flood	**CLF** Convex lens frosted **CLC** Convex lens clear[6] **CLA** Convex lens amber **CLB** Convex lens blue[7] **CLG** Convex lens green[7] **CLR** Convex lens red	**NM** Niche mount	**3445B** 3/4" at 45°	**RG** Rock guard[8]	**CSL** ___ 35'-120' of cord available in 5' increments[9]	**LP** Lamp included	**CSA** CSA Certified



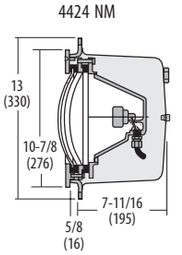
4415 NM



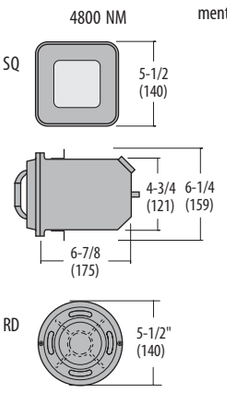
LLV Louver

RG Rock Guard

4424 NM



4800 NM



NOTES:
1 RD door adjustable, SQ door fixed.
2 SS material not available with rock guard.
3 Other voltages available by request.
4 Transformer sold separately.
5 Distribution included on 12V only.
6 CLC – default.
7 CLB and CLG not available with 150Q.
8 RG required for floor-mounted fixtures.
9 CSL50 max. cord length for 12V.

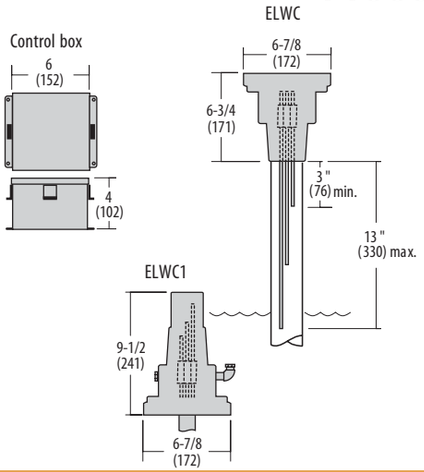
Underwater Accessories

Complementing their underwater lights, is Hydrel's full line of accessories is manufactured to the high standards required for underwater fountain and pool products.

Electronic Water Level and Cut-Off Controls

Model #	
ELWC	Deck and remote mount
ELWC1	Conduit mount





Colored Lenses

Green, red, amber and blue available for most fixtures.



Potting Compound

PC21 is a re-enterable potting compound which pours yellow and cures transparent so connections are easily located. It meets NEC requirements for potting underwater junction boxes.

Model #	
PC21	35 CU. IN.
PC2112	20 CU. IN.



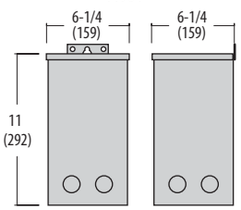
Low Voltage Transformers

Low voltage lighting fixtures require that the line voltages be stepped down. This is normally accomplished with a transformer or a series of transformers located in the pool equipment area. Hydrel offers such parts in sizes from 300 to 1000 watts.

NOTE: Special consideration must be given to the length of cords used with low voltage underwater fixtures.



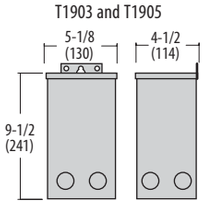
T1904



Model #	
T1903	300-watt transformer
T1904	1000-watt transformer
T1905	500-watt transformer



T1903 and T1905



Underwater Accessories

Underwater Junction Boxes

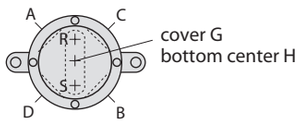
Hydrel underwater junction boxes are designed for the connection of supply cords from underwater fountain fixtures and service conduits. They feature heavy cast bronze construction, neoprene gaskets, internal ground lugs and stainless steel hardware.

All hubs may be tapped either 1/2" NPT or 3/4" NPT with other drillings available upon request. When ordering, specify the catalog number, hub location and hub size.

Letters around perimeter indicate side drill locations. Letters within box indicate bottom drill locations.



JB1701



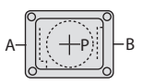
Outside dimensions:
4 3/4″ (121) dia. x 3″ (76) deep

Inside dimensions:
3 1/2″ (89) dia. x 2″ (51) deep
(25 cubic inches)

Cover may have single 1/2″ or 3/4″ hub.
Bottom may also have single 1″ hub.



JB1703

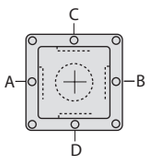


Outside dimensions:
3 3/8″ (86) x 4 3/8″ (111) x 2 1/2″ (64) deep

Inside dimensions:
3″ (76) x 2″ (51) x 2″ (51) deep
(12 cubic inches)



JB1705

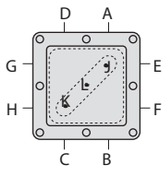


Outside dimensions:
4 3/4″ (121) sq. x 2 1/2″ (64) deep

Inside dimensions:
3″ (76) sq. x 2″ (51) deep
(18 cubic inches)



JB1706

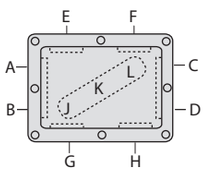


Outside dimensions:
5 3/8″ (137) sq. x 2 1/2″ (64) deep

Inside dimensions:
4″ (102) sq. x 2″ (51) deep
(32 cubic inches)



JB 1708



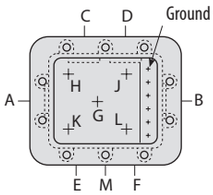
Outside dimensions:
7 3/8″ (188) x 5 3/8″ (137) x 2 1/2″ (64) deep

Inside dimensions:
6″ (153) x 4″ (102) x 2″ (51) deep
(48 cubic inches)

Bottom may have single 1" or 1 1/4" hub.



JB1710

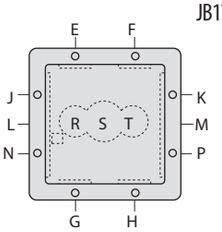


Outside dimensions:
7 5/8″ (194) x 6 1/2″ (165) x 4 7/16″ (113) deep

Inside dimensions:
5 3/16″ (132) x 4 1/8″ (105) x 3 11/16″ (94) deep
(62 cubic inches)



JB1711



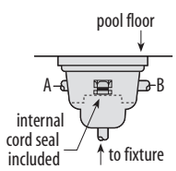
Outside dimensions:
7 5/8″ (194) sq. x 4 3/4″ (121) deep

Inside dimensions:
6″ (153) sq. x 4″ (102) deep
(144 cubic inches)

Bottom may have maximum three 1" hubs or two 1 1/4" hubs or one 2" hub.



JB1713



Outside dimensions:
4 1/2″ (115) dia. x 3 5/8″ (93) deep

Inside dimensions:
2 3/4″ (71) dia. x 2 1/4″ (58) deep
(10 cubic inches)

Underwater Accessories

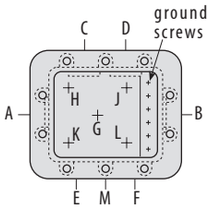
Deck Mounted Junction Box

Specifically designed for deck or remote wall mountings, this deck junction box meets all the requirements of the NEC. It features cast bronze construction, neoprene gaskets, one hub at each end and two hubs on one side. The entire bottom and one side of the box are suitable for drilling. Fasteners are stainless steel.

NOTE: Specify USR strain reliefs for the total number of fixtures. USR sold separately.



JB1719



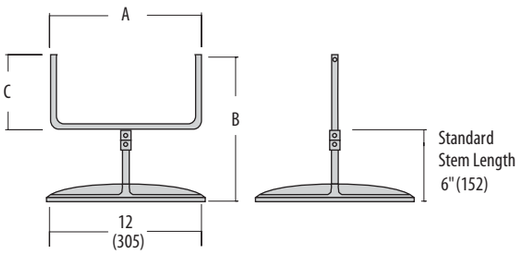
Outside dimensions:
$7\frac{5}{8}$" (194) x $6\frac{1}{2}$" (165) x $4\frac{7}{16}$" (113) deep

Inside dimensions:
$5\frac{3}{16}$" (132) x $4\frac{1}{8}$" (105) x $3\frac{11}{16}$" (94) deep
(62 cubic inches)

ALB - Adjustable Locking Base

This fountain lighting economy base allows for variable fixture height and includes Hydrel's pro-focus aim-set feature. Multiple riser heights available.

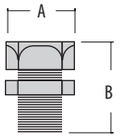
Model	A	B	C
ALB15	$10\frac{1}{2}$ (267)	$12\frac{5}{8}$ (321)	$8\frac{5}{8}$ (219)
ALB21	$7\frac{7}{8}$ (200)	11 (279)	7 (178)
ALB22	$7\frac{11}{16}$ (195)	12 (305)	8 (203)
ALB24	$7\frac{11}{16}$ (195)	12 (305)	8 (203)
ALB27	$7\frac{11}{16}$ (195)	12 (305)	8 (203)



Cord Seals

Constructed of brass with neoprene grommets, these seals are for use in underwater junction boxes for fixture cord entrance seals.

Model	NPT	Cord	A	B
CS14302	$\frac{1}{2}$	18-3	$\frac{7}{8}$	$1\frac{1}{2}$
CS143022	$\frac{1}{2}$	16-3* (3 x 1.5)	$\frac{7}{8}$	$1\frac{1}{2}$
CS14304	$\frac{3}{4}$	18-3	$1\frac{1}{4}$	$1\frac{3}{4}$
CS14303	$\frac{3}{4}$	14-3 (2 x 4)	$1\frac{1}{4}$	$1\frac{3}{4}$
CS143032	$\frac{3}{4}$	12-3	$1\frac{1}{4}$	$1\frac{3}{4}$
CS143033	$\frac{3}{4}$	10-3 (2 x 6)	$1\frac{1}{4}$	$1\frac{3}{4}$

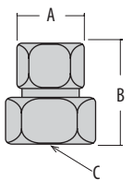


SR Strain Relief

A threaded cord grip that prevents cord movement from pulling on connections. Used where J-box is mounted above the floor or deck.

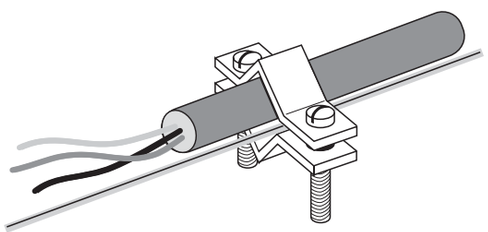
Model	C(NPT)	CORD	A	B
SR50	$\frac{1}{2}$	16-3*	$\frac{7}{8}$	$1\frac{3}{8}$
SR754	$\frac{3}{4}$	18-3	$1\frac{1}{4}$	$1\frac{1}{2}$
SR75	$\frac{3}{4}$	10-3	$1\frac{1}{4}$	$1\frac{1}{2}$

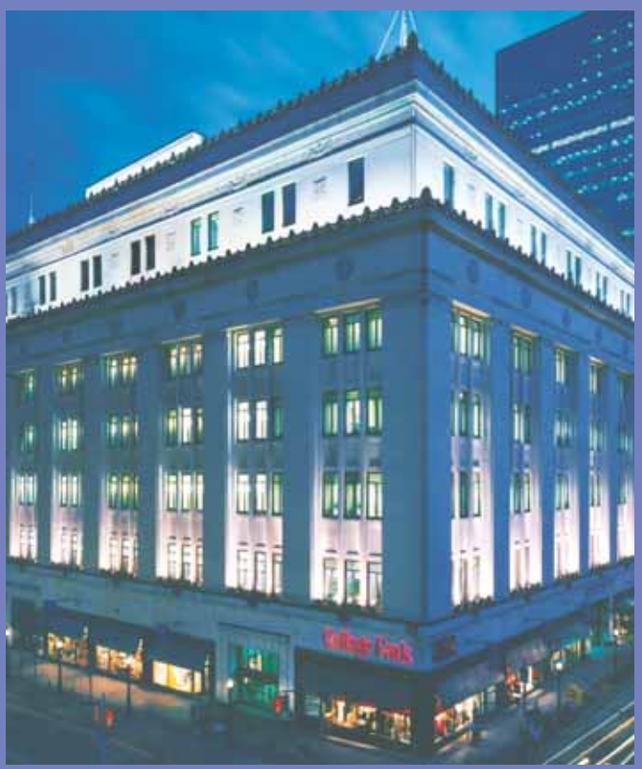
NOTES:
* 18-2/16-1 cord fits SR50 and CS143022 parts.



USR Strain Relief

Universal strain relief (USR). Strain reliefs, used where J-boxes are mounted flush to floor or deck. Specify for the total number of fixtures to be mounted.





Control Systems

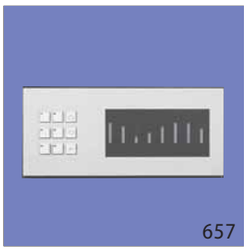
Lithonia Lighting produces a wide range of control systems for both architectural dimming and lighting energy management. These systems are suitable for applications in high-rise office buildings, educational facilities, multi-building complexes, manufacturing plants and sports facilities.

Lighting controls dramatically enhance efficiency by governing the amount of light needed to maintain illuminance levels and by limiting light use to occupied spaces. Lithonia offers a variety of lighting control solutions to meet ASHRAE 90.1 and similar legislation requirements.



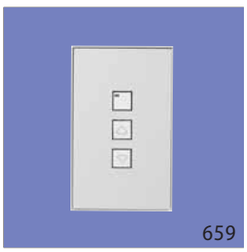


CONTENTS


657



657


659


663


669


671


672


677

Synergy® Lighting Control Systems

System Overview	654
PC Software	656
Digital Wallstations	657
Digital Equinox®	659
Dry Contact Switches	662
SweepSwitch®	662
Relay and Dimming Panels	663
Controllable Breaker Panels	669
System Accessories	670

SwitchPak® 671

Litronic® Occupancy Sensors 672

Wallbox Dimmers

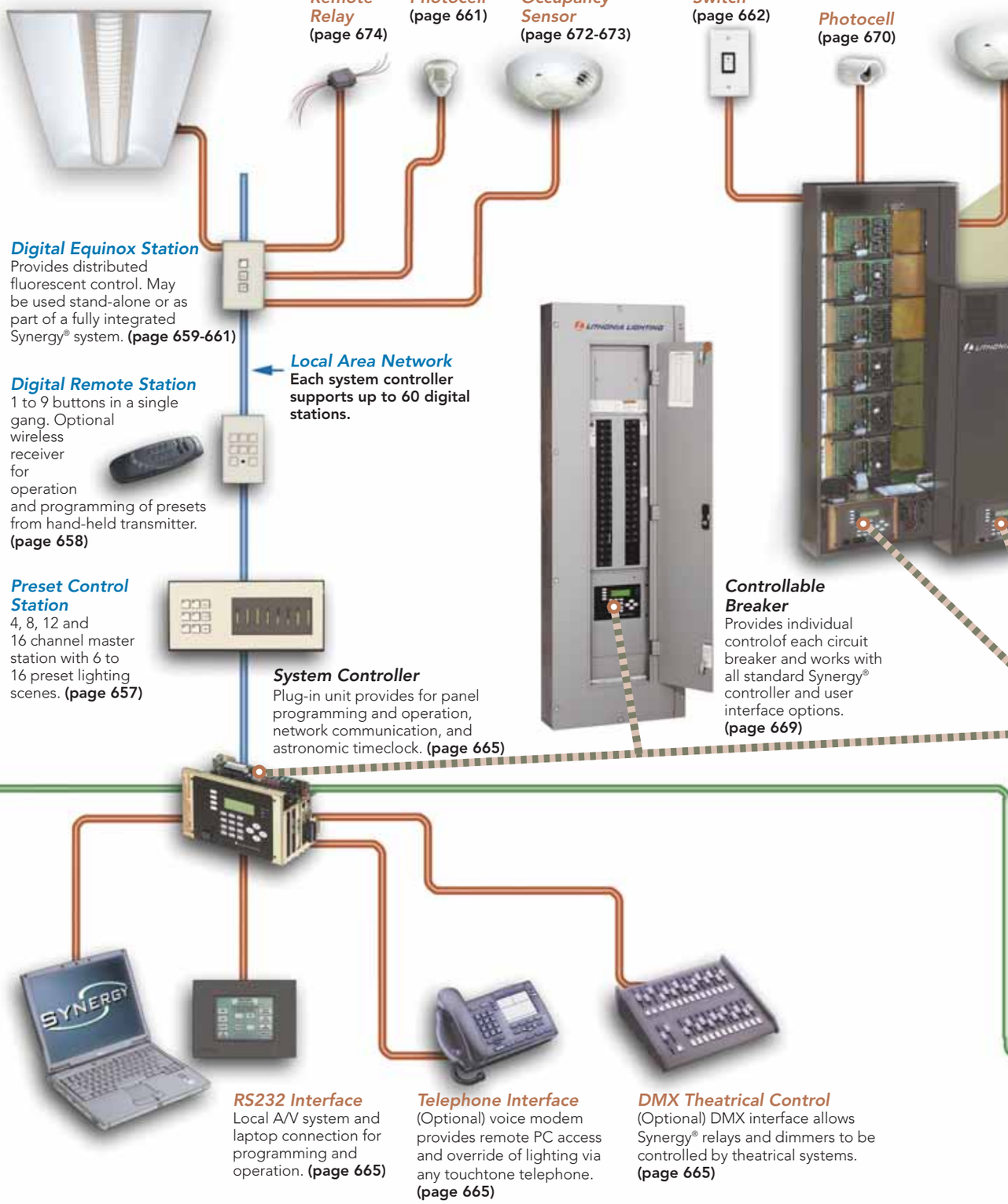
Sequel IDC	675
DSD	677
ISD	678

Remote Dimmers 676

Fluorescent Dimming Guide 680

Application	Solution		
	Good	Better	Best
Building-wide Control		SwitchPak w/ SR option **page 671** (on/off control only)	Synergy MLX **pages 654-670** (on/off and dimming control)
Energy Management - on/off only	Occupancy Sensors **pages 672-674** SweepSwitch **page 662**	SwitchPak **page 671** Digital Equinox **page 660**	Synergy MLC or MLX **pages 654-670**
Energy Management - dimming (Daylight Harvesting)	ISD DPC **page 679**	Digital Equinox **page 659**	Synergy MLX **pages 654-670**
Timeclock control	SwitchPak **page 671**	Synergy MLC **pages 657-670**	Synergy MLX **pages 654-670**
Architectural Dimming	Sequel IDC **page 675**	Synergy MLC **pages 657-670**	Synergy MLX **pages 654-670**
Wallbox Dimming	DSD **page 677**	ISD **pages 678-679**	Sequel IDC **page 675**
Classroom Control	Occupancy Sensors **pages 672-674** SweepSwitch **page 662**	SwitchPak **page 671** Digital Equinox **pages 659-660**	Synergy MLX with Digital Equinox **pages 654-670, pages 659-660**
University / College Campus	Occupancy Sensors **pages 672-674**	SwitchPak w/ SR option **page 671**	Synergy MLX with Digital Equinox **pages 654-670, pages 659-660**

Synergy® Lighting Control System Overview

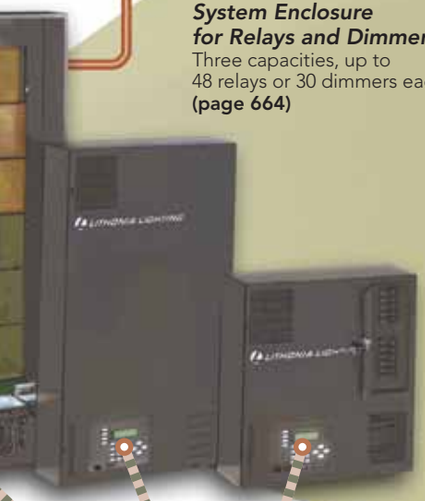


Power Module Options

May be combined within the same enclosure to meet job site requirements



Occupancy Sensor
(page 672-673)



System Enclosure for Relays and Dimmers
Three capacities, up to 48 relays or 30 dimmers each.
(page 664)



Relay Module
Eight single-pole relays with zero-cross switching, plus eight switch and two analog input terminals.
(page 666)



Relays with Breakers
As above with either six 120V, four 277V or four 347V branch circuit breakers.
(page 666)



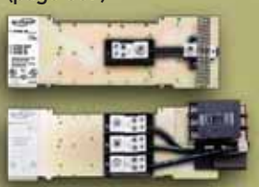
Dimmer Module
Six universal load digital dimmers suitable for 120V or 277V incandescent, fluorescent, low voltage, neon, cold cathode and non-dim loads.
(page 666)



DALI Control Module
Network controllers and power supplies for three DALI networks.
(page 667)



Ballast Control Module
Eight channels of 0-10VDC dimming with integrated 20A relays for four-wire dimming ballasts. Available with 120V, 277V and 347V circuit breakers.
(page 667)



Tap Feed Lug Option
Allows several Synergy enclosures to share a single main feed up to 400 amps three phase. **(page 668)**

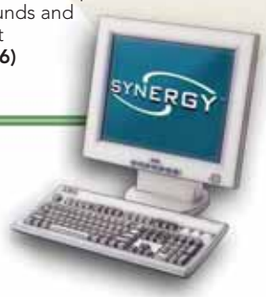


Interactive Graphics
Monitor and control entire lighting system via virtualcontrol panel screens created with simple on-board tools, or import graphic image backgrounds and floorplans to suit project requirements. **(page 656)**



Synergy® CONFIG Software
Configure, control and monitor Synergy® lighting control panels on-site or remotely via phone lines or WAN with this easy-to-use Windows® application.
(page 656)

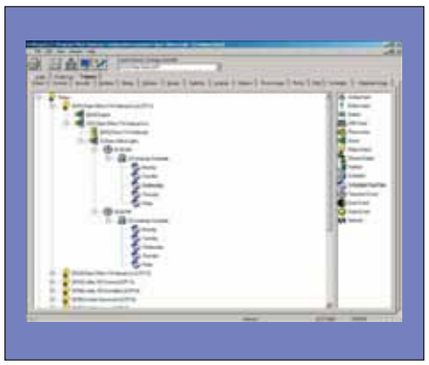




BACnet WAN
Allows over 4 million Synergy® panels to interact as an integrated system using BACnet, the ANSI and ISO standard for building automation.

System Configuration Software

SYSW CONFIG



Intended Use

PC-based Windows™ application used to configure a Synergy® system equipped with MLX controllers (page 665). Allows on-site or remote programming and configuration of all system parameters and schedules.

Features

Utilizes a familiar Windows™ graphical user interface to provide easy access to all system data. A simple tab-based navigation scheme allows the user to reach most configuration screens with a single click of the mouse. Access privileges for different software features can be set up for multiple users through the use of administrator-defined login IDs and passwords.

Online mode allows real-time monitoring and override of input and load status as well as diagnostic functions.

Connection to the system may be made with the supplied RS-232 cable through the front-mounted DB-9 connector on any system controller, or directly over the BACnet™ network (optional network interface card may need to be installed on PC). A connection may also be made from a remote site using standard telephone lines via the PHONE option on the controller (see page 665) and a PC equipped with a telephone modem.

Minimum hardware requirements are a 266MHz Pentium™ II class PC running Windows™ 2000 or later operating system with 128 MB RAM, 30 MB free disk space and 800 x 600 video resolution.

Ordering Information

Example: **SYSW CONFIG**

Series	
SYSW CONFIG	Synergy® configuration software

Graphical Interface Software

SYSW GRAPHIC



Intended Use

Adds real-time control and monitoring capabilities to a Synergy® system through the use of a flexible graphical interface. Runs as a fully integrated component of the SYSW CONFIG software (above) installed on a desktop, laptop or panel PC connected to the system via an RS-485, Ethernet or wireless network connection.

Features

Provides intuitive and interactive point-and-click control of loads with status feedback and remote diagnostic capability. Simple setup and configuration options allow the creation of floor-plan-based, button-based or combination screens. Flexible control options allow graphical objects to directly monitor and override all system inputs (switches, photocells, digital stations), outputs (relays, dimmers, controllable breakers, DALI devices) room partitions and load groups. Integrated scheduling module allows the creation of temporary, PC-based schedules for special events.

Over 32,000 screens may be configured and the number of control objects per screen is limited only by screen resolution. Control screens may be user-configured in the field or ordered factory-prepared to client specifications via the SYSW SCREEN accessory.

Ordering Information

Example: **SYSW GRAPHIC**

Series	
SYSW GRAPHIC	Synergy® graphical user interface

Accessories	(Order separately)
SYSW SCREEN	Factory-prepared SYSW GRAPHIC screen per user specifications. Indicate quantity of screens required.
LSA PC	PC workstation suitable for system configuration or graphics. Contact factory for mounting and touchscreen options.

SQCS

Intended Use

Provide manual dimming and preset lighting control for architectural dimming applications. Offered in a variety of styles and architectural finishes suitable for virtually any application. May be daisy-chained together with SYRS digital remote stations (page 658) for multi-location control.

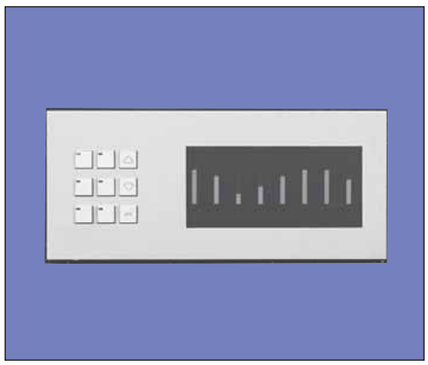
Features

Functions – Master raise and lower buttons adjust the intensity of all lights dimmed from the station. Channel raise and lower buttons adjust the intensity level of individual channels. LED bar graph displays intensity level. Select button saves presets and fade time is adjustable for each preset scene. Preset button saves and activates presets. Off function turns off all channels.

Integral dry contact closure interface allows access to 16 presets and master raise/lower and off functions for A/V systems and auxiliary equipment.

Installation: 4- and 8-channel stations mount in Lithonia #SQCS 5GB or RACO 699 five-gang backbox; 12- and 16- channel stations mount in Lithonia #SQCS 8GB backbox. Stations connect to a Synergy® system controller (page 665) via the four wire A4 control station network wire (page 670) which can be shared by up to 60 SQCS and SYRS (page 658) wallstations per system controller.

Classification – Class 2 low voltage device.



Ordering Information

Example: **SQCS 6P 4C BJ4 TR**

Series

SQCS	Sequel® control station

Number of presets and channels

6P 4C	6 presets, 4 channels
6P 8C	6 presets, 8 channels
6P 12C	6 presets, 12 channels
6P 16C	6 presets, 16 channels

Finish

BJ4	Brushed stainless steel, black buttons
WC2	Painted white, white buttons
IE3	Painted ivory, ivory buttons
BL4	Painted black, black buttons[1]
BF4	Polished brass, black buttons[1]

Wallplate style

SD	Solid
TR	Translucent

NOTES:
1 Additional delivery time and/or cost may be associated.

Accessories (Order separately)

SQCS 5GB	5 gang backbox for 4-channel and 8-channel stations
SQCS 8GB	8 gang backbox for 12-channel and 16-channel stations
BKLE	Engraved button cap (specify button color and wording)

Series	*Width*	*Thickness*	*Height*	*Weight*
SQCS 4C	10-1/8 (257)	1/4 (6)	4-5/8 (117)	2-1/2 (1.13)
SQCS 8C	10-1/8 (257)	1/4 (6)	4-5/8 (117)	2-1/2 (1.13)
SQCS 12C	15-7/16 (392)	1/4 (6)	4-5/8 (117)	4 (1.8)
SQCS 16C	15-7/16 (392)	1/4 (6)	4-5/8 (117)	4 (1.8)

Dimensions are shown in **inches (millimeters)** or **pounds (kilograms)** unless otherwise noted.

SYA LCD

Intended Use

Used in conjunction with a Synergy® system equipped with SYSC MLX controllers (page 665) to provide system-wide configuration, monitoring and override of lighting zones

Features

8.0" full-color TFT touchscreen graphical interface may be configured with floorplan-based or button-based screens. Flexible control options allow graphical objects to monitor and override any system input, output or load group as needed to satisfy project requirements. Screens may be field or factory configured.

Listings

UL Listed to US and Canadian safety standards.



Ordering Information

Example: **SYA LCD**

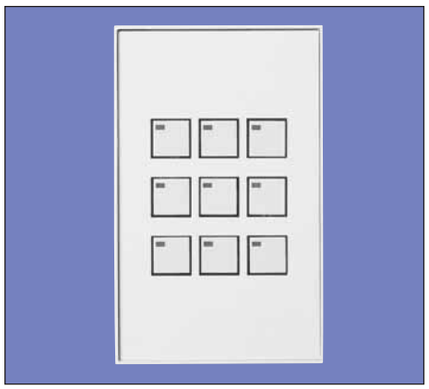
Series

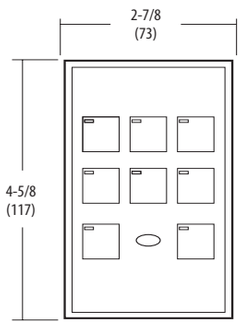
SYA LCD	8.0" full color touch screen user interface (May be wall or panel mounted)[1]

NOTES:
1 Other screen sizes and mounting options are available. Consult factory for information.

Digital Remote Wallstation

SYRS





Dimensions are shown in **inches (millimeters)** unless otherwise noted.

Intended Use

Provides a convenient means to add pushbutton controls for on/off, preset, raise/lower, partition control or other user interface to a Synergy® lighting control system. IR option adds an infrared receiver for use with SYWR wireless remote transmitters (below).

Features

Stations are single gang, screwless appearance and are available with 1 to 9 buttons in a variety of painted and metallic finishes. Button caps can be engraved with labels having up to two lines of text. Buttons may be field configured via the Synergy® system controller (page 665) to satisfy a wide variety of project requirements. Integral LED indicator on each button provides status. An optional infrared receiver adds capability for operation and programming of station functions from an accessory SYWR wireless hand held transmitter or programmer (below).

Installation: wallstation mounts in Lithonia #SYRS 1GR or Steel City #52C13 plaster ring. Stations connect to a Synergy® system controller via the four wire SYA CABLEA4 (page 670) control station network wire which can be shared by up to 60 SYRS and SQCS (pages 657-658) stations per system controller.

Classification – Class 2 low voltage device.

Ordering Information

Example: **SYRS 1G 9BT BJ4**

Series	Number of gangs	Number of buttons	Finish	Options
SYRS	**1G** 1 gang	**_BT** (1 to 9)	**BJ4** Brushed stainless steel **WC2** Painted white **IE3** Painted ivory **BL4** Painted black[1] **BF4** Polished brass[1]	**IR** Infrared receiver, even number of buttons only.

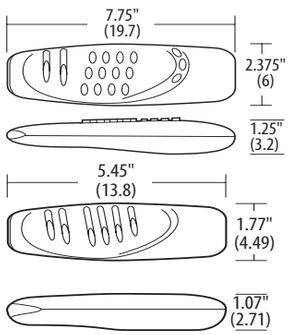
NOTES:
1 Additional delivery time and/or cost may be associated.

Accessories	(Order separately)
SYRS 1GR	Plaster ring, mounts to grounded 4" box (by others)
BKLE	Engraved button cap (specify button color and wording)

Infrared Wireless Transmitter and Scene Programmer

SYWR





Dimensions are shown in **inches (millimeters)** unless otherwise noted.

Intended Use

Used for wireless remote control of lighting functions in a Synergy® system. Operates in conjunction with the optional infrared receiver on the SYRS digital remote wallstation (above). The HHP version is useful in providing preset dimming control without the need for an SQCS control station.

Features

The SYWR 6B six-button transmitter provides remote activation of four presets, master raise/lower and master on/off. The SYWR HHP handheld programmer permits the saving and activation of 12 lighting preset scenes, the manual control of up to 12 dimming channels, master raise/lower and master on/off. Preset scenes configured and saved with the HHP may be recalled from buttons on the wallstation.

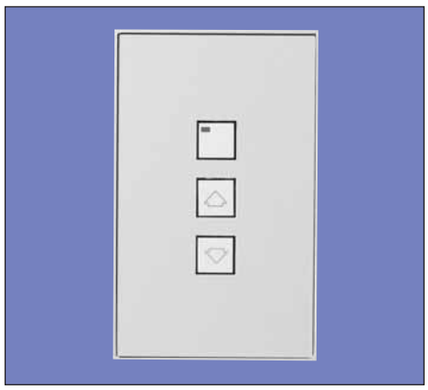
Ordering Information

Example: **SYWR HHP**

Series	Type
SYWR	**6B** 6-button remote transmitter **HHP** 12-button hand-held programmer

SYRS EXT

Digital Equinox®



Intended Use

Ideal for applications which require manual and automatic control of fluorescent or HID lighting equipped with compatible 4-wire (0-10V) electronic dimming ballasts. Wall-mounted control station provides local on/off, manual dimming and automated daylight dimming control in localized applications. May be used as a stand-alone room controller or connected to a Synergy® system for timeclock control and integration with a building automation system.

Features

Microprocessor-based wallstation incorporates one of the most advanced and easiest to configure daylight harvesting algorithms in the industry. When used with Litronic® Series occupancy sensors (pages 672-673), all settings either adjust automatically to actual room usage or are set at the station, eliminating costly "ladder time" spent making adjustments on the sensors themselves. Local switching is provided by LPCS Series power pack(s) (page 674), eliminating the need for home run wiring back to panel mounted relays.

When connected to a Synergy® system, all station buttons, inputs and outputs are fully programmable from the Synergy® controller or software and, like all Synergy® inputs and outputs, fully accessible to BACnet™ building automation systems. This allows daylight harvesting and dimming to be fully integrated into the building control system more simply and economically than ever before. Room switching and dimming parameters can be easily incorporated into a time schedule, dimming preset, or progressive load shedding strategy for maximum occupant comfort and energy savings.

Classification – Class 2 low voltage device.

Ordering Information

Example: **SYRS 1G 3BT BJ4 EXT**

Series

SYRS

Number of gangs

1G 1 gang

Number of buttons

Stand-alone

3BT 3 buttons

Synergy®

1BT 1 button
3BT 3 buttons
5BT 5 buttons
7BT 7 buttons
9BT 9 buttons

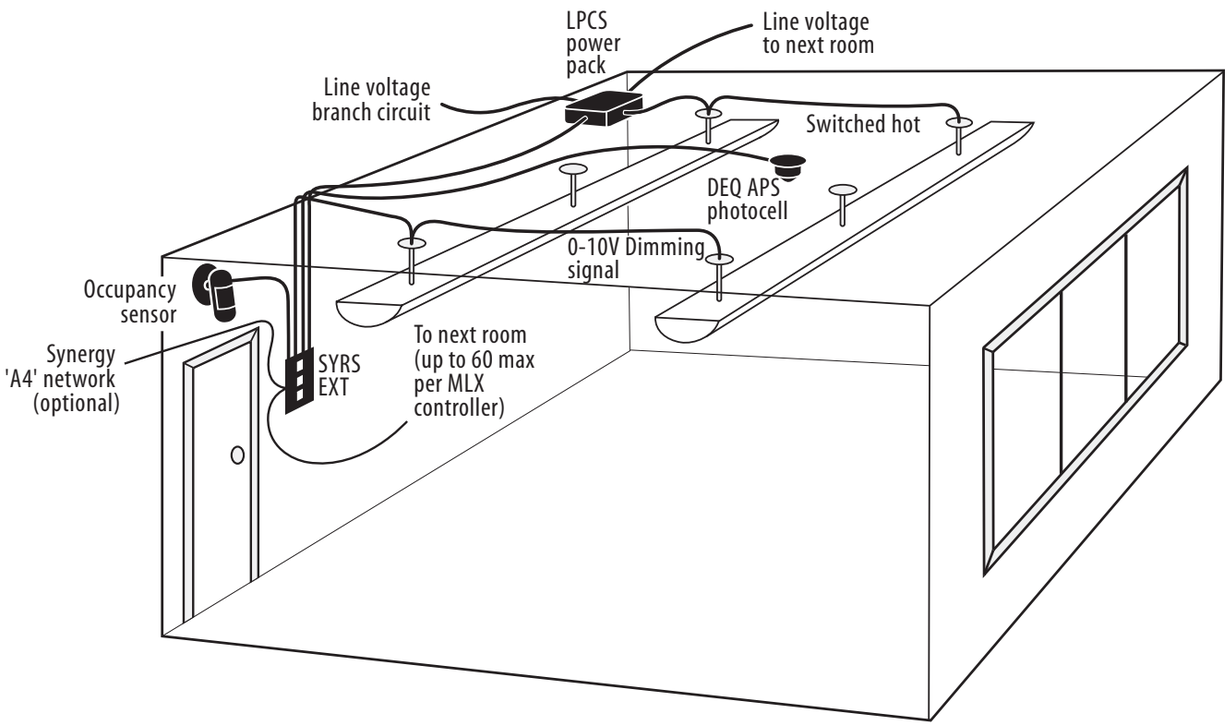
Finish

BJ4 Brushed stainless steel
WC2 Painted white
IE3 Painted Ivory
BL4 Painted black[1]
BF4 Polished brass[1]

Type

EXT External inputs for occ. sensor and photocell, outputs for LCPS and 0-10V dimming ballast.

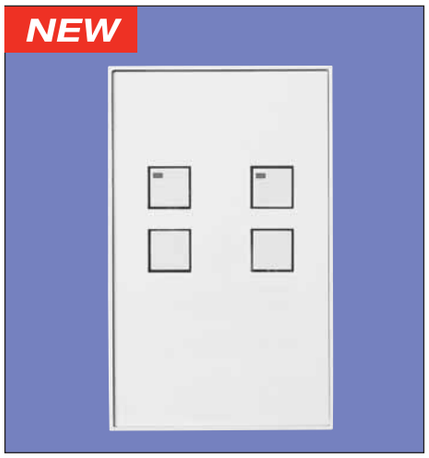
NOTES:
1 Additional delivery time and/or cost may be associated.



Dual Switch Wallstation

SYRS EXTDS

Digital Equinox®



Intended Use

Ideal for applications which require manual and automatic control of RT5™ fluorescent fixtures equipped with step-dimming ballasts, fluorescent fixtures wired for inboard/outboard switching or two independent lighting zones. Wall-mounted control station provides local manual control with fully integrated occupancy sensor and photocell inputs for automated energy management. May be used as a stand-alone room controller or connected to a Synergy® system for timeclock control and integration with a building automation system.

Features

Microprocessor-based wallstation provides intuitive manual control of bi-level lighting. Compatible with all Litronic® Series occupancy sensors (pages 672-673) for easy code compliance in a variety of applications.

Use LPCS Series power packs (page 674) to switch up to two full 20A circuits on each zone, eliminating the need for home run wiring back to panel mounted relays.

When connected to a Synergy® system, all station buttons, inputs and outputs are fully programmable from the Synergy® controller or software and, like all Synergy® inputs and outputs, fully accessible to BACnet™ building automation systems. This allows daylight harvesting and remote switching to be fully integrated into the building control system more simply and economically than ever before. Relays and buttons in each room can be easily incorporated into a time schedule, dimming preset or progressive load shedding strategy for maximum occupant comfort and energy savings.

Classification – Class 2 low voltage device.

Ordering Information

Example: **SYRS 1G 4BT BJ4 EXTDS**

Series
SYRS

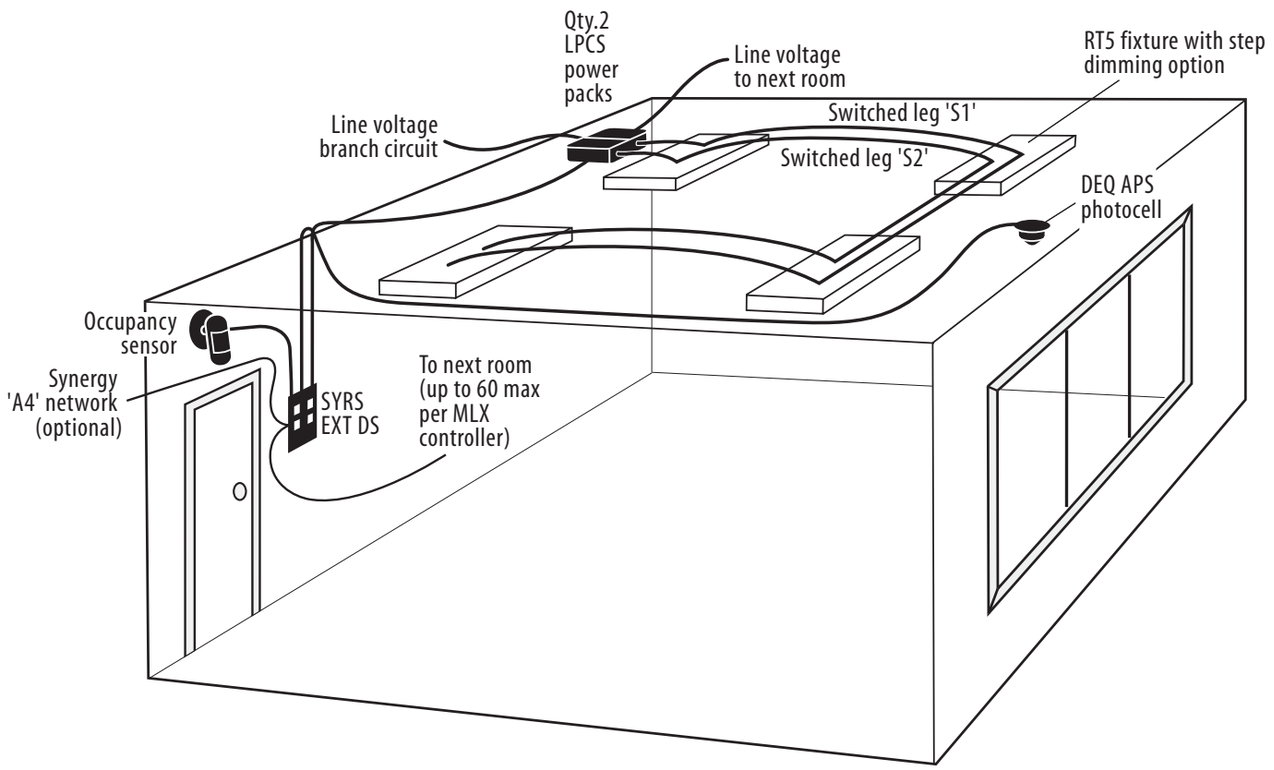
Number of gangs
1G 1 gang

Number of buttons
Stand-alone
4BT 4 buttons
Synergy®
2BT 2 buttons
4BT 4 buttons
6BT 6 buttons
9BT 9 buttons

Finish
BJ4 Brushed stainless steel, black buttons
WC2 Painted white, white buttons
IE3 Painted ivory, ivory buttons
BL4 Painted black, black buttons[1]
BF4 Polished brass, black buttons[1]

Type
EXTDS External inputs for occ. sensor and photocell, two outputs for LCPS power packs.

NOTES:
1 Additional delivery time and/or cost may be associated.



DEQ LC

Digital Equinox®



Intended Use

Integrates a localized zone of fluorescent lighting equipped with compatible four-wire electronic dimming ballasts into a Synergy® system. Plenum-mounted DEQ LC load controller provides on/off, dimming and automated daylight dimming control for a single lighting zone when a wall-mounted control station is not desired.

Features

The DEQ LC installs in the plenum above the area to be controlled in place of the cover on a standard 4" or 5" square junction box.

DEQ LC load controller acts as a hub for the connection of the low voltage DEQ APS photocell (below), Litronic® occupancy sensor (pages 672-673), LPCS power control station (page 674) and 0-10V dimmable ballast control leads. If desired, a standard wall switch can be used for local on/off operation making the control system totally unobtrusive to the user.

When connected to a part of a Synergy® system, the DEQ LC can share status, set point and override functions with all Synergy® system controllers, PC graphics and other building control systems through the BACnet™ protocol.

Ordering Information

Example: **DEQ LC**

Series	
DEQ LC	Digital Equinox® load controller

DEQ APS

Digital Equinox®



Intended Use

Low voltage sensor used to provide ambient light level information to Digital Equinox® load controller or wallstations for indoor daylight harvesting applications.

Features

This speciality photosensor is factory calibrated to accommodate the relatively low light levels normally found on the ceiling in office applications. 360° lens allows the sensor to average the room light level, reducing the effect of reflective or lightly colored items brought into the room or placed on a desk.

Classification – Class 2 low voltage device.

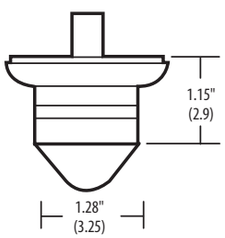
Ordering Information

Example: **DEQ APS IN**

Series	
DEQ APS	Digital Equinox® analog photosensor

Mounting	
IN	Indoor

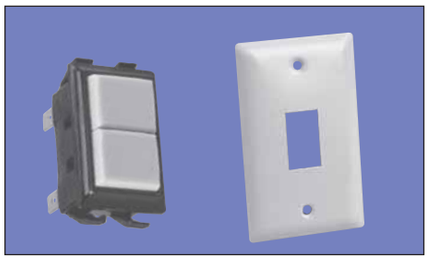
Options	
CNPY	Canopy mount to a 4" square junction box.



Dimensions are shown in **inches (millimeters)** unless otherwise noted.

Low Voltage Momentary Switch

LVMS
WPM



Intended Use

Lithonia LVMS switches and WPM wallplates provide a durable and attractive solution for configuring low voltage control switch assemblies. Switches snap-fit into the wallplates and are supplied with push-on connectors for low voltage wire connections. Wallplates are offered in a variety of sizes and configurations and may be engraved with customer-supplied labels. Use with Synergy® or SwitchPak® lighting control panels.

Classification – Class 2 low voltage device.

Ordering Information

Example: **LVMS PILOT WH**

Series	Options				Color	
LVMS	(blank)	Standard switch	**FILLER**	Snap-in blank filler	**IV**	Ivory
	PILOT	Pilot light switch	**PILOT KEY**	Key-operated switch with pilot	**WH**	White
	KEY	Key operated switch				

Ordering Information

Example: **WPM 1G 4MS WH**

Series	Number of gangs	Number of openings	Finish	Options
WPM	**_G** 1 to 10[1]	**_MS** 1 to 20[2]	**BS** Brushed stainless	**LE** Custom labeling[3]
			WH Painted white	
			IV Painted ivory	

NOTES:
1. Plates larger than four gangs may have longer lead times.
2. Must equal the number of gangs (one switch per gang) or two times the number of gangs (two switches per gang).
3. Two lines, seven characters per line for two switches per gang plate or two lines, 12 characters per line for one switch per gang plate.

Low Voltage Decora® Switch

LVDS
DSA FP



Intended Use

Lithonia LVDS switches and DSA wallplates provide a durable and attractive low voltage switch solution with a standard strap-mount form factor and designer styling. Switches may be ganged with other Decora® style devices. DSA wallplates are offered in a variety of sizes and finishes. Use with Synergy® or SwitchPak® lighting control panels.

Classification – Class 2 low voltage device.

Ordering Information

Example: **LVDS WH**

Series	Color		
LVDS	**WH** White	**GY** Gray[1]	**AL** Almond[1]
	IV Ivory	**BK** Black[1]	

Ordering Information

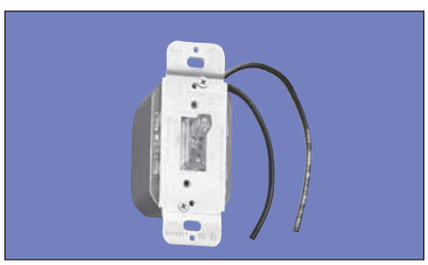
Example: **DSA FP D1 WH**

Series	Number of openings	Color		
DSA FP	**D_** 1 to 6	**WH** White	**GY** Gray[1]	**AL** Almond[1]
		IV Ivory	**BK** Black[1]	**BR** Brown[1]

NOTES:
1. Additional delivery time and/or cost may be associated with these premium colors.

SSPL

SweepSwitch®



Intended Use

Provides individual local line voltage override control of lighting in time-based control schemes. Can be used manually to turn lighting on and off in the normal manner. Resets itself automatically to the off position in response to a programmed power interruption signal provided by the lighting control panel.

Works like a standard wall switch for on/off operation. Automatically resets to off when power is removed for approximately five seconds. Switch handle is lighted for easy location in the dark.

Wires to a 120V or 277V circuit switched by a Synergy® or SwitchPak® relay panel like a standard toggle switch, is not line/load sensitive and does not require a neutral connection.

Strap-mount device; mounts in a standard single gang switch box and uses a standard toggle opening wallplate (not included).

Listings

UL Listed. CSA Certified.

Ordering Information

Example: **SSPL 05 277**

Series	Load amperage	Voltage
SSPL	**05** 0.1 to 5.0 amps	**277** 120V or 277V (dual voltage)
	20 1.0 to 20 amps	

www.lithonia.com, keywords: LVMS, LVDS and SSPL

Synergy®



Intended Use

A unique lighting control system that integrates all aspects of lighting control into a single system platform. Combines architectural dimming, low voltage switching, lighting automation and energy management functions into a single scalable package capable of meeting the requirements of virtually any lighting control application.

Features

Combines the most popular aspects of lighting automation with full-featured low voltage switching and architectural dimming functions.

Switching and dimming functions may be controlled manually or scheduled on a weekly or calendar date basis. Functions may be set up using the integral LCD alphanumeric display and keypad or through the use of a personal computer with optional software (page 656).

Panels can operate individually as stand-alone lighting controllers or optionally in a network configuration with distributed intelligence. A choice of system controllers (page 665) allows customization to best meet the requirements and budget of each project.

Provides capacity for a maximum of 48 relays or 30 dimmers per enclosure (pages 666-669). Enclosures can operate in a master/secondary configuration, providing control of up to 96 outputs from a single controller. Relays and dimmers are each rated for control of one lighting circuit at the listed voltage.

Listings

UL Listed to US and Canadian safety standards. California Title 24 certified.

Ordering Information

Example: **SYELB 16RB1 18DBI MLX NBAR DMX**

Series

SYES	Small enclosure, 2 modules max.
SYEM	Medium enclosure, 4 modules max.
SYEL	Large enclosure, 6 modules max.
SYESB	Small enclosure with breaker door, 2 modules max.
SYEMB	Medium enclosure with breaker door, 4 modules max.
SYELB	Large enclosure with breaker door, 6 modules max.

Output quantity/type

_DB1	Qty. 120V 2KW dimmers with six 20A circuit breakers, six dimmers per module
_DB2	Qty. 277V 3.5KW dimmers with four 20A circuit breakers, six dimmers per module
_DB3	Qty. 120V 1.5KW dimmers with six 15A circuit breakers, six dimmers per module
_DB4	Qty. 277V 3.3KW dimmers with four 15A circuit breakers, six dimmers per module
_R	Qty. single pole, 120/277 20A, eight relays per module
_RB1	Qty. single pole 20A relays, six 120V, 20A circuit breakers, eight relays per module
_RB2	Qty. single pole 20A relays, four 277V, 20A circuit breakers, eight relays per module
_RB3	Qty. single pole 20A relays, six 120V, 15A circuit breakers, eight relays per module
_RB4	Qty. single pole 20A relays, four 277V, 15A circuits, eight relays per module
_CB2	Qty. 277V constant breakers, four breakers per module
_CB1	Qty. 120V constant breakers, six breakers per module
_HB6	Qty. single pole 20A relays, four 347V, 20A circuit breakers, eight relays per module
_HB7	Qty. single pole 20A relays, four 347V, 15A circuit breakers, eight relays per module
_F	Qty. 0-10V dimmers with single-pole 20A relays, suitable for 120/277V, eight relays and dimmers per module
_FH	Qty. 0-10V dimmers with single-pole 20A relays, suitable for 120/277 and 347V, eight relays and dimmers per module
_FB1	Qty. 0-10V dimmers with single 20A relays, six 120V, 20A circuit breakers, eight relays and dimmers per module
_FB2	Qty. 0-10V dimmers, single pole 20A relays, four 277V, 20A circuit breakers, eight relays and dimmers per module
_FB3	Qty. 0-10V dimmers, single pole 20A relays, six 120V, 15A circuit breakers, eight relays and dimmers per module
_FB4	Qty. 0-10V dimmers, single pole 20A relays, four 277V, 15A circuit breakers, eight relays and dimmers per module
_FB6	Qty. 0-10V dimmers, single pole 20A relays, four 347V, 20A circuit breakers, eight relays and dimmers per module
_FB7	Qty. 0-10V dimmers, single pole 20A relays, four 347V, 20A circuit breakers, eight relays and dimmers per module
_H	Qty. single pole 20A relays suitable for 120V, 277V or 347V operation, eight relays per module

Controller type

MLC	Basic controller for stand-alone panel operation
MLX	Enhanced controller for network panel operation
SCP	Secondary panel, less controller

Main feed options

(blank)	No tap feed lugs, no main breaker
ML	Tap-feed lugs for powering up to four cabinets from a single main feed. Requires 2 module positions; requires power modules with circuit breakers
MB_	Main breaker, 3 pole, specify # of amps
NBAR	42 circuit neutral bar

Options

(blank)	Panel ships as components consisting of enclosure, power modules and controller
FA	Panel ships fully assembled (controller and relay modules factory-installed in enclosure)
DMX	Dimming interface required for connection to DMX512 control
PHONE	Telephone interface[1]
RO	Remote override, accepts contact closure to force all relays to *full-on* for essential lighting applications[2]
OS	Occupancy sensor compatible inputs for dry contact switches or occupancy sensors[3]
LEGACY	Allows control of legacy MiniPac®, Sequel® and MaxStar® dimmer cabinets[1]

NOTES:

1 Not available with MLC controller.

2 Only required for _R and RB output types. All other modules come standard with RO option.

3 Only required for _R and _RB output types. All other modules come standard with OS option. RO option included when OS option specified.

Accessories (Order separately)

SYA SRE	Recess kit for small enclosures
SYA MRE	Recess kit for medium enclosures
SYA LRE	Recess kit for large enclosures
LSA DOC	Job specific submittal and documentation

SYE



Intended Use

Provides housing and electrical support for the relay power modules, dimmer power modules and system controller in a Synergy® lighting control application.

Features

Synergy® system enclosures are shipped from factory stock in three sizes, accommodating either 2, 4 or 6 power modules (pages 666-668). The enclosures are fabricated from cold rolled steel, are designed for surface wall mounting and carry a NEMA 1 electrical rating.

An optional recessed mounting kit permits the enclosure to be flush-mounted in a six-inch thick wall.

All enclosures are shipped with a factory installed power supply with input terminals provided for either 120, 240 or 277 volts supply voltage. Enclosures intended for use with dimmer modules are supplied with an internal thermostatically controlled cooling fan and a cover with hinged locking door to cover the power module mounted circuit breakers.

A variety of main lug, neutral bar and main breaker options (page 668) are available to configure Synergy® as a bussed three phase or single phase dimming/switching panel.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **SYEM 120/277**

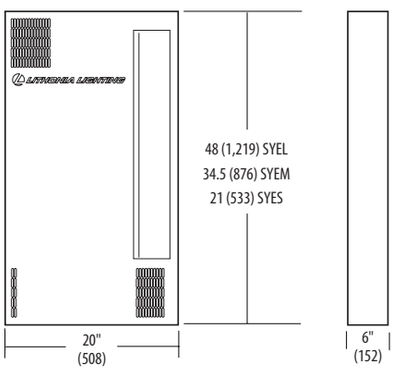
Series	Capacity		Voltage	
SYE	**S**	Small enclosure. 2 power module spaces. No circuit breaker door.	**120/277**	120/240/277V, 50 or 60Hz operation
	M	Medium enclosure. 4 power module spaces. No circuit breaker door.		
	L	Large enclosure. 6 power module spaces. No circuit breaker door.		
	SB	Small enclosure. 2 power module spaces. Provision for circuit breakers[1].		
	MB	Medium enclosure. 4 power module spaces. Provision for circuit breakers.		
	LB	Large enclosure. 6 power module spaces. Provision for circuit breakers.		

NOTES:
1 Maximum one dimmer module.

Shipping Weight:

Small enclosure	30 lbs. (14 kg)
Medium enclosure	40 lbs. (18 kg)
Large enclosure	50 lbs. (23 kg)

Dimensions are shown in **inches (millimeters)** unless otherwise noted. Add 1.5 (40) to height and width for recessed version.



Accessories (Order separately)

SYA SRE	Recess kit for small enclosures
SYA MRE	Recess kit for medium enclosures
SYA LRE	Recess kit for large enclosures
SYPMB NBAR	Neutral bar assembly. Requires one module space (page 668).
SYPMB MB_NBAR	Main breaker assembly with neutral bar, 3-pole. Specify capacity in amps (30, 40, 50, 60, 70, 80, 90, 100). Requires one module space (page 668).

SYSC

Intended Use

Provides user interface, display, clock and logic circuits for a Synergy® lighting control system enclosure and a means to set up lighting control functions, including manual switching, manual and preset dimming, schedules, astronomic time control, photocell switching and daylighting.

Features

Constructed as a plug-in chassis to enhance initial installation and serviceability. Used to set up and save operational features of the system. Provides support for external control devices (Synergy® digital remote stations (page 658), Sequel® preset dimming control stations (page 657), Digital Equinox® devices (page 659-660) and legacy dimmer cabinets (page 676) (optional).

User interface is designed for simple operation using the soft key format popular on automated teller machines. Large back-lit display provides text-based prompting and feedback for menu navigation as well as status, diagnostic information and alarms.

Astronomic feature built into Synergy's internal clock will calculate sunrise and sunset times for use in the lighting schedules. The controller also can read values from accessory photocells and provide automatic switching or dimming of lighting based on the ambient light level.

See the matrix below for additional features and capacities specific to the controller type selected.



Ordering Information

Example: **SYSC MLX**

Series	Controller type		Options	
SYSC	**MLC**	Basic system controller	**ISA**	Three 16-bit ISA expansion slots
	MLX	Network system controller	**PHONE**	Telephone interface for voice-prompted override and remote modem access (requires ISA option)[1]
			DMX	Theatrical dimming interface, required for connection to DMX512 control signal
			LEGACY	Allows control of one complete network (255 dimmers) of legacy MiniPac®, Sequel® and MaxStar® dimmer cabinets. Replaces master controller on existing systems.

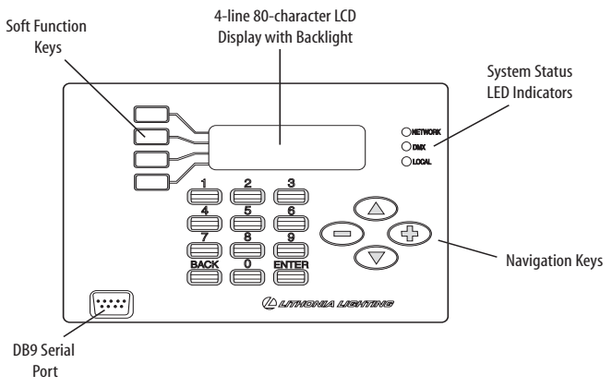
NOTES:
1 No voice-prompted override with SYSC MLC.
2 Not available with SYSC MLC.

Features Selection Matrix

System Function	*MLC Controller*	*MLX Controller*
Relay Capacity (No breakers)	48	48 (96 total with secondary cabinet)
Relay Capacity (With breakers)	40	40 (80 total with secondary cabinet)
Dimmer Capacity	30	30 (60 total with secondary cabinet)
DMX512 Input	DMX channel-to-output configured via hardware settings	DMX channel-to-output configured via controller software
Scheduling	11 schedules, 99 events	100 schedules, unlimited events
Analog Inputs	YES	YES
PC Support	YES	YES
Script Logic	NO	YES
Logging	NO	YES
Priority Logic	NO	YES
Ethernet Network	NO	YES
ARCNET Network	NO	YES
Telephone Override	NO	YES, optional
BACnet®	NO	YES
RS232	YES	YES
Modem	YES, optional	YES, optional
Sequel® Stations	YES	YES
Legacy Dimmers	NO	YES, optional
Digital Remotes	YES	YES

Accessories	(Order separately)
SYA SKIT	Permits two SYE enclosures to operate with a single controller.
SYSW CONFIG	Windows™ configuration software and cable (page 656).[2]
SYA CABLEA4	Class 2, four-conductor, plenum-rated network cable (page 670).
SYA CABLES2	Lithonia plenum-rated RS485 network cable[2] (page 670).

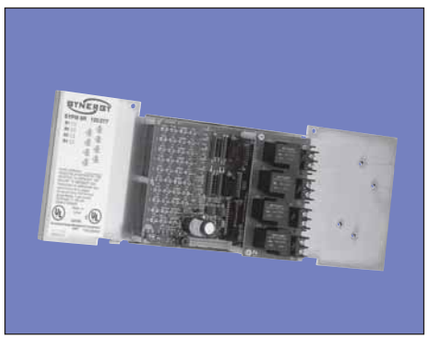
Functional



Shipping Weight is 5.5 lbs. (2.5 kg).

Relay Power Modules

SYPM 8R
SYPM 8H



Intended Use

Used in conjunction with system enclosure and controller (pages 664-665) to provide manual and automatic on/off control of all types of lighting loads. Combine with line voltage dimmer (below), 0-10V and DALI (page 667) modules to create a complete lighting control solution for any application.

Features

Modules include eight 20A relays and are available for 120V to 277V and 120V to 347V applications. Unique zero-cross switching technology minimizes the destructive effects of switching large high-inrush loads, such as electronic fluorescent and HID. All relay module types may be ordered with optional 15A or 20A branch circuit breakers.

Modules are equipped with a pilot light output for each relay, eight low voltage contact switch inputs (see page 662 for available switches) and two analog inputs (see page 670 for photocells). Switch inputs on units ordered with the "OS" option are compatible for direct connection to occupancy sensors (pages 672-673). All inputs are fully configurable through the use of a system controller (page 665) to work with a wide variety of input devices and control any combination of system relays and dimmers. Once configured, all module settings are stored locally and the module will continue to operate in fail-safe mode even if the system controller is removed from the system.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **SYPM 8R**

Series

SYPM	Module for use with external circuit breakers
SYPMB	Module with circuit breakers

Type

8R	Relay module with eight single-pole 20A relays for 120 or 277V operation
8H	Relay module with eight single-pole 20A relays for 120, 277 or 347V operation

Circuit breakers/voltage

(blank)	No circuit breakers
B1	Six 20A, 120V, 10KAIC breakers
B2	Four 20A, 277V, 14KAIC breakers
B3	Six 15A, 120V, 10KAIC breakers
B4	Four 15A, 277V, 14KAIC breakers
B6	Four 20A, 347V, 14KAIC breakers[1]
B7	Four 15A, 347V, 14KAIC breakers[1]

Options[2]

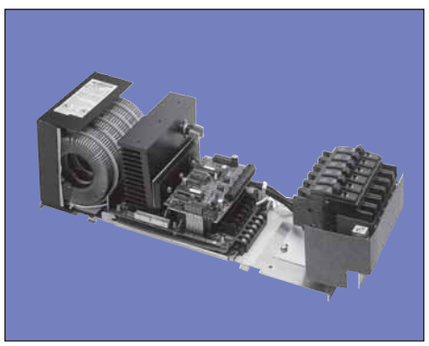
RO	Remote override. Accepts contact closure to force all relays on in essential lighting applications
OS	Occupancy sensor. Eight low voltage inputs for contact switches or occupancy sensors.

NOTES:
1 Only available with SYPMB 8H module.
2 RO option is standard for all modules with OS option; RO and OS options are standard for 8H modules.

Shipping weight is 4lbs. (1.9kg) without breakers and 9lbs. (4.1kg) with breakers.

Line Voltage Dimmer Power Module

SYPMB 6D



Intended Use

Used in conjunction with system enclosure and controller (pages 664-665) to provide manual and automatic on/off and line voltage dimming control of a wide variety of lighting loads. Combine with relay (above), 0-10V and DALI (page 667) modules to create a complete lighting control solution for any application.

Features

Modules include six 20A line voltage dimmers with integral 15A or 20A circuit breakers and are available for 120V, 230V and 277V applications. Each dimmer is equipped with an air-gap relay and an architectural-grade toriodal filter.

All digital design ensures smooth, dependable performance without field calibration. Unique combination of analog circuitry and digital signal processing techniques minimize the effects of poor power quality and prevent noticeable flicker and drift.

Individual dimmer response curves are field configurable to accommodate most lamp and ballast types via the system controller (page 665). Once configured, all module settings are stored locally and the module will continue to operate in fail-safe mode even if the system controller is removed from the system.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **SYPMB 6DB1**

Series

SYPMB

Dimmers

6D	Six dimmers per module

Circuit breakers/voltage

B1	Six 20A, 120V, 10 KAIC breakers
B2	Four 20A, 277V, 14 KAIC breakers
B3	Six 15A, 120V, 10 KAIC breakers
B4	Four 15A, 277V, 14 KAIC breakers
B5	Four 20A, 120V, 65KAIC breakers

Shipping weight is 22lbs. (10kg).

0-10V Fluorescent Dimmer Power Module

SYPM 8F

Intended Use

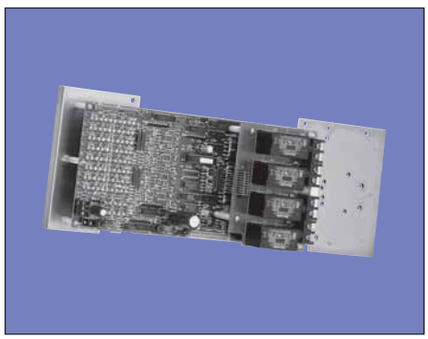
Used in conjunction with system enclosure and controller (pages 664-665) to provide manual and automatic on/off and 0-10V dimming control of compatible four-wire fluorescent and non-dim loads. Combine with DALI (below), relay and line voltage dimmer (page 666) modules to create a complete lighting control solution for any application.

Features

Modules include eight 20A relays and 0-10VDC outputs for dimming ballast control, are available for 120V to 277V or 120V to 347V applications and may be ordered with optional 15A or 20A branch circuit breakers. Unique zero-cross switching technology minimizes the destructive effects of switching high-inrush loads. Each 0-10V output may be used to control up to 50 compatible four-wire ballasts. Modules are equipped with two analog inputs (see page 670) for photocells) and eight low voltage inputs suitable for dry contact switches (page 662) and occupancy sensors (pages 672-673). All inputs are fully configurable through the use of a system controller (page 665) to work with a wide variety of input devices and control any combination of system relays and dimmers. Once configured, all module settings are stored locally and the module will continue to operate in fail-safe mode even if the system controller is removed from the system.

Listings

UL Listed to US and Canadian safety standards.



Ordering Information

Example: **SYPM 8F**

Series

SYPM	Module for use with external circuit breakers
SYPMB	Module with circuit breakers

Type

8F	Ballast module with eight single-pole, 20A relays and eight 0-10VDC analog outputs

Circuit breakers/voltage

(blank)	No circuit breakers suitable for 120V or 277V operation
H	No circuit breakers suitable for 120, 277 or 347V operation
B1	Six 20A, 120V, 10KAIC circuit breakers
B2	Four 20A, 277V, 14KAIC circuit breakers
B3	Six 15A, 120V, 10KAIC circuit breakers
B4	Four 15A, 277V, 14KAIC circuit breakers
B6	Four 20A, 347V, 14KAIC circuit breakers
B7	Four 15A, 347V, 14KAIC circuit breakers

Shipping weight is 4lbs. (1.9kg) without breakers and 9lbs. (4.1kg) with breakers.

DALI Fluorescent Control Power Module

SYPM DALI

Intended Use

Used in conjunction with system enclosure and SYSC MLX controller (pages 664-665) to provide manual and automatic control of compatible devices on a DALI network. Combine with 0-10V (above), relay and line voltage dimmer (page 666) modules to create a complete lighting control solution for any application.

Features

Module includes network controllers and power supplies for three DALI networks (loops) of up to 64 devices each. Connected DALI devices may be configured via the system controller (page 665) for status monitoring and prioritized control by any Synergy® user interface, timeclock schedule or graphical workstation.

Listings

UL Listed to US and Canadian safety standards.



Ordering Information

Example: **SYPM DALI**

Series

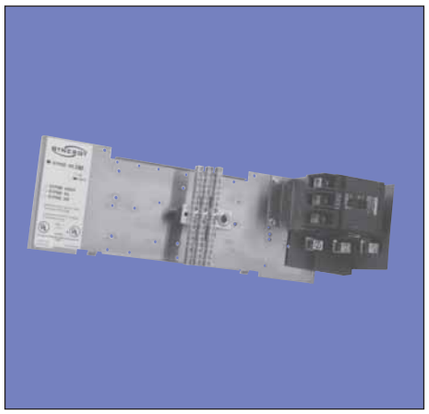
SYPM DALI	Network controller and power supply for three DALI loops

Shipping weight is 4lbs. (1.8kg).

Neutral Bar and Main Breaker Modules

SYPMB NBAR

SYPMB MB_NBAR



Intended Use

Used in conjunction with system enclosure (page 664) and power modules equipped with branch circuit breakers (pages 666 and 667) to facilitate connection of an individual Synergy® cabinet to a three-phase, four-wire or single-phase, three-wire main feed.

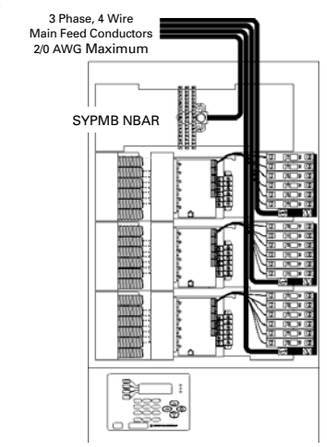
Features

Modules include a 42 circuit neutral bar rated for a #6 to 2/0 AWG main feed and #14 to #4 AWG branch neutral conductors. The neutral bar can be used in 120V, 277V or 347V applications.

The optional main breaker is available in capacities up to 100A and is rated for 120V/240V, 120/208V and 277/480V feeds and conductor sizes up to 2/0 AWG.

Listings

UL Listed to US and Canadian safety standards.



18 Dimmer, 3 Phase, 4 Wire Example

Ordering Information

Example: **SYPMB NBAR**

Series	Main breaker		Neutral bar	
SYPMB	(blank)	No main breaker	**NBAR**	Neutral bar, 42 circuit
	MB_	Main breaker, 3 pole, indicate capacity: 30, 40, 50, 60, 70, 80, 90 or 100 amps		

Tap Feed Modules

SYPMB ML

SYPMB MB_ML

SYPMB MN



Intended Use

Used in conjunction with system enclosures (page 664) and power modules equipped with branch circuit breakers (pages 666 and 667) to facilitate connection of up to four Synergy® cabinets to a single three-phase, four-wire or single-phase, three-wire main feed.

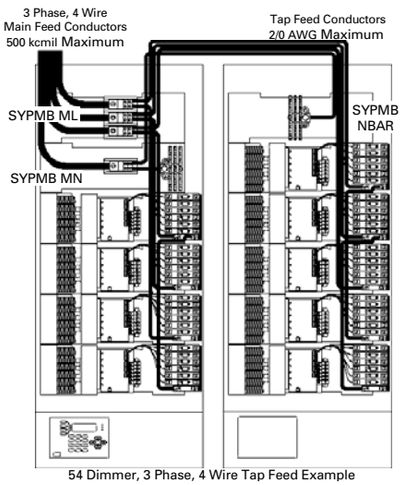
Features

ML modules include a three position power distribution block and optional main breaker. MN modules include a single position power distribution block and a 42 circuit neutral bar. All distribution positions include one main lug rated for a single #4 AWG to 500 kcmil conductor and four tap lugs rated for a single #14 to 2/0 AWG conductor each.

One ML module and one MN module is required for each application. All units are rated for 120V/240V, 120/208V and 277/480V applications.

Listings

UL Listed to US and Canadian safety standards.



54 Dimmer, 3 Phase, 4 Wire Tap Feed Example

Shipping weights are 5 lbs. (2.3 kg) without main breaker and 8 lbs. (3.6 kg) with main breaker.

Ordering Information

Example: **SYPMB ML**

Series	Main breaker		Distribution lugs	
SYPMB	(blank)	No main breaker	**ML**	Phase conductor tap feed lugs, 3 position
	MB_	Main breaker, 3 pole, indicate capacity: 30, 40, 50, 60, 70, 80, 90 or 100 amps	**MN**	Neutral conductor tap feed lug with 42 circuit neutral bar

Synergy®

Intended Use

Ideal for applications requiring circuit level remote control or lighting automation. Combines the powerful capabilities of the Synergy® lighting control system with the familiar footprint of a standard circuit breaker panel. This unique concept provides fully automated lighting control without the need to install both a relay panel and a branch circuit breaker panel. Also requires less wall space and will often provide a lower installed cost.

Features

Scheduling – Using integral astronomic clock capability, lighting can be fully automated to conform to a rotating seven-day schedule. Astronomic feature provides dusk/dawn operation, eliminating the need for photocells. Holiday schedule allows entry of up to 32 periods. Blinkwarn feature can blink lights automatically prior to a scheduled off.

Overrides – Use Synergy® digital remote stations (page 658) to provide manual control of any combination of breakers and override scheduled events. Each station can provide up to nine buttons with integral LED status indicators. A single four-wire cable is all that is required for connection of up to 60 (16 with MLC controller) stations. Optional switch input card also allows the use of traditional low voltage switches and other dry contact closures.

Networking – Panels can be networked together and used with other Synergy® switching and dimming panels to form a building-wide lighting control system. Networked systems offer the flexibility of central control, monitoring and programming via PC software. Integrates with building automation systems via native BACnet™ protocol.

Capacity – Up to 42 circuits with 100, 225 or 400-amp bus. Controllable circuit breakers are available in 15, 20 or 30-amp single-pole or two-pole for 120/208-volt, 120/240-volt or 277/480-volt operation. Compatible with non-controllable breakers.

Listings

UL Listed to US and Canadian safety standards.



Ordering Information

Example: **SYBP42 P2 225 ML B SS MLX PHONE**

Series	Voltage	Maximum rating	Main feed options[2]	Main feed locations	Door type/mounting	Controller type	Options
SYBP18 18-pole capacity[1]	**P1** 120/208V	**100** 100 amps	**ML** Main lug	**T** Top feed	**SS** Standard surface	**MLC** Basic controller for stand-alone panel operation.	**DMX** Interface for connection to DMX512 control[3,4]
SYBP30 30-pole capacity[1]	**P2** 277/480V	**225** 225 amps	**MB100** 100A main breaker	**B** Bottom feed	**DS** Door-in-door surface	**MLX** Enhanced controller for network panel operation.	**PHONE** Telephone interface[4]
SYBP42 42-pole capacity[1]		**400** 400 amps	**MB225** 225A main breaker		**SF** Standard flush	**SCP** Secondary panel, less controller	**LVIN** Eight low voltage switch and two analog inputs
			MB400 400A main breaker				**FA** Factory-assembled interior with breakers and controllers[5]
							LEGACY Interface to allow control of up to 62 MiniPac® distributed dimmer packs

NOTES:
1 Order branch circuit breakers separately. See selection table at below.
2 Consult factory for additional main breaker selections and interrupt ratings.
3 For house lighting control only.
4 Not available with MLC or SCP controllers.
5 Must provide panel schedules.

Branch Circuit Breaker Selection Table (Order as separate items.)			
Controllable Breakers		Standard Breakers (Non-Controllable)	
SYBPB BABRS1020	120V, 20A, 1POLE	**SYBPB BAB1020**	120V, 20A, 1POLE
SYBPB BABRS1030	120V, 30A, 1POLE	**SYBPB BAB1030**	120V, 30A, 1POLE
SYBPB BABRS2020	120V, 20A, 2POLE	**SYBPB BAB2020**	120V, 20A, 2POLE
SYBPB BABRS2030	120V, 30A, 2POLE	**SYBPB BAB2030**	120V, 30A, 2POLE
SYBPB GHQRS1020	277V, 20A, 1POLE	**SYBPB GHB1020**	277V, 20A, 1POLE
SYBPB GHQRS1030	277V, 30A, 1POLE	**SYBPB GHB1030**	277V, 30A, 1POLE
SYBPB GHQRS2020	277V, 20A, 2POLE	**SYBPB GHB2020**	277V, 20A, 2POLE
SYBPB GHQRS2030	277V, 30A, 2POLE	**SYBPB GHB2030**	277V, 30A, 2POLE

NOTES: Contact factory for additional breaker sizes.

Accessories	(Order separately)
LSA DOC	Job specific submittal and documentation.
SYSW CONFIG	Windows™ 95/98, 2000, NT or XP configuration software and cable (page 656).
_____	Order branch circuit breakers separately. See Branch Circuit Breaker Selection Table.

Analog Photosensor

LSA APS



Intended Use

A low voltage system component that provides ambient light level information to a Synergy® or SwitchPak® lighting control system for use in dimming, switching or daylighting applications.

Features

Units for outdoor or skylight applications mount to J-box via integral 1/2" nipple. Unit for indoor applications mounts directly to ceiling tile via peel-and-stick adhesive backing or mounts to J-box using optional canopy. Units are factory-calibrated for the light levels indicted and connect directly to a Synergy® or SwitchPak® system analog input. Configuration, setpoints and deadband all are remotely configurable from the Synergy® or SwitchPak® controller keypad.

Classification – Class 2 low voltage device.

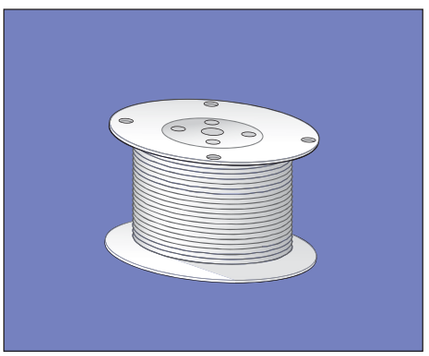
Ordering Information

Example: **LSA APS OL**

Series	Type/mounting		Options	
LSA APS	**OL**	Outdoor (0-100 fc)	**CNPY**	Canopy mount to a 4" square junction box
	OH	Outdoor (0-1,000 fc)		
	S	Skylight/atrium (0-10,000 fc)		
	IN	Indoor (0-100 fc)		

Network Cable

SYA



Intended Use

Plenum rated network cable suitable for use with industrial EIA RS-485 networks.

SYA CABLES2 – Fully compatible with Synergy® MLX (page 665) and SwitchPak® System Remote (SR option) (page 671) panel to panel networks.

SYA CABLEA4 -Fully compatible for use with Synergy® SQCS (page 657) and SYRS (page 658) digital networks.

Features

Single twist pair network cables with conductor color coding consistent with all Lithonia factory wiring diagrams and installation instruction for trouble-free network installations.

SYA CABLES2 – For use with industrial EIA RS-485 networks.

SYA CABLA4 – Includes all required power and communication conductors. For use with industrial EIA RS-485 networks plus two #16 AWG conductors for 24V station power.

Listings

UL Listed, NEC type CL2P, rated for 75° C/300 Volts.

Ordering Information

Example: **SYA CABLES2 1000FT**

Series	Cable	Length	
SYA	**CABLES2**	**1000FT**	1000 feet
	CABLEA4	**500FT**	500 feet[1]
		250FT	250 feet

NOTES:
1 Additional delivery time may be associated.

Lighting Control Panel for Switching Applications

SPAK



Intended Use

A compact and economical lighting control panel that offers simplified solutions for a broad range of lighting control applications. This time-based controller switches lighting on/off at preset times while managing a variety of low voltage inputs. Relays are rated to directly switch 20A lighting loads, eliminating the need for external contactors or relays.

Features

Simple Set-Up and Operation – Programming is quick and easy using the large LCD display with associated soft keys and automatic ReadyHelp™ on-screen help guide. Unique quick-assign keys provide one-touch program selections and instant override.

Scheduling – Individual daily schedules automatically repeat for seven-day lighting load operations. Holiday schedule accommodates 32 dates. Astronomic and automatic Daylight Savings Time operation.

Warn-before-off feature flashes lights prior to turning off.

Overrides – Eight low voltage switch inputs can be programmed to provide manual control of any combination of relays or override one to eight zones of scheduled lighting. Analog photocell input does not require remote calibrations.

System Remote Option – A single SwitchPak® provides a complete lighting control solution and can be used to control operation of additional units. This powerful option expands the capability of SwitchPak® to a system level without adding the complexity often associated with networked systems.

Housing – NEMA 1 enclosure wall-mount with hinged locking cover. Separate line and low voltage compartments

Capacity – Eight single-pole, 20A rated relays for 120/277 dual voltage. Optional configurations of 600V two-pole relays.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **SPAK 8S 120/277**

Series	Relays/poles		Voltage		Options	
SPAK	**8S**	Eight single-pole 20A relays	**120/277**	120/277 dual voltage	**SR**	System remote[1]
	4S	Four single-pole 20A relays				
	4S2D	Four single-pole 20A relays and two double-pole 30A relays				
	4D	Four double-pole 30A relays				

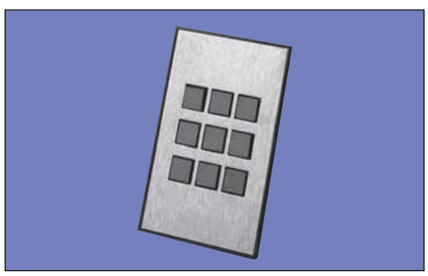
NOTES:

1 Specify SR option for all SwitchPak® panels to be linked together.

Accessories	(Order separately)
LSA APS	Analog photosensor (page 670)
SYA CABLES2	System remote network cable for plenum applications (page 670)
LVMS/WPM	Low voltage override switches (page 662)
LVDS/DSA	Decora® style low voltage override switches (page 662)

Low Voltage Remote Station

LVRS



Intended Use

The LVRS low voltage remote station is ideal when one to nine buttons are required for a compact location. Buttons may be programmed at SwitchPak® panel for override control of individual or multiple relays.

Features

Stations are single gang, screwless appearance and are available with 1 to 9 buttons in a variety of painted and metallic finishes. Optional LED pilot lights provide positive feedback of button operation. Button caps can be engraved with labels having up to two lines of text.

Installation: wallstation mounts in a grounded Lithonia #SYRS 1GR or Steel City #52C13 plaster ring. Stations connect to SwitchPak® panel switch inputs with #18 - #14 AWG low voltage Class 2 conductors.

Ordering Information

Example: **LVRS 1G 2SW BJ4 PL**

Series	Number of gangs		Number of switches		Finish[1]		Options	
LVRS	**1G**	1 gang	**_SW**	1 to 9	**BJ4**	Brushed stainless steel, black buttons	**PL**	24V pilot indicators
					WC2	Painted white, white buttons		
					IE3	Painted ivory, ivory buttons		

NOTES:

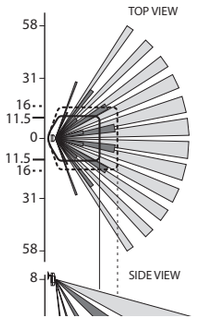
1 Other finishes available; contact your local Lithonia representative or the Lithonia factory for more information.

Directional Wall or Ceiling Mount Occupancy Sensors

LMT H



Field of View (in feet)



Intended Use

Provides automatic on/off lighting control for indoor applications where a directional occupancy sensor is required. Use with LPCS power pack (page 674), Synergy® (pages 654-669) or SwitchPak® (page 671). Versions are available for a wide variety of coverage patterns for hallways, warehouses and rooms with pendant fixtures.

Features

Directional sensor heads are low voltage and mount quickly to a wall or ceiling using the supplied "twist and lock" bracket. High motion sensitivity and automatically adapting digital circuitry provide "install and forget" simplicity. Integrated photocell may be used to hold lights off when sufficient daylight is available.

LMT – Multi-Technology Sensor Head. Ultrasonic and infrared sensing provide maximum sensitivity to small movements and high immunity to false triggering. 500ft² coverage for minor motion, 1200ft² coverage for major motion when mounted at an 8ft height.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

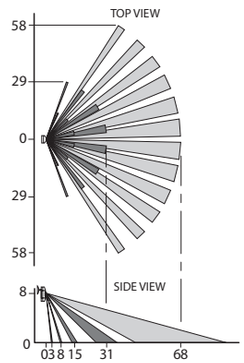
Example: **LMT H**

Series	
LMT H	Multi-technology directional sensor head

LIRC



Field of View (in feet) LIRC H



Intended Use

Provides automatic on/off lighting control for indoor applications where a directional occupancy sensor is required. Use with LPCS power pack (page 674), Synergy® (pages 654-669) or SwitchPak® (page 671). Versions are available for a wide variety of coverage patterns for hallways, warehouses and rooms with pendant fixtures.

Features

Directional sensor heads are low voltage and mount quickly to a wall or ceiling using the supplied "twist and lock" bracket. High motion sensitivity and automatically adapting digital circuitry provide "install and forget" simplicity. Integrated photocell may be used to hold lights off when sufficient daylight is available.

LIRC H – Infrared Sensor Head. Passive infrared sensor head ideal for areas where it can be mounted with an unobstructed view of the occupants. 850ft² coverage for minor motion, 2500ft² coverage for major motion when mounted at an 8ft height.

LIRC LR H – Infrared Hallway Sensor. Passive infrared sensor head ideal for long, relatively narrow areas, such as aisles, hallways and corridors. 100ft long x 14ft wide coverage pattern when mounted at a 10ft height.

LIRC HB H – Infrared High-Bay Sensor. Designed for long, narrow spaces where a high mounting height is required, such as warehouse aisles and factory storage racks, this passive infrared sensor head provides long range and high sensitivity. 55ft long x 7ft wide coverage pattern when mounted at a 30ft height.

Listings

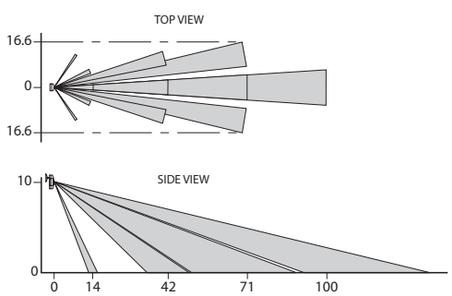
UL Listed to US and Canadian safety standards.

Ordering Information

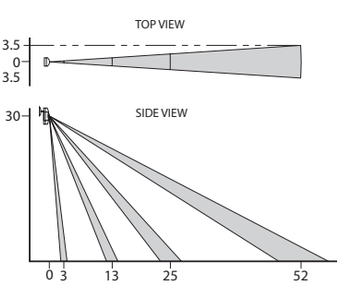
Example: **LIRC H**

Series	
LIRC H	Infrared wide-view directional sensor head
LIRC LR H	Infrared hallway directional sensor head
LIRC HB H	Infrared high bay directional sensor head

Field of View (in feet) LIRC LR H



Field of View (in feet) LIRC HB H



Intended Use

Ceiling mount sensor heads provide automatic on/off lighting control for indoor applications where an occupancy sensor with a 360° coverage pattern is required. Use with an LPCS power pack (page 674), Synergy® system (pages 654-669) or SwitchPak™ relay panel (page 671). Multi-technology, ultrasonic and passive infrared sensors are available for a wide variety of applications.

Features

Omni-directional sensor heads are low voltage and mount quickly to a variety of ceiling surfaces using the supplied hardware. High motion sensitivity and advanced, automatically adapting digital circuitry provide "install and forget" simplicity. Integrated photocell may be used to hold lights off when sufficient daylight is available.

LMTO H – Ultrasonic and infrared sensing provide maximum sensitivity to small movements and high immunity to false triggering. Perfect for classrooms, large offices, conference rooms and cafeterias. 1000ft^2 coverage for minor motion, 2000ft^2 coverage for major motion when mounted at an 8ft height.

LUSO H – Ultrasonic sensors provide excellent sensitivity to small movements without the requirement of an unobstructed view of the occupants. Use for storage areas, warehouses, cafeterias and public areas in commercial facilities. 1000ft^2 coverage for minor motion, 2000ft^2 coverage for major motion when mounted at an 8ft height.

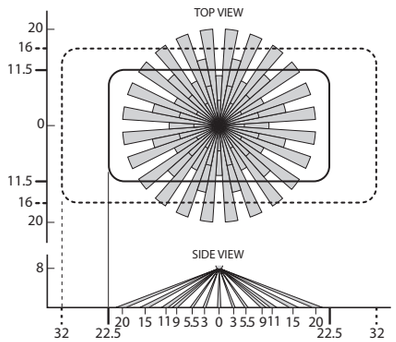
LIRO H – Passive infrared sensor with a high immunity to false triggering that works well in lobbies, closets, wide hallways and other areas with an unobstructed view of the sensor. 1500ft^2 coverage for major motion when mounted at an 8ft height.

Listings

UL Listed to US and Canadian safety standards.

Multi-Technology Sensor Head

LMTO H



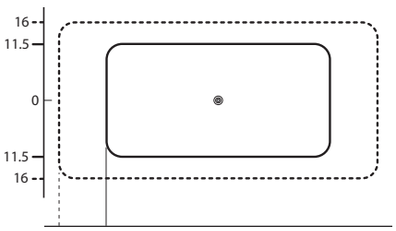


Ordering Information Example: **LMTO H**

Series	
LMTO H	Multi-technology ceiling-mounted sensor head

Ultrasonic Sensor Head

LUSO H



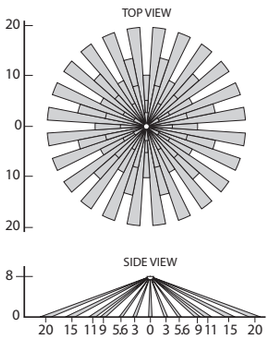


Ordering Information: Example: **LUSO H**

Series	
LUSO H	Ultrasonic ceiling-mounted sensor head

Infrared Sensor Head

LIRO H





Ordering Information: Example: **LIRO H**

Series	
LIRO H	Infrared ceiling-mounted sensor head

Minor Motion, IR | Major Motion, IR | Minor Motion, Ultrasonic | Major Motion, Ultrasonic

Power Control Station

LPCS



Intended Use

Switches line voltage lighting loads and provides low voltage power to Litronic® occupancy sensor heads (pages 672-673) and Digital Equinox® stations (pages 659 & 660). The DCO option can be used to send a dry contact status signal to HVAC or building automation systems.

Features

Integrated 24VDC Class 2 supply and power relay provide a convienient and durable means for switching lighting loads when distributed relay control is desired. Power relay utilizes zero-cross switching for extended life and is rated for fluorescent, incandescent, low voltage and motor loads. Integral 24V power supply is short-circuit protected and compatible with all Litronic® occupancy sensors and Digital Equinox® stations. Mounts with integral threaded nipple to ballast cavity or junction box knock out.

Listings

UL Listed to US and Canadian safety standards.

Ordering Information:

Example: **LPCS MVOLT**

Series	Voltage		Options	
LPCS	**MVOLT**	120/240/277 VAC, 60Hz (relay rating: 20A fluorescent/ incandescent; 1HP, 120VAC; 2HP, 240VAC)	**DCO**	Dry contact output for use in signalling other systems. Contacts rated for 0.5A, 120VAC, 30VDC.
	347	347 VAC, 60Hz(relay rating: 15A fluorescent; 1HP, 120VAC; 2HP 240VAC)		

Wall-Switch Replacement

LIRW

Decora®



Single Switch Sensor

Dual Switch Sensor

Intended Use

Designed to replace a standard wall switch and provide automatic lighting control in a variety of indoor applications requiring on/off and bi-level switching control. Sensors will always automatically turn off lights after no motion is detected for a period of time, but may be configured to operate in either "manual on" or "automatic on" modes.

Single Switch – Use for applications that require only a single zone of on/off control, such as private offices, employee lounges and conference rooms. May be used in conjunction with a DSD or ISD Series dimmer (pages 677-679) when continuous dimming control with automatic on/off operation is desired.

Dual Switch – Perfect for use with RT5™ fixtures with the step-dim option, this sensor provides dual switched outputs for high/low, inboard/outboard, or two zone control. Perfect for private offices, classrooms, conference rooms and day care centers. Photocell calibration and sensor timeout may be set to adjust automatically based on actual occupant usage.

Features

Advanced passive infrared occupancy sensor detects movement over 2000ft^2 with a 180° line-of-sight coverage pattern. One (LIRW) or two (LIRW DS) front-mounted switches provide independent manual override control for occupants. Integrated photocell may be used to hold lights off when sufficient daylight is available.

Low profile Decora® design matches DSD, ISD (pages 677-679) and LVDS (page 662) Series devices and is compatible all with DSA Series faceplates (page 677).

Listings

UL Listed to US and Canadian safety standards.

Ordering Information:

Example: **LIRW MVOLT WH**

Series	Switch		Voltage	Color	
LIRW	(blank)	Single switch	**MVOLT**	**WH**	White
	DS	Dual switch		**IV**	Ivory

Primary relay rating:
Fluorescent: 1200VA 120V; 2700VA 277V
Incandescent: 800W 120V
Secondary relay rating:
Fluorescent: 800VA 120V; 1200VA 277V
Incandescent: 800W 120V

SQIDC

Sequel® IDC

Intended Use

Provides manual and preset dimming of most lamp types in wallbox applications. Offered in a variety of styles and architectural finishes. May be used singly, with matching remote stations or interfaced with external systems.

Features

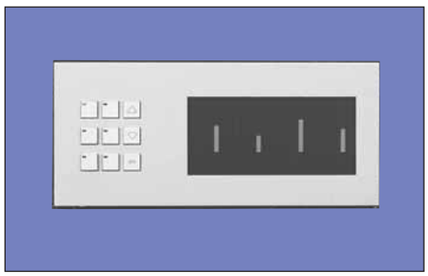
Master raise and lower buttons adjust intensity of all lights dimmed from station. Channel raise and lower buttons adjust intensity level of individual channels. LED bar graph displays intensity level. Select button saves presets. Fade time is adjustable for each preset scene. Preset button saves and activates presets. Off function turns off all lighting. Low-end and high-end dimming limits and dimmer curves are adjustable per channel.

Terminals on rear of station allow access from SQRS remote stations or momentary dry contact closures to: six presets, master raise/lower, channel raise/lower, select and off.

Overall maximum is 2000VA. Maximum per output (1-4) is 600VA electronic ballast or 800VA incandescent, magnetic low voltage and magnetic ballast, 600VA electronic two- and three-wire fluorescent ballasts. Mounts in five-gang masonry wall box.

Listings

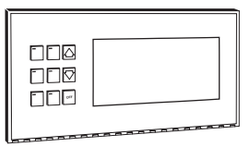
UL Listed to US and Canadian safety standards.



Ordering Information

Example: **SQIDC 2000 6P 4C BJ4 TR 120**

Series	Capacity (VA)	Number of presets and channels	Finish	Wallplate style	Voltage
SQIDC	**2000** 2000 watts	**6P 4C** 6 presets, 4 channels **6P 8C** 6 presets, 8 channels[1]	**BJ4** Brushed stainless steel, black buttons **WC2** Painted white, white buttons **IE3** Painted ivory, ivory buttons **BL4** Painted black, black buttons[2] **BF4** Polished brass, black buttons[2]	**SD** Solid **TR** Translucent	**120**



NOTES:
1 8-channel unit requires Sequel® MiniPac® dimmer cabinet (page 676) for control of loads on channels 5-8.
2 Additional delivery time and/or cost may be associated.

Accessories (Order separately)

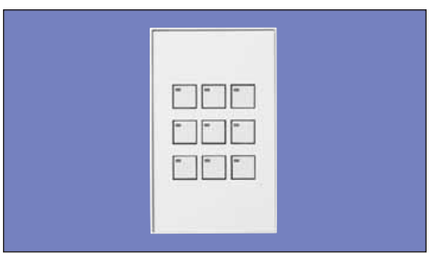
SQCS 5GB 5-gang backbox for 4C and 8C stations.
BKLE Engraved button caps. Specify wording.

Series	*Width*	*Thickness*	*Height*
SQIDC	10-1/8 (257)	1/4 (6)	4-5/8 (117)

Dimensions are shown in **inches (millimeters)** unless otherwise noted.

Remote Stations

SQRS



Intended Use

Activates control functions in conjunction with the Sequel® IDC wallbox dimming system.

Features

Operation – Functions include preset recall, channel raise/lower, master raise/lower and off.

Installation – Mounts to a Lithonia SYRS 1GR box or 2" wide single-gang switch box.

Classification – Class 2 low voltage device.

Ordering Information

Example: **SQRS2S BJ4**

Series	Number of buttons	Finish
SQRS	**1S** 1 button **2S** 2 buttons **3S** 3 buttons **4S** 4 buttons **5S** 5 buttons **6S** 6 buttons **9S** 9 buttons	**BJ4** Brushed stainless steel, black buttons **WC2** Painted white, white buttons **IE3** Painted ivory, ivory buttons **BL4** Painted black, black buttons[1] **BF4** Polished brass, black buttons[1]

NOTES:
1 Additional delivery time and/or cost may be associated.

Accessories (Order separately)

SYRS 1GR 1-gang plaster ring.
BKLE Engraved button caps. Specify wording.

Series	*Width*	*Thickness*	*Height*	*Weight*
SQRS	2-7/8 (73)	1/4 (6)	4-5/8 (117)	1/2 (.2)

Dimensions are shown in **inches (millimeters)** or **pounds (kilograms)** unless otherwise noted.

www.lithonia.com, keywords: SQIDC and SQRS

Remote High Power Dimmer Pack

SQMPDC

MiniPac®



Intended Use

Increases the individual channel capacity for SQIDC wall box dimming system (page 675) or may be used as a remote dimmer pack for a Synergy® system equipped with the Legacy option (page 665).

Features

When used with SQIDC: An integral switch matrix allows dimmers to be flexibly assigned to SQIDC station channels. Up to four dimmer pack may be used per SQIDC system.

When used with Synergy®: MLX controller with Legacy option required; up to 64 dimmer packs may be connected to each controller. Dimmers are fully configurable from system controller and software and may be controlled by any Synergy® user interface or schedule.

High quality architectural-grade filters minimize lamp noise. Dimmers are cooled through natural convection flow provided by front cover venting and are available with or without positive air gap on/off relays.

Installation – NEMA 1 enclosure is suitable for surface or flush wall mounting. Dimmers are fed from individual 15A or 20A branch circuits. All dimmers in a single pack must be fed from a single phase; no phase relationship between different dimmer packs or SQIDC circuits. Connects to Synergy® cabinet or SQIDC via Lithonia SYA CABLES2 network wire (page 670).

Listings

UL Listed to US and Canadian safety standards.

Ordering Information

Example: **SQMPDC 4UX2 S2 120**

Series	Number of dimmers	Dimmer type	Capacity per dimmer	Type	Voltage	Options
SQMPDC	**2** 2 dimmers **4** 4 dimmers	**UX** Universal incandesent; two wire fluorescent **UF** Universal incandesent; and two, three and four-wire fluorescent; non-dim	**2** 2000VA, 120V **4** 4000VA, 277V	**S2**	**120** 120V (single phase) **277** 277V (single phase)	**EM** For essential lighting loads. All dimmers automatically set to full on upon loss of normal power. Type 4UX2 or 4UX4 cabinets only. Transfer of input fee by others.

Remote Dimmer Modules

RDM



Intended Use

Used to boost the capacity of an ISD (page 678), DSD (page 677), or SQIDC (page 675) Series wall-box dimmer. Also allows an ISD Series dimmer to control three-wire fluorescent dimming ballasts and SQIDC dimmers to control four-wire fluorescent dimming ballasts.

Features

Available for a wide variety of dimming load types. Models for use with line voltage loads include an integral RFI filter and may be surface or flush mounted using a 1900 box and 2-gang raised cover. All models are phase independent of the control device and equipped with a low-end trim adjustment.

Listings

UL Listed. CSA Certified. NOM Certified.

Ordering Information

Example: **RDMI 2000 120**

Series	
RDMI 2000 120	1920 W/VA, 120V, 50/60Hz for incandescent, magnetic low voltage, neon and cold-cathode.
RDMF 2000 120	1920 VA, 120V, 50/60Hz for Advance Mark 10™ and Lutron Hi-Lume®, Tu-Wire® and ECO10™ fluorescent
RDMI 3000 277	3000 VA, 277V, 50/60Hz for Advance Mark 10™ and Lutron Hi-Lume®, Tu-Wire® and ECO10™ fluorescent
RDMBC 120/277	1920VA at 120V, 4400VA at 277V, 50/60Hz for 0-10VDC fluorescent ballasts only. Mounts to a grounded 4" outlet box.

Load type	Load voltage	Controller	RDM
Incandescent, magnetic low voltage, neon	120V	SQIDC or ISD 600 I 120	RDMI 2000 120
Advance Mark 10™, Lutron Tu-Wire®	120V	SQIDC, ISD 600 ADEZ 120, or DSD 500 ADEZ 120	RDMF 2000 120
Advance Mark 10™, Lutron Tu-Wire®	277V		RDMF 3000 277
Lutron Hi-Lume®/ECO10™	120V	SQIDC or ISD 600 I 120	RDMF 2000 120
Lutron Hi-Lume®/ECO10™	277V		RDMF 3000 277
0-10VDC Fluorescent	120V or 277V	SQIDC or ISD 600 I 120	RDMBC 120/277

DSD

Intended Use

DSD Series dimmers provide smooth full-range dimming of fluorescent fixtures equipped with the Advance Mark 10™ dimming ballast. Dimmers have a strap-mount design and may be used individually or ganged together for multiple load applications. These dimmers are ideally suited for use with Lithonia fixtures with the ADEZ dimming ballast option.

Features

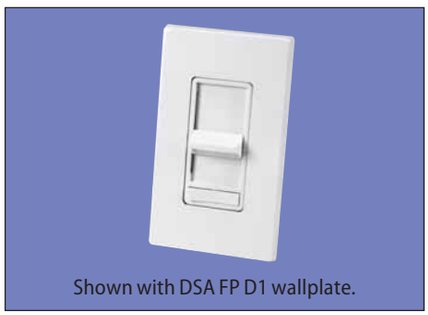
Operation – Linear slide dimming with separate rocker switch for preset or three-way on/off operation and single location dimming.

Installation – All dimmers mount in standard single-gang switch box and can be ganged together using multi-gang wallplates (see below).

Compatability – Two-wire dimming ballasts as indicated on page 680.

Listings

UL Listed. CSA Certified. NOM Certified.



Shown with DSA FP D1 wallplate.

Ordering Information

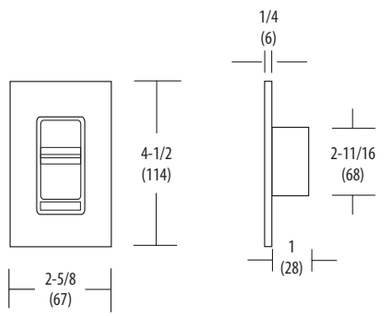
Example: **DSD 500 ADEZ 277 IV**

Series	Capacity (VA)	Ballast type	Voltage	Color
DSD	**500** 500 VA	**ADEZ** Advance Mark 10™ fluorescent	**120** **277**	**IV** Ivory[1] **WH** White[1]

NOTES:

1 Includes standard Leviton Decora® wallplate. Order screwless or multi-gang DSA wallplates separately below.

Advance Mark 10™ two-wire ballasts, 120V and 277V



Dimensions are shown in **inches (millimeters)** unless otherwise noted.

Capacities and Derating

277V

Advance Mark 10™ catalog no.	Lamp type	Max. no. ballast/dimmer One-gang or multi-gang
VEZ-2Q26	CFM26W	8
VEZ-1T32	CFM32W	12
VEZ-1T42	CFM42W	10
VEZ-1Q18	CFQ18W	22
VEZ-2Q18	CFQ18W	11
VEZ-132	F32T8	13
VEZ-2S32	F32T8	6
VEZ-3S32	F3T8	4
VEZ-154	F54T5/HO	7
VEZ-2S54	F54T5/HO	4
VEZ-1TTS40	FT40W	12
VEZ-2TTS40	FT40W	6

120V

Advance Mark 10™ catalog no.	Lamp type	Max. no. ballast/dimmer One-gang	Multi-gang
REZ-1T32	CFM32W	13	10
REZ-1T42	CFM42W	10	8
REZ-1Q18	CFQ18W	23	18
REZ-2Q18	CFQ18W	11	9
REZ-2Q26	CFQ26W	8	6
REZ-2T42	CFTR42W	5	4
REZ-132	F32T8	13	11
REZ-2S32	F32T8	6	5
REZ-3S32	F32T8	4	3
REZ-154	F54T5/HO	7	6
REZ-2S54	F54T5/HO	3	3
REZ-1TTS40	FT40W	12	9
REZ-2TTS40	FT40W	6	4

For higher capacity, use either ISD ADEZ (page 678) or DSD with RDM remote dimmer (page 676).

DSA FP

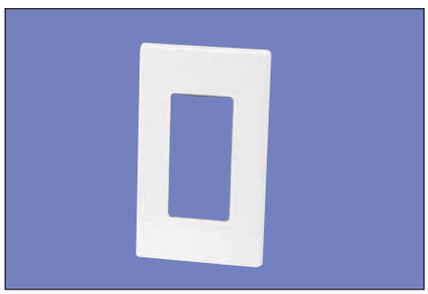
Intended Use

Provides an architecturally-styled finish treatment for DSD, ISD, LVDS and LIRW Series products. Wallplates are available for individual devices and multi-gang applications with up to six devices.

Features

Low profile wallplates are compatible with DSD, ISD, LVDS and LIRW Series products and other Decora® style devices.

Adapter strap permits mounting to the device without exposed fasteners[1].



Ordering Information

Example: **DSA FP D1 WH**

Series	Openings[2]			Color	
DSA FP	**D1** One opening	**D3** Three openings	**D5** Five openings	**WH** White	**GY** Gray[3]
	D2 Two openings	**D4** Four openings	**D6** Six openings	**IV** Ivory	**BK** Black[3]
				AL Almond[3]	**BR** Brown[3]

NOTES:

1 Some color and opening combinations only are available with visible mounting screws.

2 One gang per opening is required.

3 Additional delivery time and/or cost may be associated with these premium colors.

www.lithonia.com, keywords: DSD and DSA FP

ISD



Intended Use

The ISD Series wallbox dimmers are designed to provide smooth full-range dimming for a variety of loads. Products are available for incandescent, low voltage, electronic low voltage and fluorescent two-wire and four-wire load types. The ISD dimmers can be used in place of a standard wall switch to provide on/off and dimming lighting control.

Features

Fluid slide movement allows fine adjustment of light level over the entire dimming range. Separate on/off switch permits switching of lighting at a preset level. An integral LED indicator on illuminated dimmers turns on when the switch is off to facilitate switch location in a dark room. Can be used with standard three-way or four-way switch for multi-location switching. ISD Series dimmers are compatible with Leviton Decora® Series wallplates. Single location, linear slide dimming with separate push on/off switch for preset three-way and four-way switching. Available in standard white and ivory and supplied with a matching single-gang Decora® style wallplate. Snap-on Decora® style wallplate color change kits available (gray, black, brown, almond, white and ivory). Devices can be multi-gang mounted (optional multi-gang DSA wallplate required – see page 677).

Listings

UL Listed. CSA Certified. NOM Certified.

Ordering Information

Example: **ISD 600 LV 120 WH/IV**

Catalog number

Incandescent (supplied with white and ivory faceplates)

ISD 600 I 120 WH/IV	Illuminated slide dimmer; 600W, 120V, 60Hz
ISD 1000 I 120 WH/IV	Illuminated slide dimmer; 1000W, 120V, 60Hz

Magnetic low voltage (supplied with white and ivory faceplates)

ISD 600 LV 120 WH/IV	Illuminated slide dimmer; 600VA, 120V, 60Hz
ISD 1000 LV 120 WH/IV	Illuminated slide dimmer; 1000VA, 120V, 60Hz

Electronic low voltage (supplied with white and ivory faceplates)

ISD 400 ELV 120 WH/IV	Illuminated slide dimmer; 400VA, 120V, 60Hz

Fluorescent Mark 10™ (supplied with white and ivory faceplates)

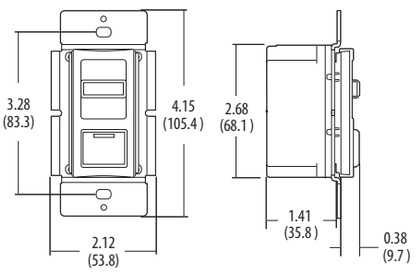
ISD 600 ADEZ 120 WH/IV	Slide dimmer; 600VA, 120V, 60Hz
ISD 1000 ADEZ 120 WH/IV	Slide dimmer; 1000VA, 120V, 60Hz
ISD 1200 ADEZ 277 WH/IV	Slide dimmer; 1200VA, 277V, 60Hz

Fluorescent four-wire (supplied with white and ivory faceplates)

ISD BC 120/277 WH/IV	Ballast controller; 120/277V

Accessories (Order separately)

ISD CCKIT__	Color change kit, specify WH (White), IV (Ivory), GY (Gray), BR (Brown), BK (Black) or AL (Almond).
DSA FP D__	Low profile thermoplastic wall-plate for ISD or Leviton Decora® compatible devices (page 677).



Maximum load/dimmer

Catalog Number	ISD I/ISD LV/ISD ELV One gang	Two gang	More than two gang
ISD 1000 I 120	1000W	800W	700W
ISD 600 I 120	600W	500W	400W
ISD 1000 LV 120	1000VA	800VA	700VA
ISD 600 LV 120	600VA	500VA	400VA
ISD 400 ELV 120	400VA	350VA	250VA

Maximum number of ballasts/dimmer
120V Advance Mark 10™

Catalog Number	Lamp type	ISD 600 ADEZ 120 One gang	Two gang	More than two gang	ISD 1000 ADEZ 120 One gang	Two gang	More than two gang
REZ-1T32	CFM32W	15	13	10	26	20	18
REZ-1T42	CFM42W	12	10	8	20	16	14
REZ-1Q18	CFQ18W	27	23	18	46	37	32
REZ-2Q18	CFQ18W	13	11	9	23	18	16
REZ-2Q26	CFQ26W	10	8	6	17	13	12
REZ-2T42	CFTR42W	6	5	4	10	8	7
REZ-132	F32T8	16	13	11	27	22	19
REZ-2S32	F32T8	8	6	5	13	11	9
REZ-3S32	F32T8	5	4	3	9	7	6
REZ-154	F54T5/HO	9	7	6	15	12	11
REZ-2S54	F54T5/HO	4	3	3	7	6	5
REZ-1TTS40	FT40W	14	12	9	24	19	17
REZ-2TTS40	FT40W	7	6	4	12	9	8

Maximum number of ballasts/dimmer
277V Advance Mark 10™

Catalog Number	Lamp type	ISD 1200 ADEZ 277 One gang	Two gang	More than two gang
VEZ-2Q26	CFM26W	20	20	20
VEZ-1T32	CFM32W	30	30	30
VEZ-1T42	CFM42W	24	24	24
VEZ-1Q18	CFQ18W	54	54	54
VEZ-2Q18	CFQ18W	27	27	27
VEZ-2T42	CFTR42W	12	12	12
VEZ-132	F32T8	33	33	33
VEZ-2S32	F32T8	16	16	16
VEZ-3S32	F32T8	11	11	11
VEZ-154	F54T5/HO	18	18	18
VEZ-2S54	F54T5/HO	9	9	9
VEZ-1TTS40	FT40W	28	28	28
VEZ-2TTS40	FT40W	14	14	14

ISD DPC



Intended Use

Connects directly to up to 80 compatible four-wire dimming ballasts with Class 2 low voltage control wire. Photocell automatically maintains a constant preset lighting level.

Features

Operation – Automatically maintains a constant preset lighting level in response to the availability of natural daylight (daylighting) and/or automatically maintains a constant preset light level over the life of the lighting system (lumen depreciation maintenance). 7-140 footcandles response range ± 1% at 70°F. Immediate or extended fade time response to light level changes.

Housing – Low-profile, UV-stable, white ABS housing with flat Fresnel lens.

Installation – Mounts directly to the ceiling tile. Class 2 low voltage control wire.

Compatability – Four-wire dimming ballasts as indicated on page 680.

Classification – Class 2 low voltage device.

Ordering Information

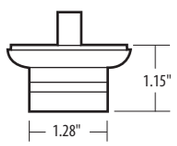
Example: **ISD DPC**

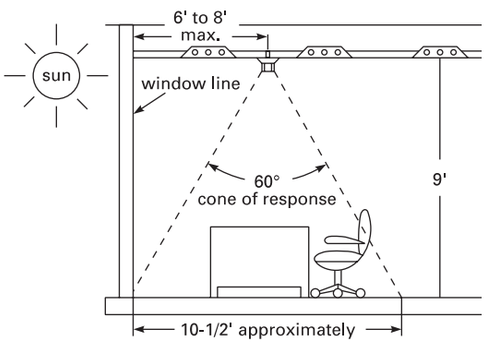
Series	
ISD DPC	Dimming photocell

Applications:

Install near fixtures being controlled or central to circuit being controlled. Cone of response of photocell (60°) must contain area that is lit by fixtures being controlled. Cone of response area must not contain any artificial uplight (i.e., desk lamp).

For day light harvesting, photocell should be installed six to eight feet from window line, depending on ceiling height, so that cone of response only contains work area inside actual window line. Can be used with an ISD BC ballast controller for automatic and manual dimming control.





Fluorescent Dimming Guide

Four-wire, 0-10VDC control signal and two line voltage (Example: Osram Helios™)

Ballasts have Class 2 control wires (purple and gray) to connect low voltage control devices such as Equinox® dimming control products.

Advantages:
- Control zones are created by interconnecting the low voltage wires and are not affected by the line voltage circuiting of the fixtures.
- Simple low voltage control devices such as the ISD DPC dimming photocell are self-powered by the ballast.
- Small control devices can control a large number of ballasts since they are not supplying power to the loads.
- Choice of ballast suppliers.
- Lowest cost for 1% dimming.

Disadvantages:
- Requires additional controls.

Two-wire line voltage, 0-120 VAC or 0-277 VAC (Example: Advance Mark 10®)

Ballasts have only one hot and one neutral wire and are directly controllable by fluorescent wallbox dimmers or universal system dimmers.

Advantages:
- Requires no additional wires, the black and white input leads provide for power and dimming.
- Wide dimming range (100-1%).
- Lowest installed cost.

Disadvantages:
- Minimum input voltage must be assured, requires dimmers with low-end trim adjustments or factory preset low-end adjustment.

Three-wire line voltage, 0-120 VAC or 0-277 VAC (Example: Lutron Hi-Lume)

Ballasts are powered by a non-dimmed line voltage input and controlled via a second variable line voltage input.

Advantages:
- Line voltage control wiring
- Wide dimming range (100-1%).

Disadvantages:
- Requires a 2nd input power wire connection.
- Minimum input voltage must be assured, requires dimmers with low-end trim adjustments.
- Dimmers require a neutral.
- Highest relative cost to achieve 1% dimming.

**Four-wire digital addressable ballast (consult factory).*

	Advance Mark 7®	Lutron TVE	Universal SuperDim®/ Ballastar®	Osram/ Sylvania Helios™	Advance Mark 10®	Lutron Tu-Wire	Lutron ECO-10	Lutron Hi-Lume/ Compact SE	DALI (various manufacturers)
Control type	Four-wire	Four-wire	Four-wire	Four-wire	Two-wire line voltage	Two-wire line voltage	Three-wire line voltage	Three-wire line voltage	Digital, DALI protocol
Ballast nomenclature	RZT/VZT,IZT	TVE	DIM-D,DIM-10,V5	(PHO-)DIM	REZ/VEZ	2W	ECO	FDB/HL3	varies
Lithonia nomenclature	ADZT,ADZTH	TVE10	TUBV,TUDA, TUDD	OS5C,OSDIM,OS10C	ADEZ	2W5	ECO10	DMHL	ADALI,OSDALI,TRDALI[4]
The number of lamps that can be operated by each ballast is indicated below. Refer to ballast manufacturer for dimming range for each lamp type.									
F13 Quad Tube	1,2	--	1,2	--	--	--	--	--	1,2
F18 Quad Tube	1,2	--	1,2	--	1,2	2	--	1,2	1,2
F26 Quad Tube	1,2	--	1,2	--	1,2	1,2	--	1,2	1,2
F32 Quad Tube	--	--	--	--	--	--	--	--	--
F13 Triple Tube	1,2	--	--	--	--	--	--	--	1,2
F18 Triple Tube	1,2	--	--	--	1,2	2	--	1,2	1,2
F26 Triple Tube	1,2	--	1	--	1,2	1,2	--	1,2	1,2
F32 Triple Tube	1,2	--	1	--	1	1,2	--	1,2	1,2
F42 Triple Tube	1,2	--	1	--	1	--	--	1,2	1,2
F57 Triple Tube	1	--	--	--	1	--	--	--	1
F70 Triple Tube	1	--	--	--	1	--	--	--	1
F36 Biax T5	2	--	--	--	1,2	--	--	--	1.2
F39 Biax T5	--	--	--	--	--	--	1,2,3	1,2,3	--
F40 Biax T5	1,2	--	1,2	--	1,2	--	1,2,3	1,2,3	1,2
F50 Biax T5	1,2	--	--	--	--	--	1,2	1,2	--
F55 Biax T5	1	--	--	--	1,2	--	--	--	1,2
F14 T5	--	--	1,2	--	--	--	1,2	--	1,2
F21 T5	--	--	1,2	--	--	--	1,2	--	--
F28 T5	--	--	1,2	--	--	--	1,2	--	1,2
F35 T5	--	--	1	--	--	--	--	--	1,2
F24 T5 HO	--	--	--	--	--	--	1,2	1,2	--
F39 T5 HO	--	--	--	--	--	--	1,2	1,2	--
F54 T5 HO	1,2	--	1	1,2	1,2	--	1,2	1,2	1,2
F17 T8	1,2,3,4	1	1,2,4	1	--	2	1,2,3	1,2,3	1,2,3
F25 T8	1,2,3,4	1	1,2,4	1	1,2,3	1,2	1,2	1,2,3	1,2,3,4
F32 T8	1,2,3,4	1,2,3	1,2,3,4	1,2,3,4	1,2,3	1,2	1,2,3	1,2,3	1,2,3,4
F40 T8	--	--	--	--	--	--	--	1,2	--
Architectural dimming systems									
Synergy dimmer modules (pg 666-667)	SYPM 8F	SYPM 8F	SYPM 8F	SYPM 8F	SYPMB 6DB	SYPMB 6DB	SYPMB 6DB	SYPMB 6DB	SYPM DALI
Digital Equinox®[3] (pg 659-661)	SYRS EXT,DEQ LC	SYRS EXT,DEQ LC	SYRS EXT,DEQ LC	SYRS EXT,DEQ LC	N/A	N/A	N/A	N/A	N/A
MiniPac types (pg 676)	UF	UF	UF	UF	UX,UF	UX,UF	UF	UF	N/A
SQIDC (pg 675)	requires RDMBC	requires RDMBC	requires RDMBC	requires RDMBC	Yes	Yes	Yes	Yes	N/A
Wallbox dimmers									
ISD Series (pg 678-679)	ISD BC	ISD BC	ISD BC	ISD BC	ISD ADEZ	ISD ADEZ	ISD I with RDMF	ISD I with RDMF	N/A
DSD Series (pg 677)	N/A	N/A	N/A	N/A	DSD ADEZ	DSD ADEZ	N/A	N/A	N/A
Remote dimmer modules									
RDM (pg 676)	RDMBC	RDMBC	RDMBC	RDMBC	RDMF	RDMF	RDMF	RDMF	N/A

1 Lamp and ballast information shown on this table was compiled per ballast manufacturer literature available when the table was prepared. Refer to the ballast manufacturers' current literature for up-to-date information about their product lines.

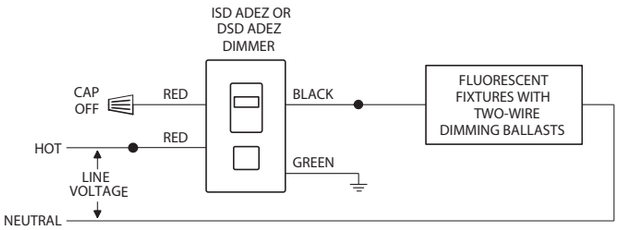
2 Refer to the ballast manufacturers' information for specific low-end dimming for each lamp type.

3 Requires LPCS power control station (page 674).

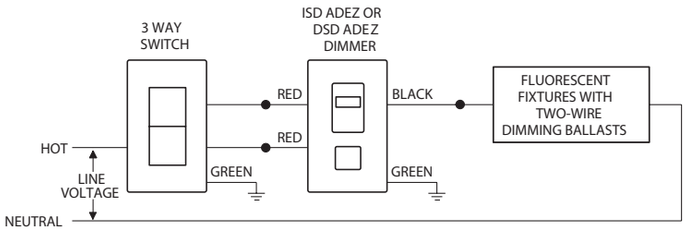
4 Consult factory for specific lamp configurations available for different DALI ballast options.

TYPICAL WIRING DIAGRAMS FOR FLUORESCENT WALLBOX DIMMERS

TWO-WIRE DIMMING BALLASTS (ADVANCE MARK 10®, LUTRON TU-WIRE) 120V OR 277V

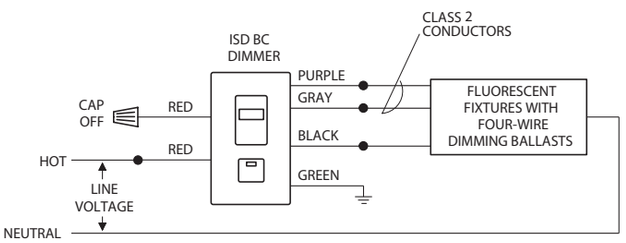


TWO-WIRE LINE VOLTAGE DIMMING BALLAST EXAMPLE
FOR SINGLE LOCATION CONTROL

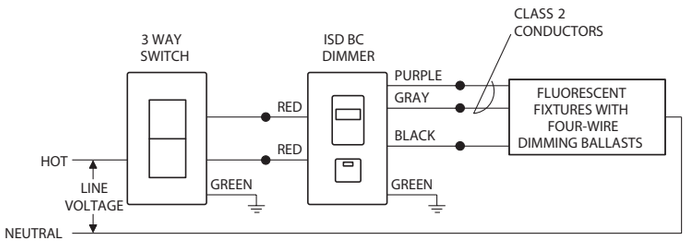


TWO-WIRE LINE VOLTAGE DIMMING BALLAST EXAMPLE
FOR TWO LOCATION CONTROL

FOUR-WIRE DIMMING BALLASTS (ADVANCE MARK 7®, SYLVANIA HELIOS™) 120V OR 277V

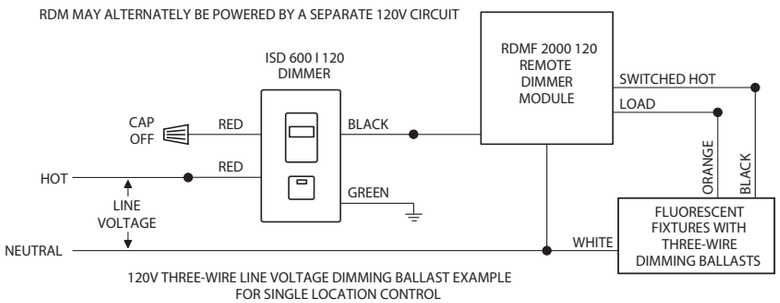


FOUR-WIRE O-10V DIMMING BALLAST EXAMPLE
FOR SINGLE LOCATION CONTROL

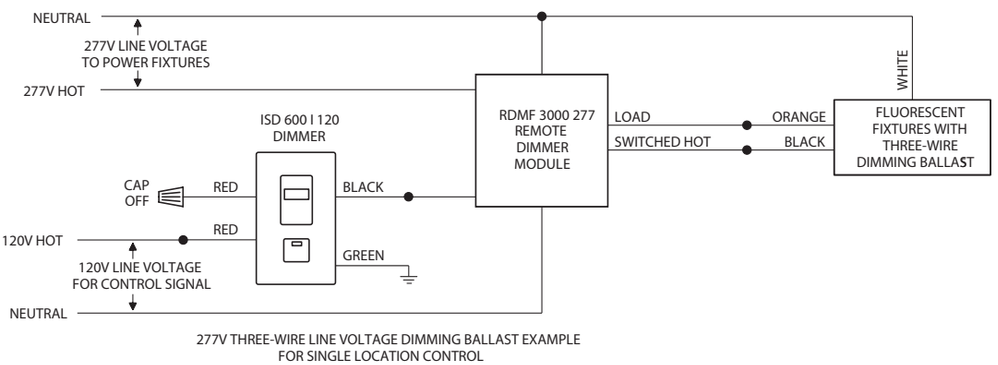


FOUR-WIRE 0-10V DIMMING BALLAST EXAMPLE
FOR TWO LOCATION CONTROL

THREE-WIRE DIMMING BALLASTS (LUTRON HILUME, ECO-10)



120V THREE-WIRE LINE VOLTAGE DIMMING BALLAST EXAMPLE
FOR SINGLE LOCATION CONTROL



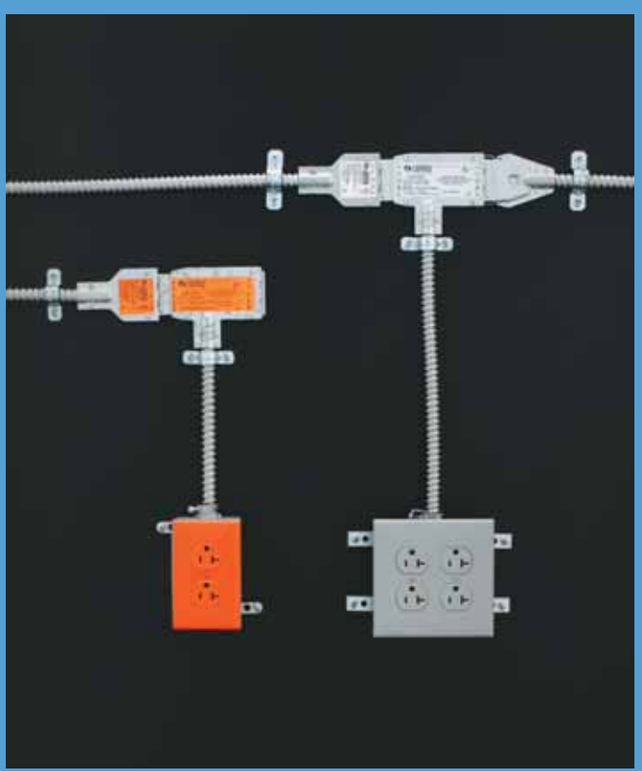
277V THREE-WIRE LINE VOLTAGE DIMMING BALLAST EXAMPLE
FOR SINGLE LOCATION CONTROL



Reloc® Wiring Systems

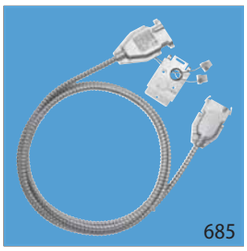
The leader in modular wiring for more than 20 years, Reloc® wiring systems offer unique wiring systems for commercial, industrial and specialty applications that are fast, easy and effective.

In today's fast-track market, every job demands wiring solutions that reduce installation time and adapt to changes that occur both during and after construction. Reloc® systems give you the edge you need to stay on schedule and on budget.





CONTENTS

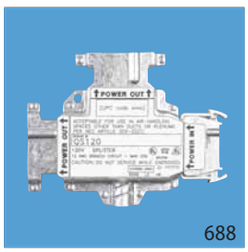

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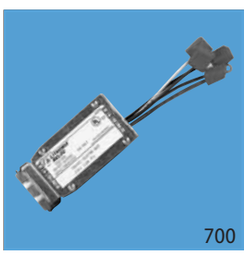


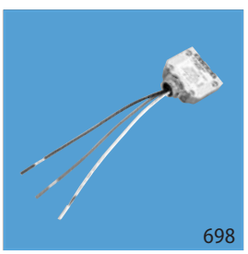
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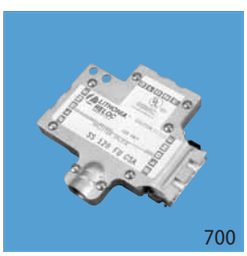

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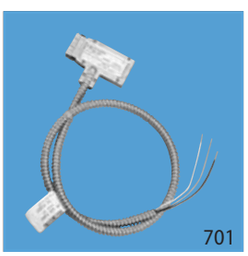

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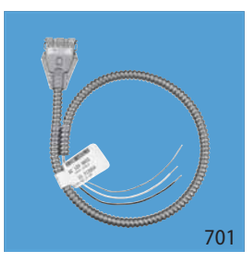

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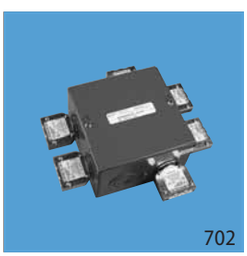

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Recessed Ceiling Lighting Systems

Quick-Flex® 684

Open Ceiling Lighting Systems

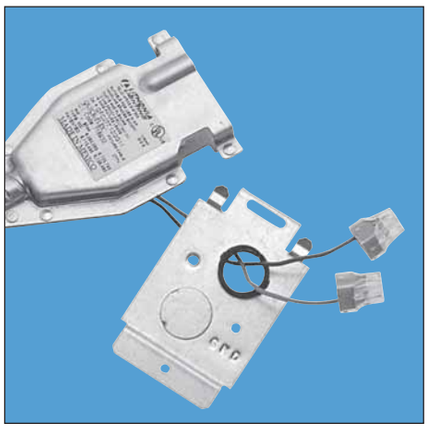
OnePass® 690

Specialty Lighting and Power Systems

Power Wiring 695
Specialty Lighting 695
Power Pole 703

The Quick-Flex® System

Quick-Flex®



Intended Use

The Quick-Flex® system costs less than other wiring methods for commercial lighting in offices, schools and other accessible ceiling applications. Quick-Flex® systems are simple and utilize components that snap together in a fraction of the time required for MC cable or other traditional wiring methods.

Features

Pin-and-socket contacts. Rated for use on 20-amp branch circuits.

All conductors are No. 12 AWG copper with 90°C thermoplastic insulation rated at 600 volts.

Component provides a fully rated No. 12 AWG grounding conductor.

Fixture leads are No. 18 AWG solid copper rated at 105°C with pushnut connectors for easy connection to ballast leads; wirenuts not required.

Lithonia access plate is included with the QFC and QSFC cables. The access plate can be snapped into place or discarded if not required. No fixture ground lead to connect. UL listed auto grounding feature eliminates the need for gound wire connection on each fixture.

Safety keying prevents accidental mating of components of different voltages and reverse polarity. Color-coded labels for quick voltage identification. Suitable for make or break under load.

Autolatching springs for easy male/female connections.

Quick-Flex® is manufactured from listed MC cable.

Listings

UL Listed to US and Canadian safety standards.

Caution: This product is not intended for installation in outdoor, damp or humid locations. Please consult with factory for use in any classified areas.

Factory-Installed Fluorescent Combo

Quick-Flex®

Intended Use

The Reloc® combo option provides the Quick-Flex® fixture cable pre-wired to a Lithonia fixture at the factory.

Ordering Information

Example: **2PM3N G B 3 32 18LD MVOLT 1/3 GEB**
QFC277 12/2G11A

The voltage for the QFC must be specified when ordered with a multi-volt ballast fixture. All Quick-Flex® products are voltage specific. The wiring instruction also must be included in the QFC description.

The QFC is prewired to the fixture and is easily snapped into place during the fixture installation.

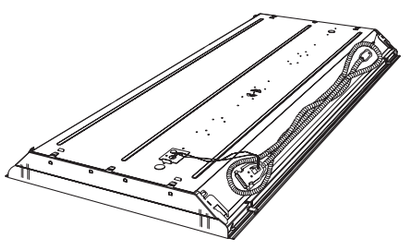
Dust covers are not included with the fluorescent combo option.

If extra dust covers are needed, they must be ordered separately: **QUICKFLEX DUST COVER J50**.

When ordered as a separate item, the dust covers will come in packs of 50 only. Orders must be entered in multiples of 50.

Combo Factory Wiring Instructions

Wiring Instruction Indicator	Wiring Description
A	All normal ballast(s) wired to hot 1.
B	All normal ballast(s) wired to hot 2 (12/3G cable only).
AB	All normal ballast(s) wired to hot 1 and hot 2 (12/3G cable only).
AE	All normal ballast(s) connect to hot 1; EL inverter connects to hot 2 (12/3G cable only).
NW	Cable packaged with fixture, not wired.



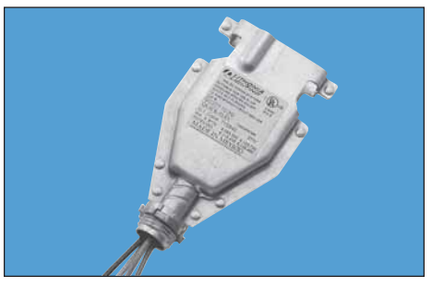
QC

Quick-Flex® Converter

Intended Use

Provides the interface between hardwiring and the Quick-Flex® system at the homerun location.

Conventional wiring methods bring power from the panel to the homerun location or above.

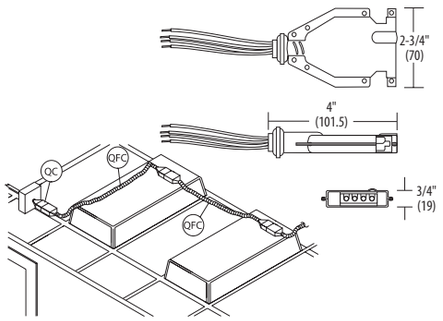


Ordering Information

Example: **QC277 12/3G**

Family	Voltage	Size and number of conductors	Length
QC	**120**	**12/3G** Three 12 AWG conductors plus one 12 AWG ground	(blank) 6" leads
	277		**09**
	347		**15**

Voltage Wire Color and Position			
Pin Position #	Pin Function	120V	277V & 347V
1	Hot 1	Black	Brown
2	N	White	White
3	G	Green[1]	Green[1]
4	Hot 2	Red	Orange



NOTES:
Three Quick-Flex® dust covers are included for every 10 pieces ordered.

Dimensions are shown in **inches (millimeters)**.

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
QC120 12/3G M10
QC277 12/3G M10

QFC

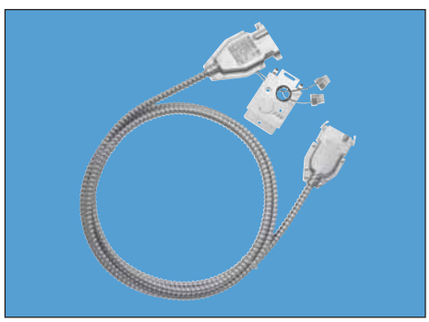
Quick-Flex® Fixture Cable

Intended Use

Male/female cable that provides power from fixture to fixture in the Quick-Flex® system.

Features

Access plate is preattached (standard) to QFC to provide quick, easy fixture installation. The access plate is not fully engaged to the fixture spring.

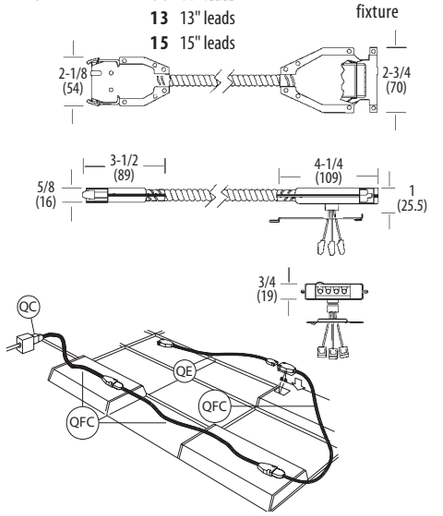


Ordering Information

Example: **QFC277 12/3G11**

Family	Voltage	Size and number of conductors	Length	Optional ground lead[1,2]
QFC	**120**	**12/2G** Two 12 AWG conductors plus one 12AWG ground	**07** 7" leads	**G** 18 AWG round lead dropped to fixture
	277	**12/3G** Three 12 AWG conductors plus one 12 AWG ground	**09** 9" leads	
	347		**11** 11" leads	
			13 13" leads	
			15 15" leads	

Voltage Wire Color and Position			
Pin Position #	Pin Function	120V	277V & 347V
1	Hot 1	Black	Brown
2	N	White	White
3	G	Green[1]	Green[1]
4	Hot 2	Red	Orange



NOTES:
1 UL Listed for auto ground. Use G option only when required by local codes.
2 G option is required in Canada.

Three Quick-Flex® dust covers are included for every 10 pieces ordered.

Dust covers are not included with factory combo option. See page 684 for combo wiring and ordering instructions.

Dimensions are shown in **inches (millimeters)**.

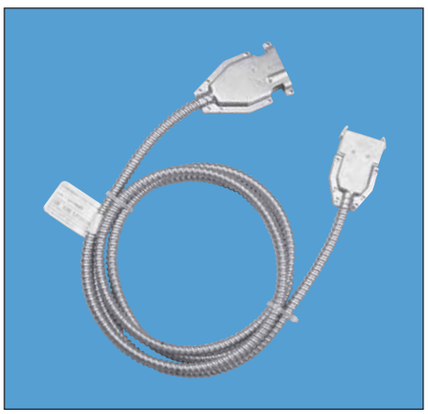
lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
QFC277 12/3G15 M5
QFC277 12/3G11 M10
QFC277 12/2G15 M5
QFC277 12/2G11 M10
QFC120 12/3G15 M5
QFC120 12/3G11 M10
QFC120 12/2G15 M5
QFC120 12/2G11 M10

www.lithonia.com, keywords: QC and QFC

QE

Quick-Flex® Extender Cable



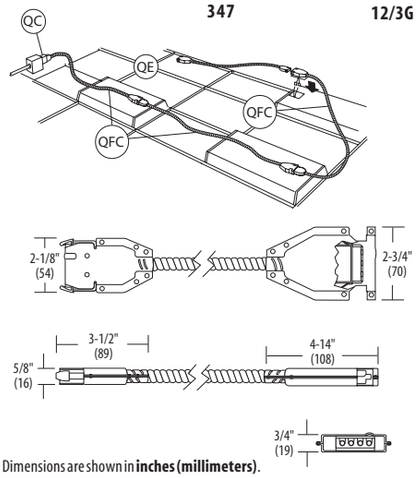
Intended Use

Male/female cable that provides additional length anywhere in the Quick-Flex® system.

Ordering Information

Example: **QE277 12/3G15**

Family	Voltage	Size and number of conductors		Length
QE	**120**	**12/2G**	Two 12 AWG conductors plus one 12AWG ground	**05**
	277	**12/3G**	Three 12 AWG conductors plus one 12 AWG ground	**09**
	347			**11**
				15
				21



Dimensions are shown in **inches (millimeters)**.

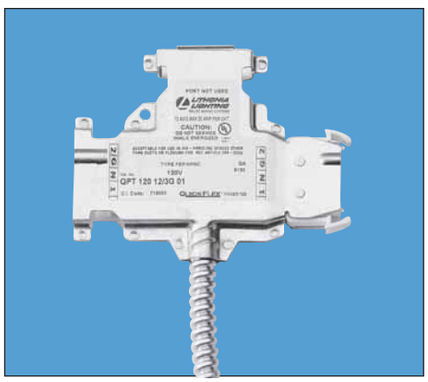
NOTES:
Three Quick-Flex® dust covers are included for every 10 pieces ordered.

lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
QE277 12/3G15 M5
QE120 12/3G15 M5

QPT

Quick-Flex® Power Tee



Intended Use

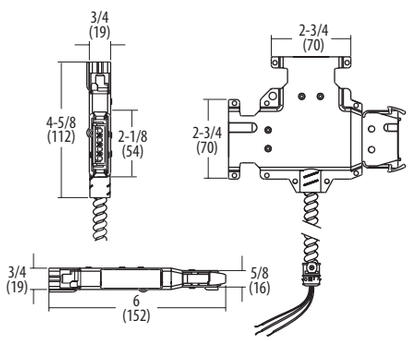
Carries power with the use of the Quick-Flex® extender (QE). Ideal for powering downlighting, under-floor systems, track light feeds, exit signs, unit equipment and power receptacles. Can be used in place of two existing products, the Quick-Flex® splitter (QS) and drop (QD).

Voltage Wire Color and Position			
Pin Position #	Pin Function	120V	277V & 347V
1	Hot 1	Black	Brown
2	N	White	White
3	G	Green[1]	Green[1]
4	Hot 2	Red	Orange

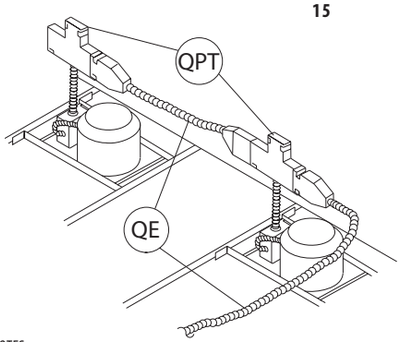
Ordering Information

Example: **QPT277 12/3G01**

Family	Voltage	Size and number of conductors		Length
QPT[1]	**120**	**12/3G**	Three 12 AWG conductors plus one 12 AWG ground	**01**
	277			**09**
	347			**15**



Dimensions are shown in **inches (millimeters)**.



NOTES:
Top port not used on standard product. Consult factory for integrated splitter option.

Three Quick-Flex® dust covers are included for every 10 pieces ordered.

QSFC

Quick-Flex® Starter Fixture Cable

Intended Use

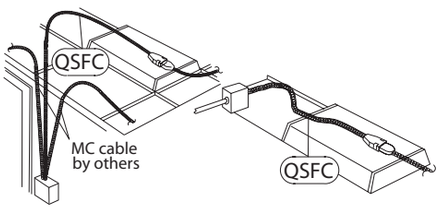
Combination of converter (QC) and fixture cable (QFC). Wires directly into homerun junction box, switch box or junction box above switch location; provides power to first fixture from that location.

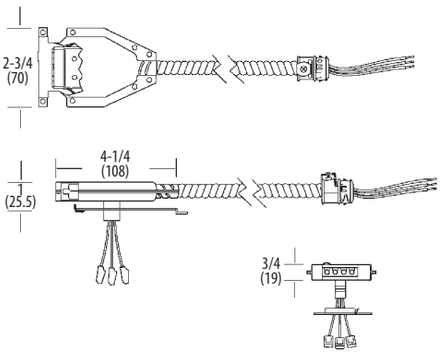


Ordering Information

Example: **QSFC277 12/3G15**

Family	Voltage	Size and number of conductors	Length	Optional ground lead[1,2]
QSFC	**120**	**12/2G** Two 12AWG conductors plus one 12AWG ground	**09**	**G** 18 AWG round lead dropped to fixture
	277	**12/3G** Three 12AWG conductors plus one 12AWG ground	**11**	
	347		**13**	
			15	





NOTES:
1 UL Listed for auto ground. Use G option only when required by local codes.
2 G option is required in Canada.

Three Quick-Flex® dust covers are included for every 10 pieces ordered.

Dimensions are shown in **inches (millimeters)**.

Voltage Wire Color and Position			
Pin Position #	Pin Function	120V	277V & 347V
1	Hot 1	Black	Brown
2	N	White	White
3	G	Green[1]	Green[1]
4	Hot 2	Red	Orange

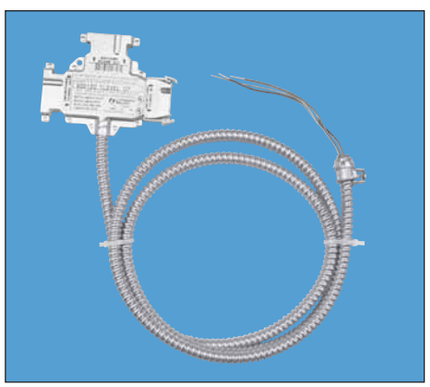
QSD

Quick-Flex® Switch Drop

Intended Use

Located above the primary switch location to interface local switching to the Quick-Flex® system.

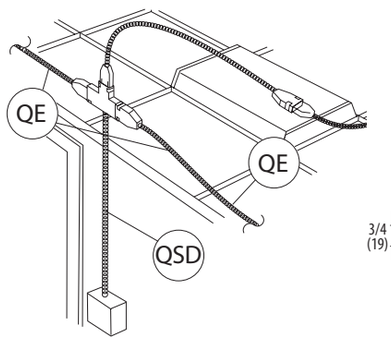
Provides local switched power for fixtures and the ability to carry on unswitched power to the next location through the use of a Quick-Flex® extender (QE).

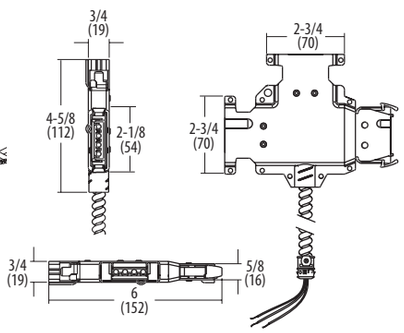


Ordering Information

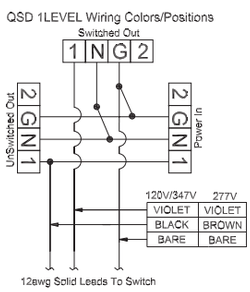
Example: **QSD277 2level01**

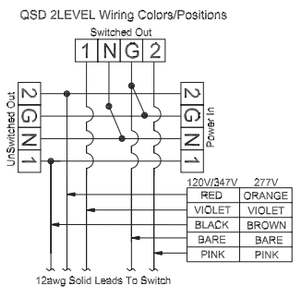
Family	Voltage	Size and number of conductors	Length
QSD	**120**	**1level** Two 12 AWG conductors plus 12AWG ground	**01**
	277	**2level** Four 12 AWG conductors plus 12AWG ground	**09**
	347	**1level/N** Two 12 AWG conductors plus 12AWG ground and 12 AWG neutral	





Dimensions are shown in **inches (millimeters)**.

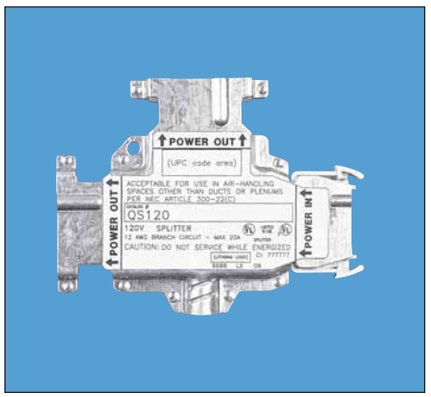




www.lithonia.com, keywords: QSFC and QSD

QS

Quick-Flex® Splitter



lightquick® XD
Express delivery products.
See page11 for details about LightQuick XD.

Description
QS277 12/3G M10
QS120 12/3G M10

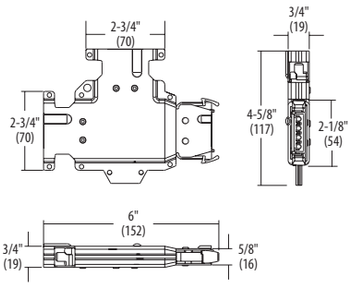
Intended Use

Separates the branch circuit into two directions. The QS is a male/female component that can be used anywhere throughout the Quick-Flex® system.

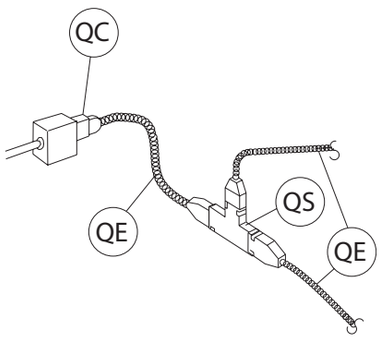
Ordering Information

Example: **QS277 12/3G**

Family	Voltage	Size and number of conductors	
QS	**120** **277** **347**	**12/3G**	Three 12 AWG conductors plus one 12 AWG ground



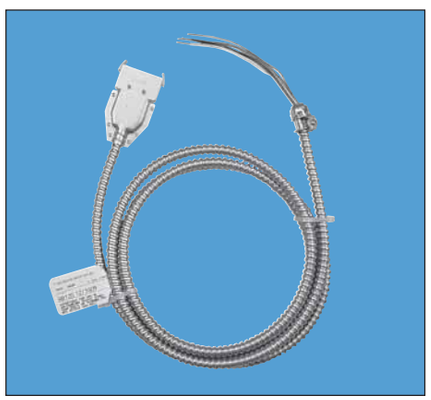
Dimensions are shown in inches **(millimeters)**.



NOTES:
Three Quick-Flex® dust covers are included for every 10 pieces ordered.

QD

Quick-Flex® Drop Cable



Voltage Wire Color and Position			
Pin Position #	Pin Function	120V	277V & 347V
1	Hot 1	Black	Brown
2	N	White	White
3	G	Green[1]	Green[1]
4	Hot 2	Red	Orange

Intended Use

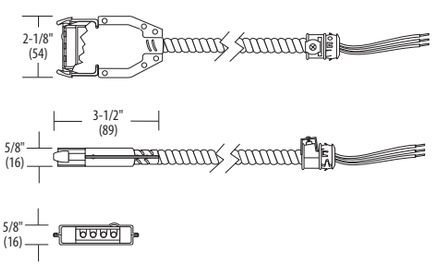
Provides power to electrical devices, which allows them to become part of the Quick-Flex® system.

Provides power integration of other electrical devices into the Quick-Flex® system, such as exit signs, unit equipment, downlights, track lights, and power receptacles. Must be used in conjunction with Quick-Flex® splitter (QS).

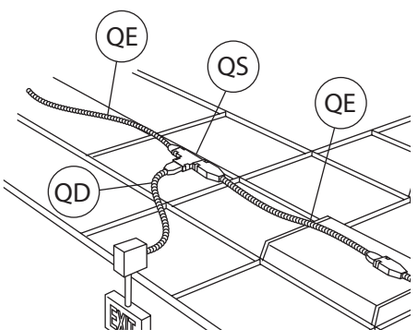
Ordering Information

Example: **QD277 12/3G09**

Family	Voltage	Size and number of conductors		Length
QD	**120** **277** **347**	**12/2G**	Two 12 AWG conductors plus one 12 AWG ground	**01** **09** **15**
		12/3G	Three 12 AWG conductors plus one 12 AWG ground	



Dimensions are shown in inches **(millimeters)**.



NOTES:
Three Quick-Flex® dust covers are included for every 10 pieces ordered.

Step 1

Count the number of fixtures.

Layout example (see below) shows 11 type A fixtures, two type A1 fixtures and two type B fixtures.

17 fixtures to wire.

Step 2

Determine length of cables.

Measure fixture centers. Cable length should be the length that covers 85 percent of fixtures, plus one foot. Layout example shows all fixtures are on 8-foot centers.

9-foot cables are needed.

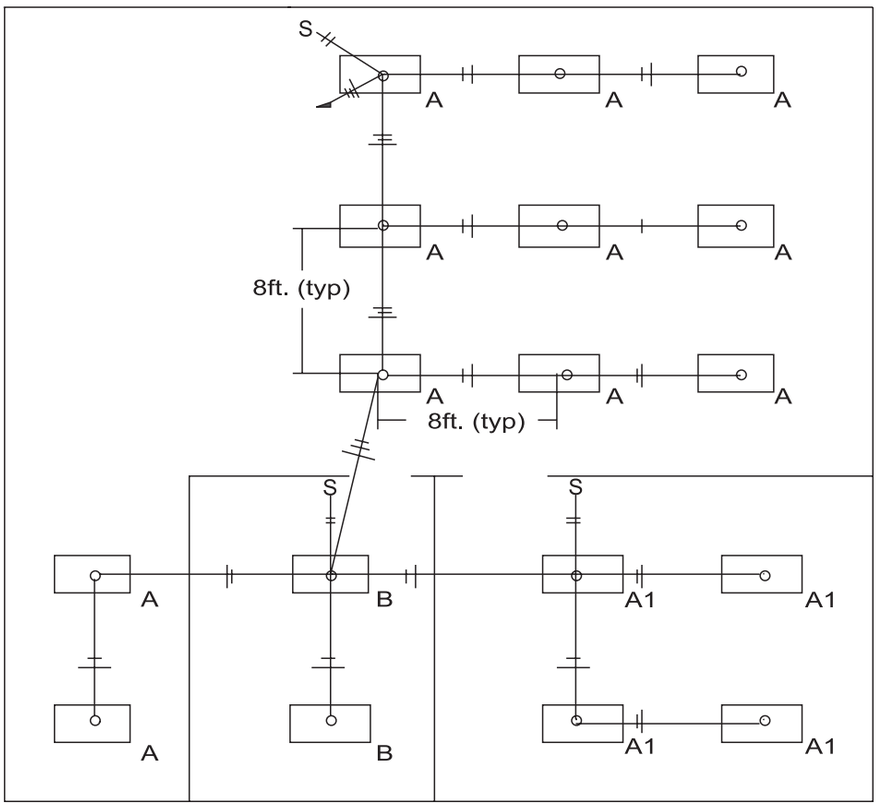
Step 3

Determine number of conductors.

(Determined by number of switches in a room). Layout example shows all rooms have single-level switching (See Guide to Conductors below for details).

Use 12/2G conductors.

Layout Example



Guide to Conductors

Symbol	*Description*
S	Single-pole switch; requires 12/2G conductors.
SS	Two single-pole switches; requires 12/3G conductors.
S ◥	Single-pole switch with emergency/night-light; requires 12/3G conductors.

Based on the results from steps 1-3, establish a bill of materials.

Using the **percent factors** shown at right, calculate the number of components required. *To make the calculations, use the number of fixtures in Step 1 as 100 percent.*

Example: *Percent factor for QE cables is 15 percent.*

17 X .15 = 2.5 (round up to 3)

3 QE extender cables are needed.

Use the percent factors below to calculate the required numbers of Quick-Flex® components.

Component[1]	Description	***Percent Factor***	*Quantity to order*
QFC ___ 12/2G09	Fixture cables to wire the 17 fixtures.	**100%**	17
QE ___ 12/2G09	Extender cables for extra length where needed.	**15%**	3
QS ___ 12/3G	Splitter for wiring in more than one direction.[2]	**3%**	1
QC___12/3G	Converters to connect Reloc® system to hardwiring[3]	**12%**	3

NOTES:

1 Must specify voltage. Example: QFC **120** 12/2G09.

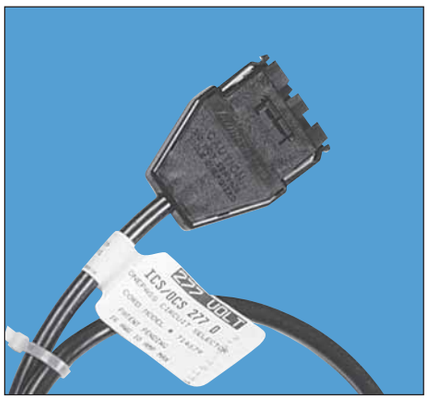
2 QS available only with 12/3G conductors.

3 QC available only with 12/3G conductors.

If Quick-Flex® switchdrops (QSD) are required, each switch location must be counted to determine the exact quantity of QSDs needed. For each homerun location, one Quick-Flex® convertor (QC) is needed.

OnePass®

Patented OnePass® Circuit Selector



NOTE:
The catalog number for OnePass® dust cover is RDC3 METAL DUST COVER J50. If extra dust covers are needed, they must be ordered separately and in multiples of 50. Dust covers come in packs of 50 only.

The OnePass® circuit selector features a unique thumbslide action that allows you to choose the desired hot conductor(s) to energize each fixture in the field. The OCS and non-selectable OCU permit disconnecting the fixture without disrupting the power downstream.

The OCS enables all fixtures to be wired the same way, with the ability to select the appropriate circuit when the fixture is installed. For future changes, simply unplug the OCS and select a different circuit.

Intended Use

The OnePass® system offers quick installation of industrial fixtures plus the flexibility to relocate fixtures in the future. Patented components allow both fixtures and wiring to be installed at the same time or in one pass, significantly reducing labor.

Features

Pin-and-socket contacts.

Rated for use on 20-amp branch circuits.

Safety keying prevents accidental mating of components of different voltages. Color-coded labels for quick voltage identification.

Each conductor and position is properly identified for easy circuit identification throughout the system.

Circuit selector (OCS) is No. 16AWG rubberized cord with 105°C thermoplastic insulation, conductors rated at 600V. Starter cable, 2-port (OSC2) and OnePass cable, 2-port (OC2) are 10AWG or 12AWG, MC cable with 90°C thermoplastic insulation and conductors rated at 600V.

Fixture removal may be accomplished without interrupting the branch circuit wiring.

Component design allows removal without additional components. Suitable for make or break under load.

Replaces conventional cord and plug. Uniquely keyed for industrial/open-ceiling applications.

Housing components are constructed of textured, high-impact, polymeric compound (OCS). Patent No. 5,679,016 (OCS).

All unused parts are required to be covered. The RDC3 is the dust cover for the OnePass® system. If extra dust covers are needed, they can be ordered separately: RDC3 METAL DUST COVER J50.

Listings

UL Listed to U S and Canadian safety standards.

Caution: This product is not intended for installation in outdoor, damp or humid locations. Please consult with factory for use in any classified areas.

OCS

OnePass® Circuit Selector



Voltage Wire Color and Position					
120V & 277V Pin Position #	Pin Function	Wire Color	208V, 240V & 480V Pin Position #	Pin Function	Wire Color
1	G	Green	1	G	Green
2	Hot 1 (Selectable)	▼	2	Hot 1 (Selectable)	Black
3	Hot 2 (Selectable)	Black	3	Hot 2 (Selectable)	White
4	Hot 3 (Selectable)	▲	4	Hot 3 (Selectable)	▼
5	N	White	5	N	NA[6]

▲ and ▼ denote switch movement

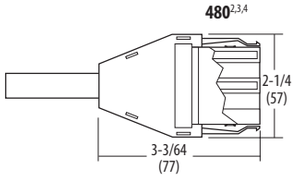
Intended Use

A plug-in connection for open ceiling fixtures. Prewired by fixture manufacturer or field installed by contractor.

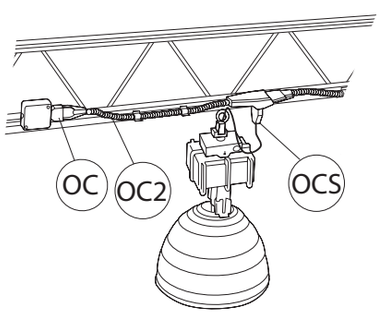
Ordering Information

Example: **OCS 277 05 WH**

Family	Voltage	Cable length (ft.)	Cord color
OCS	**120**[1]	**05**	**WH** White cord[5]
	277[1]	**10**	**BK** Black cord
	347	**15**	
	208[2,3,4]	**20**	
	240[2,3,4]		
	480[2,3,4]		



NOTES:
1 120 and 277V 2 circuit 2 neutral applications require the OCU to pick up the second Hot and Neutral.
2 For 2-circuit 480, 240 and 208V applications, the OCU is required to pick up the 2nd circuit.
3 480, 240 and 208V OCS has 2 selector switches. This allows the selectability to operate the fixture on any combination of phase circuit A, B or C.
4 Consult factory for voltages.
5 White 5ft. cord is standard.
6 No wire in 5th position.



Dimensions shown in **inches (millimeters)**.

www.lithonia.com, keyword: OCS

OSC2

OnePass® Starter Cable, 2-Port

Intended Use

Provides the interface between hardwiring and the Reloc® wiring system. A converter and extender in one component. The OSC2 is wired into the homerun junction box and brings power to the OCS, OCU or OD.

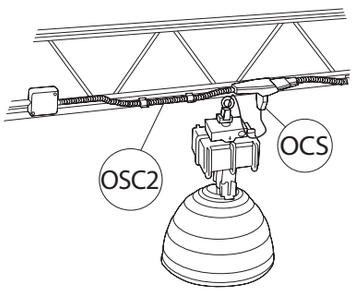
Ordering Information

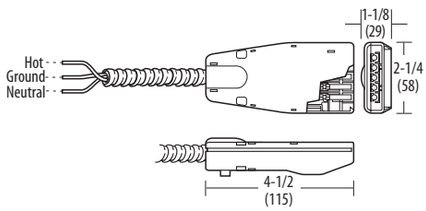
Example: **OSC2 277 12/4G 09**

Family	Voltage	Number of conductors	Cable length (ft.)	Options
OSC2	**120**	**12/2G** Two No. 12 AWG conductors plus one No. 12 AWG ground	**09**	**2N** Two circuit, two neutral; available only in 12/4G conductors only.
	277		**15**	
	347	**12/3G** Three No. 12 AWG conductors plus one No. 12 ground	**21**	
	208[1]	**12/4G** Four No. 12 AWG conductors plus one No. 12 ground	**25**	
	240[1]	**10/2G** Two No. 10 AWG conductors plus one No. 10 AWG ground	**31**	
	480[1]	**10/3G** Three No. 10 AWG conductors plus one No. 10 ground		
		10/4G Four No. 10 AWG conductors plus one No. 10 ground		

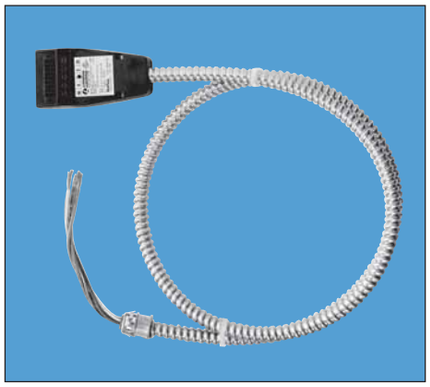
NOTES:
1 Consult factory for voltages.

Three RDC3 dust covers included with every 10 ordered pieces.





Dimensions are shown in **inches (millimeters)**.



Voltage Wire Color and Position					
Pin Position	Pin Function	120/347V	208/240V	277V	480V
1	G	Green	Green	Green	Green
2	Hot1	Black	Black	Brown	Brown
3	Hot2	Red	Red	Orange	Orange
4	Hot3	Blue	Blue	Yellow	Yellow
5	N	White	Violet	Gray	Violet

NOTE: Two neutral (2N) products have gray (120V) white (277V) in 4th position. 208V/240V/480V is hot, provided with Hot in 5th position (12/4G).

OC

OnePass® Circuit Distributor

Intended Use

Provides the interface between hardwiring and the Reloc® wiring system at homerun location.

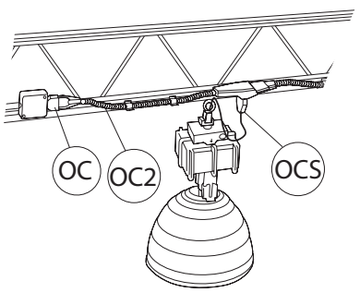
Ordering Information

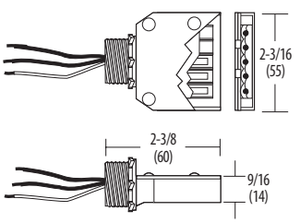
Example: **OC 277 12/4G**

Family	Voltage	Number of conductors	Options
OC	**120**	**12/4G** Four No. 12 AWG conductors plus one No. 12 ground	**2N** Two circuit, two neutral; available only in 12/4G conductors only.
	277		
	347		
	208[1]		
	240[1]		
	480[1]		

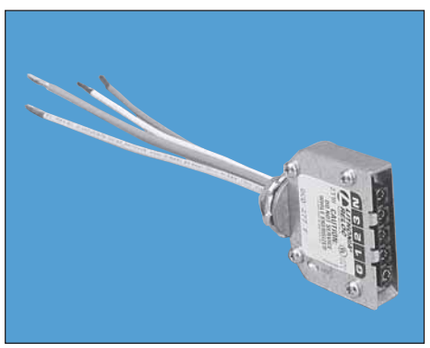
NOTES:
1 Consult factory for voltages.

Three RDC3 dust covers included with every 10 ordered pieces.
Not available in 10 AWG.





Dimensions are shown in **inches (millimeters)**.



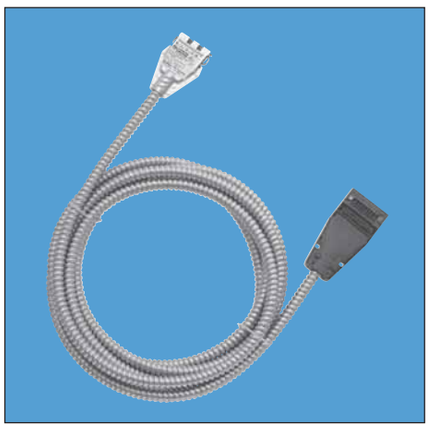
Voltage Wire Color and Position					
Pin Position	Pin Function	120/347V	208/240V	277V	480V
1	G	Green	Green	Green	Green
2	Hot1	Black	Black	Brown	Brown
3	Hot2	Red	Red	Orange	Orange
4	Hot3	Blue	Blue	Yellow	Yellow
5	N	White	Violet	Gray	Violet

NOTE: Two neutral (2N) products have gray (120V) white (277V) in 4th position. 208V/240V/480V is hot, provided with Hot in 5th position (12/4G).

www.lithonia.com, keywords: OSC2 and OC

OC2

OnePass® Cable, 2-Port



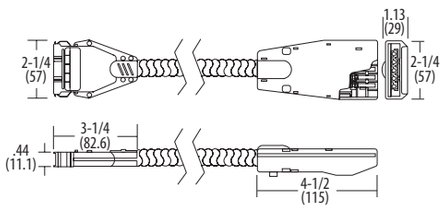
Intended Use

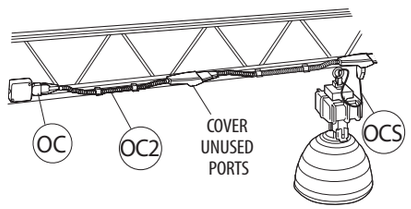
A splitter and cable extender in one easy-to-use component. Used to bring power to OCS, OCU or an OD in industrial applications, or to split a circuit into two directions.

Ordering Information

Example: **OC2 277 12/4G 09**

Family	Voltage	Number of conductors	Cable length (ft.)	Options
OC2	**120**	**12/2G** Two No. 12 AWG conductors plus one No. 12 AWG ground	**09**	**2N** Two circuit, two neutral; available only in 12/4G conductors only.
	277	**12/3G** Three No. 12 AWG conductors plus one No. 12 ground	**15**	
	347	**12/4G** Four No. 12 AWG conductors plus one No. 12 ground	**21**	
	208[1]	**10/2G** Two No. 10 AWG conductors plus one No. 10 AWG ground	**25**	
	240[1]	**10/3G** Three No. 10 AWG conductors plus one No. 10 ground	**31**	
	480[1]	**10/4G** Four No. 10 AWG conductors plus one No. 10 ground		





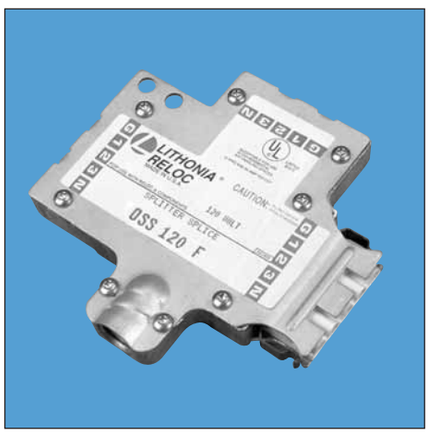
NOTES:
1 Consult factory for voltages.

Three RDC3 dust covers included with every 10 ordered pieces.

Dimensions shown in **inches (millimeters)**.

OSS

OnePass® Splitter Splice



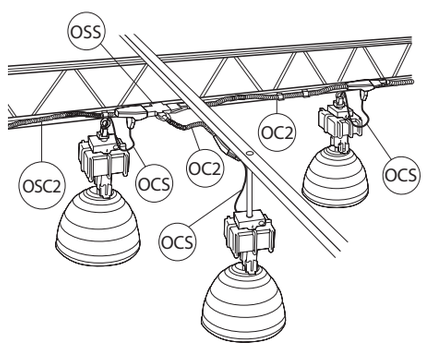
Intended Use

Splits a branch circuit into two directions. Male/female component that can be used anywhere in the OnePass® system.

Ordering Information

Example: **OSS 277 12/4G**

Family	Voltage	Number of conductors
OSS[1]	**120**	**12/2G**
	277	**12/3G**
	347	**12/4G**
	208[2]	
	240	
	480[2]	



NOTES:
1 Consult factory for voltages.
2 BSS not available in 10AWG.

OCU

OnePass® Cord Unselectable

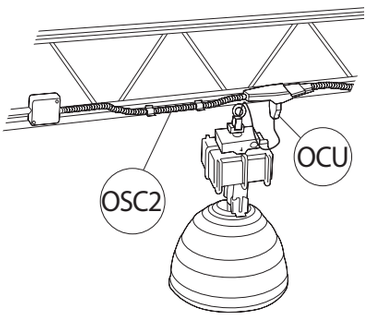
Intended Use

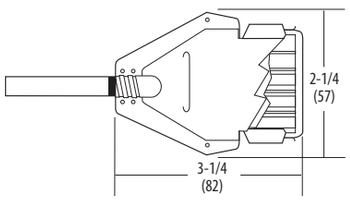
A polarized, non-circuit, selectable plug-in connection for industrial fixtures. Prewired by fixture manufacturer or field installed by contractor.

Ordering Information

Example: **OCU 480 TAP12 05 WH**

Family	Voltage	Tap from position	Cord length (ft.)	Options
OCU	**120**	**TAP2** 2	**05**	**2N** Two circuit, two neutral; available in TAP2 tap position only
	277	**TAP12** 1 and 2	**10**	
	208[1]	**TAP34** 3 and 4	**15**	**WH** White cord
	240[1]	**TAP1** 1	**20**	**BK** Black cord
	480[1]	**TAP3** 3		
		TAP23 2 and 3		
		TAP123 1 and 2 and 3		





Dimensions shown in **inches (millimeters)**.



NOTES:
1 Consult factory for voltages.
2 White SFT cord is standard.

OD

OnePass® Drop Cable

Intended Use

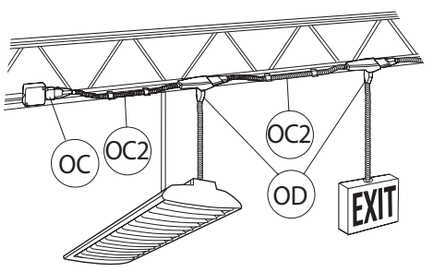
Allows miscellaneous devices (exits, emergency units, etc.) to become part of the OnePass® system to be field installed by contractor. Also a plug-in connection for industrial fixtures that can be prewired by fixture manufacturer or field installed by contractor.

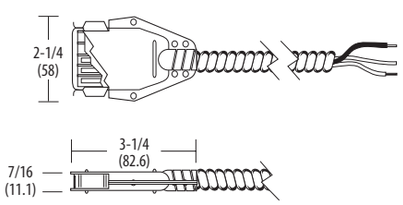
Ordering Information

Example: **OD 277 12/2G 15**

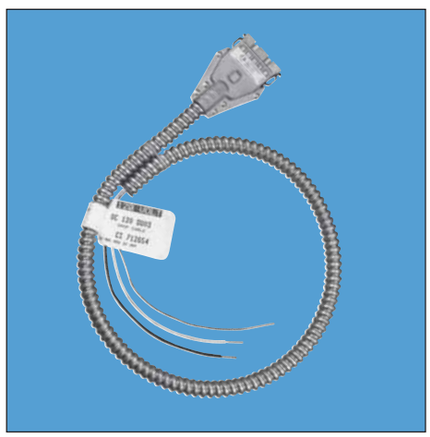
Family	Voltage	Number of conductors	Cable length (ft.)	Options
OD	**120**	**12/2G** Two No. 12 AWG conductors plus one No. 12 AWG ground	**05**	**2N** Two circuit, two neutral; available in 12/4G conductors only.
	277	**12/3G** Three No. 12 AWG conductors plus one No. 12 ground	**10**	
	208[1]	**12/4G** Four No. 12 AWG conductors plus one No. 12 ground	**15**	
	240[1]		**20**	
	480[1]			

NOTES:
1 Consult factory for voltages.





Dimensions are shown in **inches (millimeters)**.



Voltage Wire Color and Position					
Pin Position	Pin Function	120/347V	208/240V	277V	480V
1	G	Green	Green	Green	Green
2	Hot1	Black	Black	Brown	Brown
3	Hot2	Red	Red	Orange	Orange
4	Hot3	Blue	Blue	Yellow	Yellow
5	N	White	Violet	Gray	Violet

NOTE: Two neutral (2N) products have gray (120V) white (277V) in 4th position. 208V/240V/480V is hot, provided with Hot in 5th position (12/4G).

www.lithonia.com, keywords: OCU and OD

OnePass® 1-2-3 Bill of Materials Guide

Step 1

Count the number of fixtures.

Layout example (see below) shows 18 type H fixtures.

17 fixtures to wire.

Step 2

Determine length of cables.

Measure fixture centers. Cable length should be the length that covers 85 percent of fixtures. Layout example shows all fixtures are on 15-foot centers.

15-foot cables are needed.

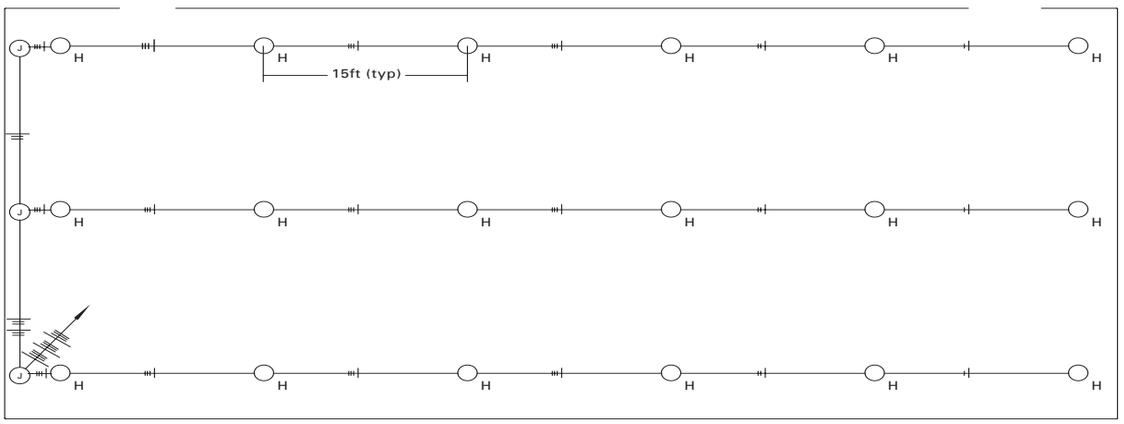
Step 3

Determine number of conductors.

Determined by maximum number of short vertical marks in the layout. Layout example shows three short vertical marks. (See Guide to Number of Conductors below for details).

Use 12/4G conductors.

Layout Example



Guide to Number of Conductors

Symbol	*Description*
	One short vertical mark indicates 12/2G conductors are required.
	Two short vertical marks indicate 12/3G conductors are required.

Symbol	*Description*
	Three short vertical marks indicate 12/4G conductors are required.

NOTE: Long vertical mark denotes neutral.

Based on the results from steps 1-3, establish a bill of materials.

Using the **percent factors** shown at right, calculate the number of components required. *To make the calculations, use the number of fixtures in Step 1 as 100 percent.*

Example: *Percent factor for OC converters is 13 percent.*

18 X .13 = 2.34 (round up to 3)

3 OC converters are needed.

Use the percent factors below to calculate the required numbers of OnePass® components.

Component[1]	Description	***Percent factor***	*Quantity to order*
OC2 ___ 12/4G15	Cables to wire the 18 fixtures.	**100%**	18
OCS ___ __[2]	Circuit selectors to connect the 18 fixtures.	**100%**	18
OC ___ 12/4G	Converters to connect Reloc system to hardwiring.	**13%**	3

NOTES:

1 Must specify voltage. Example: OC2 277 12/4G 15.

2 Must specify length of OCS in feet. Example: OCS 120**05** WH.

Reloc® specialty lighting and power products provide maximum flexibility and unique capabilities for full system integration where more complex wiring schemes are required. This includes raised floor and modular convenience power applications such as retail displays, gondolas, kiosks and checkout registers.



DUP

By utilizing Reloc® prewired power poles (PP1, PP2 or PP3), distribution boxes (DB) and duplexes (DUP), you can configure a system that meets your requirements, installation costs and maximizes future flexibility.



DB



PP

Specialty Lighting



Intended Use

Five-wire system accommodates applications requiring three circuits with a common neutral; or two circuit; two neutral or two circuits, one neutral and an isolated ground.

Features

Rated for use on 20-amp branch circuits. Pin-and-socket contacts.

All conductors are No. 12AWG copper with 90°C thermoplastic insulation rated at 600 volts.

Safety keying prevents accidental mating of components of different voltages and reverse polarity.

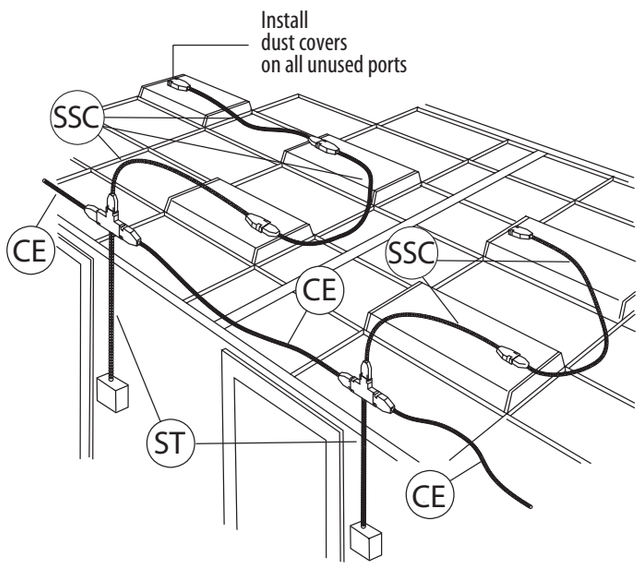
Color-coded labels for quick voltage identification.

Additional labeling properly denotes type and position of each conductor.

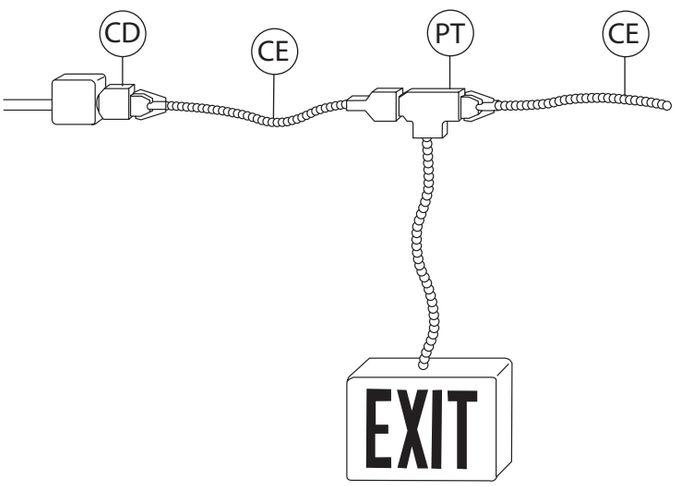
Autolatching springs prevent accidental disengagement.

Caution: This product is not intended for installation in outdoor, damp or humid locations. Please consult with factory for use in any classified areas.

Specialty Lighting System View



Reloc® 820 Power Tee



Power Wiring

Intended Use

Five-wire system accommodates applications requiring three circuits with a common neutral; or two circuit two neutral; or two circuit, one neutral and an isolated ground.

Features

Rated for use on 20-amp branch circuits. Pin-and-socket contacts.

All conductors are No. 12 AWG copper with 90°C thermoplastic insulation rated at 600 volts.

Safety keying prevents accidental mating of components for different voltages and reverse polarity.

Color-coded labels for quick voltage identification.

All conductors are clearly identified on the product to simplfy the installation.

All components provide a fully rated No. 12 AWG grounding conductor.

Isolated ground conductor option available. Installs through standard 1" trade-size knockout.

6" of exposed leads, prestripped for easy wiring.

Duplexes supported for new construction and modular cabinets. Single and double duplexes are available.

Standard and clean power (isolated ground) are available with certain components.

Power poles are available in a wide variety of optional finishes.

All unused ports are required to be covered. The RDC3 is the dust cover for the specialty lighting and power system.

If extra dust covers are needed, they are to be ordered separately: RDC3 METAL DUST COVER J50.

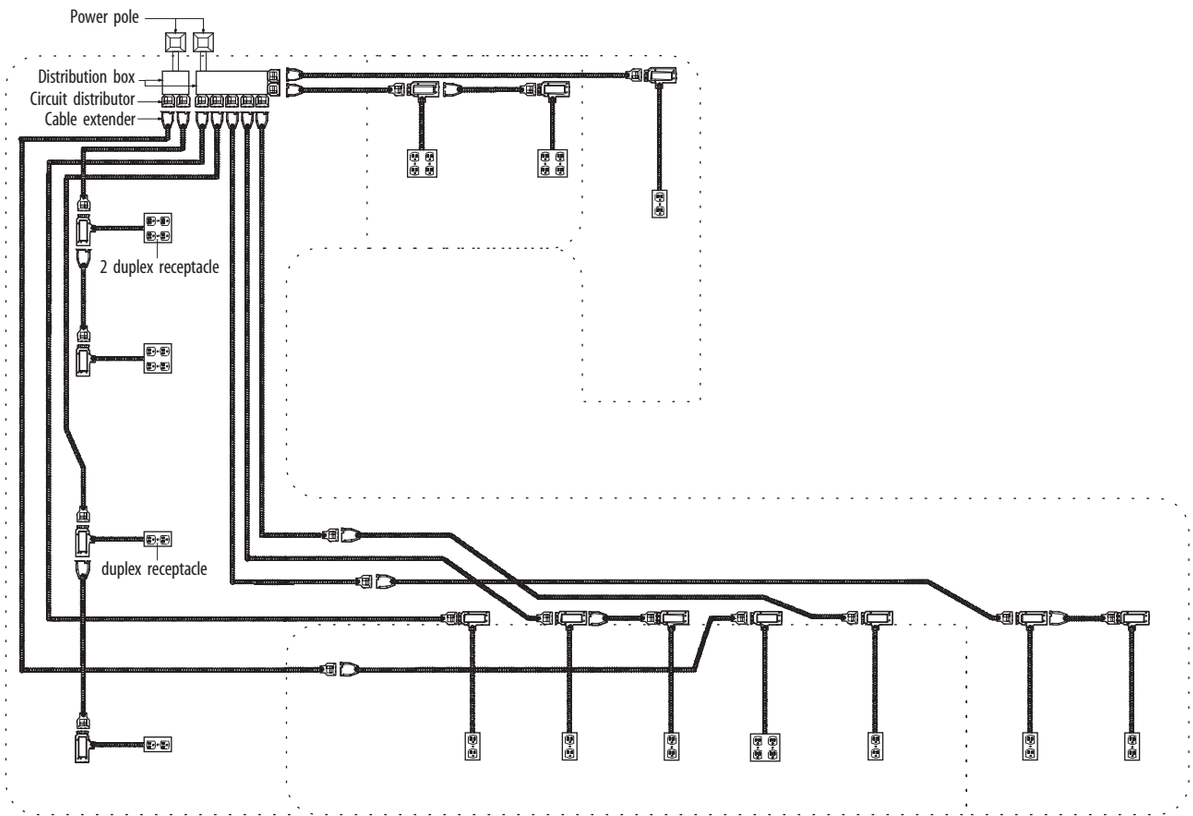
Listings

UL Listed. CSA Certified. Distribution boxes (DB) are UL Listed only.



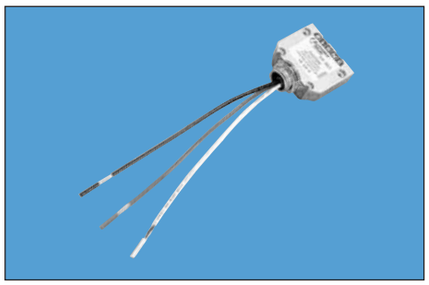
Counter Power System View

NOTE: All unused ports require a dust cover.



CD

820 Circuit Distributor



Voltage Wire Color and Position			
Pin Position	Pin Function	120/347V	277V
1	Hot2	Red	Brown
2	Hot1	Black	Yellow
3	G	Green	Green
4	N	White	White
5	Hot3	Blue	Orange

NOTE: Two neutral (2N) products provided with gray (120V) white (277V) in 5th position. Isolated ground wire option (IGW) provided with Yellow/Green (120V only) wire in the 5th position.

Intended Use

Provides interface between hardwiring and the Reloc® wiring system. Conventional wiring methods bring power from panel to homerun location, where CD is installed.

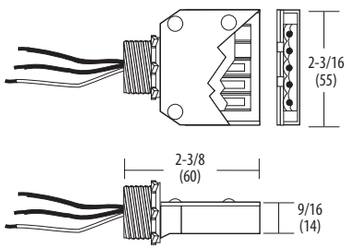
Ordering Information

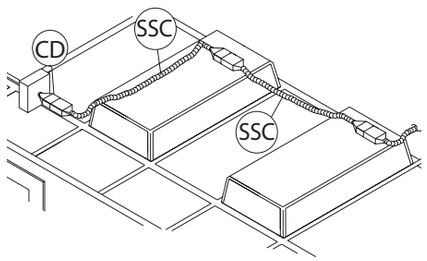
Example: **CD 120 F CSA**[1]

Family	Voltage	Number of conductors	Options
CD	**120**	**D** Three	**IGW** Isolated ground wire; available with 120V and conductor only
	277	**E** Four	**2N** Two circuit, two neutral; available with 120V, 277V and 347V; F conductors only
	347	**F** Five	**CSA** CSA Certified

NOTES:
1 Must add CSA suffix for certification.

Three dust covers are included for every 10 pieces ordered.

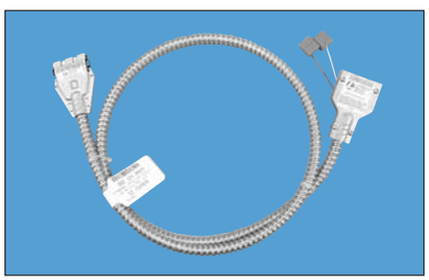




Dimensions are shown in **inches (millimeters)**.

SSC

820 Standard Selector Cable



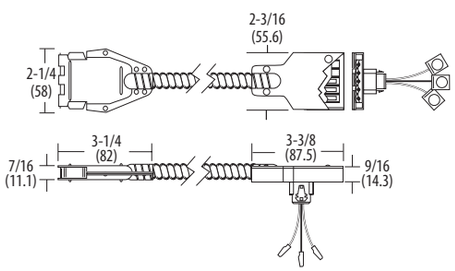
Intended Use

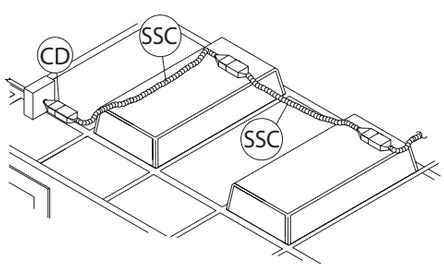
Male/female cable, provides power from fixture to fixture. Attaches to access plate or through ½-inch trade-size knockout.

Ordering Information

Example: **SSC 120 F U 11 CSA**[1]

Family	Voltage	Number of conductors	Factory keying	Cable length (ft.)	Options
SSC	**120**	**D** Three	**U**	**09**	**2N** Two circuit, two neutral; available with F conductor only
	277	**E** Four		**11**	**G** Ground lead with lug terminal (Required in Canada)
	347	**F** Five		**13**	**CSA** CSA Certified
				15	





NOTES:
1 Must add CSA suffix for certification.
2 Three dust covers are included for every 10 pieces ordered.

Dimensions are shown in **inches (millimeters)**.

CE

820 Cable Extender

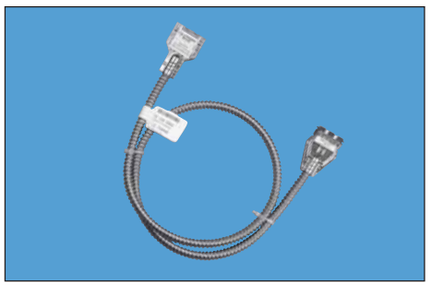
Intended Use

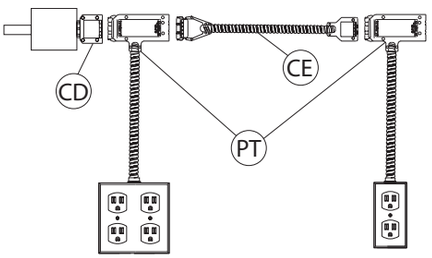
Male/female cable that provides additional length anywhere throughout the Reloc® system.

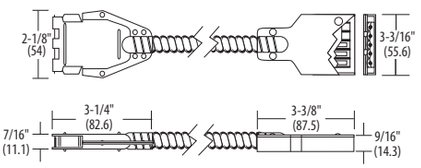
Ordering Information

Example: **CE 277 F U 11 2N CSA**[1]

Family	Voltage	Number of conductors	Factory keying	Cable length (ft.)	Options
CE	**120** **277** **347**	**D** Three **E** Four **F** Five	**U**	**09** **11** **15** **21** **25**	**IGW** Isolated ground wire; available only with 120V and F conductor **2N** Two circuit, two neutral; available with 120, 277 and 347V; F conductor only **CSA** CSA Certified







Dimensions are shown in **inches (millimeters)**.

NOTES:
1 Must add CSA suffix for certification.

Three dust covers are included for every 10 pieces ordered.

ST

820 Switching Tee

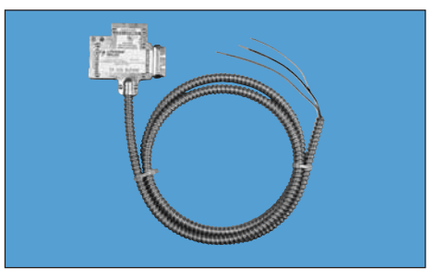
Intended Use

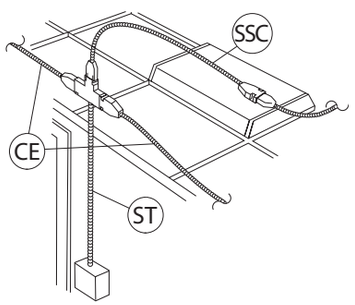
Introduces local switching to Reloc® systems. Located above primary switch location; provides local switched power and unswitched power to be used as needed.

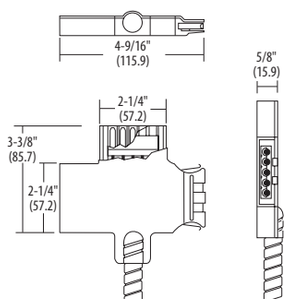
Ordering Information

Example: **ST 277 D1 P U 08 CSA**[1]

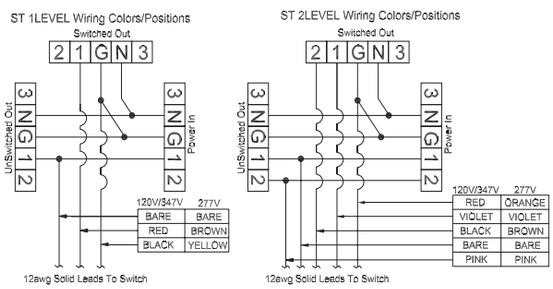
Family	Voltage	Number of conductors	Switching function	Drop type	Factory keying	Drop length (ft.)	Options
ST	**120** **277** **347**	**D** Three **E** Four **F** Five	**1** Single level **2** Two level (D and E conductors only)	**P** Protected	**U**	**08**	**N** Neutral provided in drop (available with D conductor only) **CSA** CSA Certified







Dimensions are shown in **inches (millimeters)**.

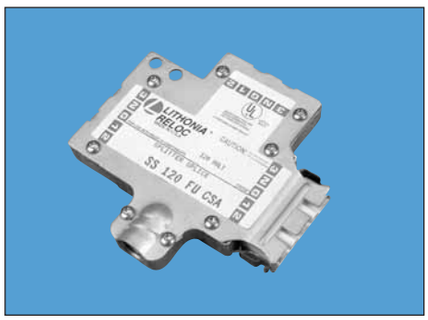


NOTES:
1 Must add CSA suffix for certification.

www.lithonia.com, keywords: CE and ST

SS

820 Splitter Splice



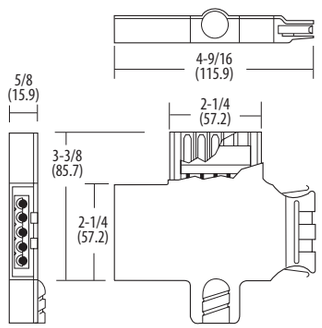
Intended Use

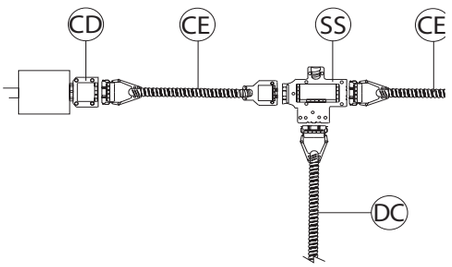
Used to split branch circuit into two directions in commercial or power applications.

Ordering Information

Example: **SS 277 F U CSA**[1]

Family	Voltage	Number of conductors	Factory keying	Option
SS	**120** **277** **347**	**F** Five	**U**	**IGW** Isolated ground wire; available only with 120V and F conductor. **2N** Two circuit, two neutral; available with 120, 277 and 247V; F conductor only. **CSA** CSA Certified



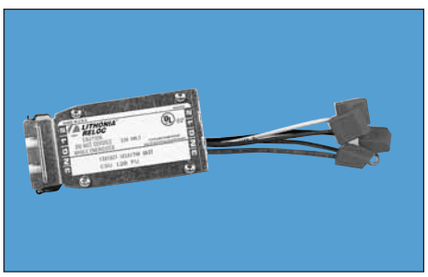


NOTES:
1 Must add CSA suffix for certification.

Dimensions are shown in **inches (millimeters)**.

CSU

820 Circuit Selector Unit



Intended Use

Provides wiring of any device through 1/2" trade-size knockout. CSU uses No. 12 AWG leads, allowing full circuit access.

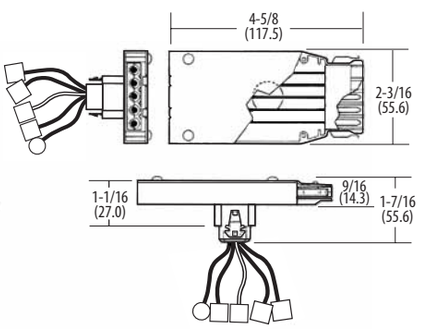
Ordering Information

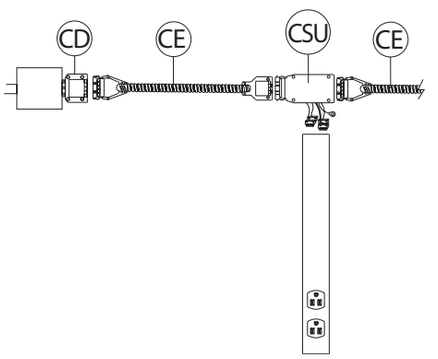
Example: **CSU 120 F U CSA**[1]

Family	Voltage	Number of conductors	Factory keying	Option
CSU	**120** **277** **347**	**F** Five	**U**	**IGW** Isolated ground wire; available only with 120V and F conductor. **2N** Two circuit, two neutral; available with 120, 277 and 247V; F conductor only. **CSA** CSA Certified

Voltage Wire Color and Position			
Pin Position	Pin Function	120/347V	277V
1	Hot2	Red	Brown
2	Hot1	Black	Yellow
3	G	Green	Green
4	N	White	White
5	Hot3	Blue	Orange

NOTE: Two neutral (2N) products provided with gray (120V) white (277V) in 5th position. Isolated ground wire option (IGW) provided with Yellow/Green (120V only) wire in the 5th position.





NOTES:
1 Must add CSA suffix for certification.

Dimensions are shown in **inches (millimeters)**.

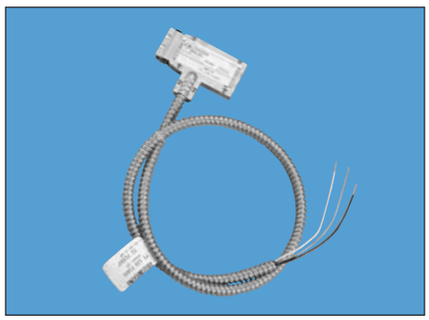
www.lithonia.com, keywords: SS and CSU

PT

820 Power Tee

Intended Use

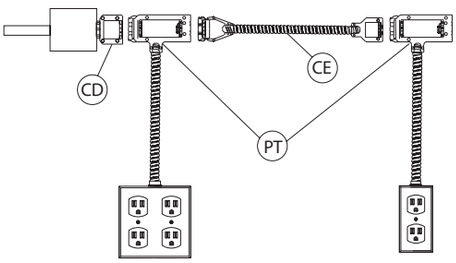
A through-wired component that makes it possible to select which branch circuit conductor feeds a specific device. Also provides power to devices used on convenience power, access floor systems and commercial lighting.

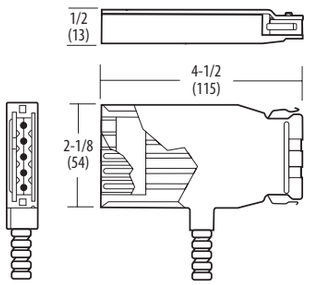


Ordering Information

Example: **PT 120 F1 A 03 CSA**[1]

Family	Voltage	Number of conductors	Tap position	Drop type	Cable length (ft.)	Options
PT	**120** **277** **347**	**F** Five	**1** One **2** Two **3** Three **12** One and two **13** One and three **23** Two and three **123** One, two and three	**A** Armored	**01** **03** **09** **15**	**IGW** Isolated ground wire; available only with 120V and F conductor. **2N** Two circuit, two neutral; available only with 120, 277 and 347V; F conductor. **CSA** CSA Certified





Dimensions are shown in **inches (millimeters)**.

Voltage Wire Color and Position			
Pin Position	Pin Function	120/347V	277V
1	Hot2	Red	Brown
2	Hot1	Black	Yellow
3	G	Green	Green
4	N	White	White
5	Hot3	Blue	Orange

NOTE: Two neutral (2N) products provided with gray (120V) white (277V) in 5th position. Isolated ground wire option (IGW) provided with Yellow/Green (120V only) wire in the 5th position.

NOTES:
1 Must add CSA suffix for certification.

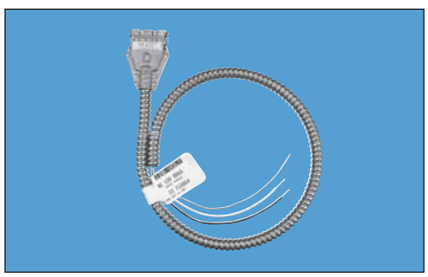
DC

820 Drop Cable

Intended Use

Provides integration of other electrical devices into the 820 system, such as power outlets and power strips (see above).

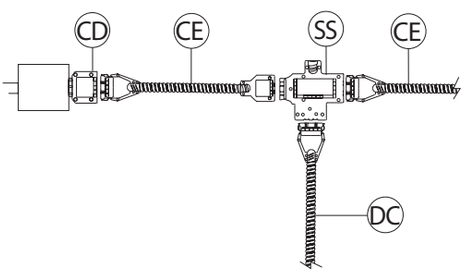
Conventional pipe and wiring not required to convey wiring.

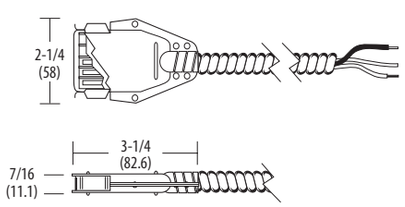


Ordering Information

Example: **DC 120 D U 09 CSA**[1]

Family	Voltage	Number of conductors	Factory keying	Cable length (ft.)	Options
DC	**120** **277** **347**	**D** Three **E** Four **F** Five	**U**	**09** **11** **13** **15**	**IGW** Isolated ground wire; available only with 120V and F conductor. **2N** Two circuit, two neutral; available only with 120, 277 and 347V; F conductor. **CSA** CSA Certified





Dimensions are shown in **inches (millimeters)**.

Voltage Wire Color and Position			
Pin Position	Pin Function	120/347V	277V
1	Hot2	Red	Brown
2	Hot1	Black	Yellow
3	G	Green	Green
4	N	White	White
5	Hot3	Blue	Orange

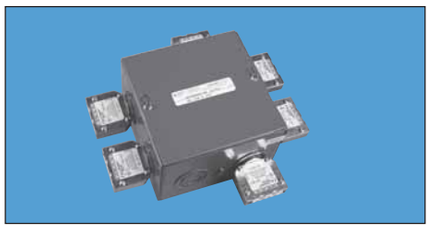
NOTE: Two neutral (2N) products provided with gray (120V) white (277V) in 5th position. Isolated ground wire option (IGW) provided with Yellow/Green (120V only) wire in the 5th position.

NOTES:
1 Must add CSA suffix for certification.

www.lithonia.com, keywords: PT and DC

Distribution Box

DB



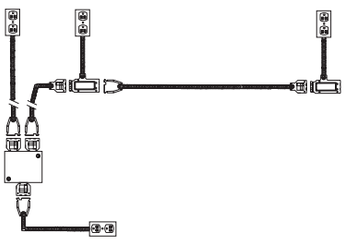
Intended Use

The distribution box (DB) can be used as the interface between the Reloc® wiring system and hardwiring. The DB can be used to distribute power to power tracks, wall units, gondola lamps and other lighting displays. From the DB, circuits can be fed in different directions.

Ordering Information

Example: **DB 120 F 4CD/1DC 01**

Family	Voltage	Number of conductors	Quantity	Outgoing power ports	Quantity	Incoming power ports	DC/PT length	Options
DB	**120**	**D** Three **E** Four **F** Five	**1** **2** **3** **4** **5** **6**	**CD**	**1** **2** **3** **4**	**DC** Drop cable **PT** Power tee	**01** **03** **05**	**IGW** Isolated ground wire; with E and F conductors only **2N** Two circuit, two neutral; with F conductor only

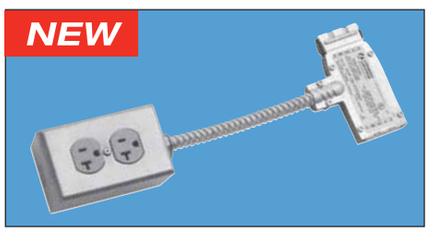


Box Dimensions			
# of Outgoing Power Ports	Width of Box	Length of Box	Height of Box
1-6	6"	6"	3"
7-8	6"	8"	4"
9-14*	14"	16"	4.5"

*Standoff legs included on this version.

Duplex Receptacle

DUP



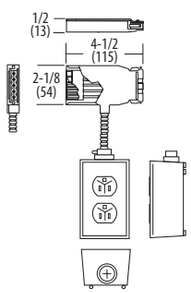
Intended Use

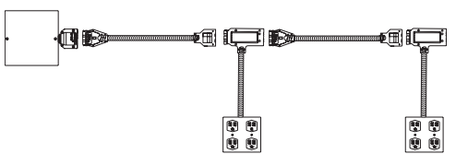
The DUP is a prewired power receptacle outlet box that integrates with a Reloc® system. The DUP can be used to manage phase loading on power receptacle applications. Pre-order the appropriate number of receptacles for each circuit prewired from the factory.

Ordering Information

Example: **DUP 120 PT F1A01**

Number of duplexes	Series	Voltage	Interface component	Number of conductors	Hot receptacle position	Type of drop	Cable length (ft.)	Options
(blank) One **2** Two	**DUP**	**120**	**PT** Power tee **DC** Drop cable	**D** Two **E** Three **F** Four	**1** One **2** Two **3** Three	**A** Armoured	**01** **05**	**IGW** Isolated ground wire; with E and F conductors only (Add only if required.)





Dimensions are shown in **inches (millimeters)**.

PP



Intended Use

A convenient and economical means to provide power, data and/or telecommunications cables to a workstation. The Lithonia PP2 is designed to be used in areas where traditional wiring methods would prove to be difficult, costly and unsightly.

Features

"I" beam construction for strength and rigidity.

IBEW labeled.

All installation hardware supplied.

Rated for use on 20 amp branch circuits.

Receptacle options of NEMA configuration duplex receptacles standard.

Two channel – isolates power and communications wiring.

Circuit conductors are solid No. 12 AWG copper with 600 volt 90°C thermo-plastic insulation.

Available with a wide variety of electrical, data and telecommunications options.

Wire leads extend to top of pole where connections are made above the ceiling.

Available in a wide variety of optional finishes.

Anchors to carpet or tile floor coverings.

½" inch knockouts in end caps for easy installation.

Communications compartment supplied with protective bushing and easily removable cover.

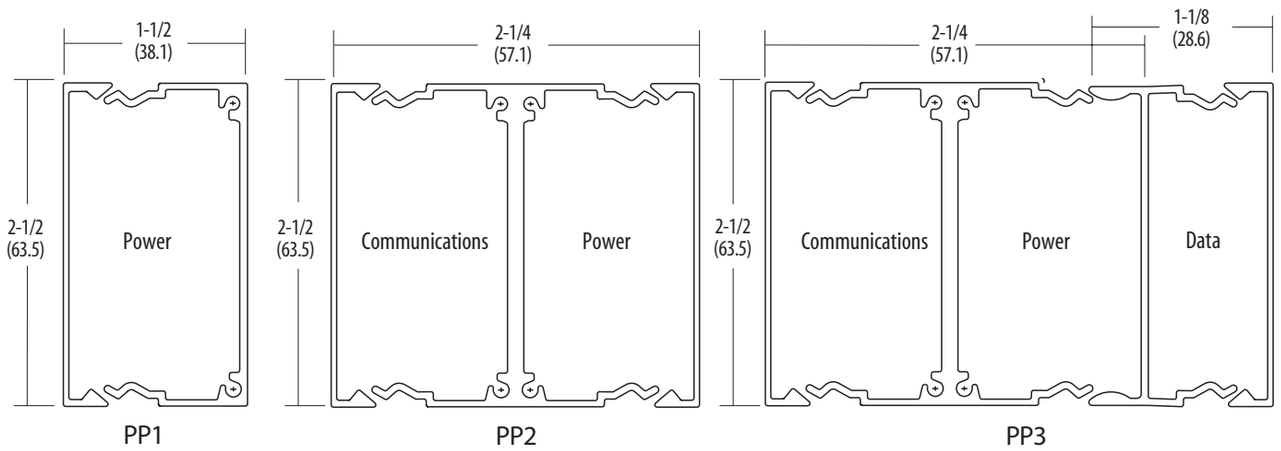
Listings

UL Listed.

Ordering Information

Example: **PP2 L126 GY 2D20A120V H24 IGB**

Family	Length[1]	Pole color[2]	Receptacles/amps/voltage[3]	Receptacle mounting height[4]	Option
PP1 1 channel	**L78**	**WH** White	**ID20A120V** One duplex 20 amp/120 volt	(blank) 3.25" from bottom	(blank) None
PP2 2 channel	**L102**	**GY** Gray	**IR30A208V** One receptacle 30 amp/208 volt	**H24** 24" from bottom	**IG** Isoloated grid all receptacles
PP3 3 channel	**L126**	**BA** Brushed aluminum	**2D20A120V** Two duplex 20 amp/120 volt	**H48** 48" from bottom	**IGB** Isoloated grid bottom receptacle
	L150				**2C** Two circuits
	L186				**IGT** Isolated grid top receptacle
	L222				
	L264				



NOTES:

1 Power pole lengths are shown in inches.

2 Receptacle and plate colors will match pole color except for brush aluminum, which will come with a gray receptacle and plate.

3 30A208v is single receptacle.

4 Inches from bottom of the pole to the center of the duplex or receptacle.

National Electric Codes Articles as They Apply to Modular Wiring

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ARTICLE 604 Manufactured Wiring Systems

604.1 Scope.

The provisions of this article apply to field-installed wiring using off-site manufactured subassemblies for branch circuits, remote-control circuits, signaling circuits, and communications circuits in accessible areas.

604.2 Definition.

Manufactured Wiring System. A system containing component parts that are assembled in the process of manufacture and cannot be inspected at the building site without damage or destruction to the assembly.

604.3 Other Articles.

Except as modified by the requirements of this article, all other applicable articles of this Code shall apply.

604.4 Uses Permitted.

Manufactured wiring systems shall be permitted in accessible and dry locations and in ducts, plenums, and other air-handling spaces where listed for this application and installed in accordance with 300.22.

Exception No. 1: In concealed spaces, one end of tapped cable shall be permitted to extend into hollow walls for direct termination at switch and outlet points.

Exception No. 2: Manufactured wiring system assemblies installed outdoors shall be listed for use in outdoor locations.

604.5 Uses Not Permitted.

Manufactured wiring system types shall not be permitted where limited by the applicable article in Chapter 3 for the wiring method used in its construction.

604.6 Construction.

(A) Cable or Conduit Types.

(1) Cables. Cable shall be listed Type AC cable or listed Type MC cable containing nominal 600-volt, 8 to 12 AWG insulated copper conductors with a bare or insulated copper equipment grounding conductor equivalent in size to the ungrounded conductor.

Other cables as listed in 725.61, 800.113, 820.113, and 830.179 shall be permitted in manufactured wiring systems for wiring of equipment within the scope of their respective articles.

(2) Conduits. Conduit shall be listed flexible metal conduit or listed liquidtight flexible conduit containing nominal 600-volt, 8 to 12 AWG insulated copper conductors with a bare or insulated copper equipment grounding conductor equivalent in size to the ungrounded conductor.

Exception No. 1 to (1) and (2): A luminaire (fixture) tap, no longer than 1.8 m (6 ft) and intended for connection to a single luminaire (fixture), shall be permitted to contain conductors smaller than 12 AWG but not smaller than 18 AWG.

Exception No. 2 to (1) and (2): Listed manufactured wiring assemblies containing conductors smaller than 12 AWG shall be permitted for remote-control, signaling, or communication circuits.

(3) Flexible Cord. Flexible cord suitable for hard usage, with minimum 12 AWG conductors, shall be permitted as part of a listed factory-made assembly not exceeding 1.8 m (6 ft) in length when making a transition between components of a manufactured wiring system and utilization equipment, other than luminaires (fixtures), not permanently secured to the building structure. The cord shall be visible for its entire length and shall not be subject to strain or physical damage.

(B) Marking. Each section shall be marked to identify the type of cable, flexible cord, or conduit.

(C) Receptacles and Connectors. Receptacles and connectors shall be of the locking type, uniquely polarized and identified for the purpose, and shall be part of a listed assembly for the appropriate system.

(D) Other Component Parts. Other component parts shall be listed for the appropriate system.

(E) Securing and Supporting. Manufactured wiring systems shall be secured and supported in accordance with the applicable cable or conduit article for the cable or conduit type employed.

(F) Luminaires (Fixtures). Installation of listed electric-discharge luminaires (fixtures) complying with 410.30(C) shall be permitted.

604.7 Unused Outlets.

All unused outlets shall be capped to effectively close the connector openings.

300.11 Securing and Supporting.

(A) Secured in Place. Raceways, cable assemblies, boxes, cabinets, and fittings shall be securely fastened in place. Support wires that do not provide secure support shall not be permitted as the sole support. Support wires and associated fittings that provide secure support and that are installed in addition to the ceiling grid support wires shall be permitted as the sole support. Where independent support wires are used, they shall be secured at both ends. Cables and raceways shall not be supported by ceiling grids.

(1) Fire-Rated Assemblies. Wiring located within the cavity of a fire-rated floor–ceiling or roof–ceiling assembly shall not be secured to, or supported by, the ceiling assembly, including the ceiling support wires. An independent means of secure support shall be provided and shall be permitted to be attached to the assembly. Where independent support wires are used, they shall be distinguishable by color, tagging, or other effective means from those that are part of the fire-rated design.

Exception: The ceiling support system shall be permitted to support wiring and equipment that have been tested as part of the fire-rated assembly.

FPN: One method of determining fire rating is testing in accordance with NFPA 251-1999, Standard Methods of Tests of Fire Endurance of Building Construction and Materials.

(2) Non–Fire-Rated Assemblies. Wiring located within the cavity of a non–fire-rated floor–ceiling or roof–ceiling assembly shall not be secured to, or supported by, the ceiling assembly, including the ceiling support wires. An independent means of secure support shall be provided.

Exception: The ceiling support system shall be permitted to support branch-circuit wiring and associated equipment where installed in accordance with the ceiling system manufacturer's instructions.

(B) Raceways Used as Means of Support. Raceways shall be used only as a means of support for other raceways, cables, or nonelectric equipment under any of the following conditions:

(1) Where the raceway or means of support is identified for the purpose

(2) Where the raceway contains power supply conductors for electrically controlled equipment and is used to support Class 2 circuit conductors or cables that are solely for the purpose of connection to the equipment control circuits

(3) Where the raceway is used to support boxes or conduit bodies in accordance with 314.23 or to support luminaires (fixtures) in accordance with 410.16(F)

(C) Cables Not Used as Means of Support. Cable wiring methods shall not be used as a means of support for other cables, raceways, or nonelectrical equipment.

300.22 Wiring in Ducts, Plenums and Other Air-Handling Spaces.

The provisions of this section apply to the installation and uses of electric wiring and equipment in ducts, plenums, and other air-handling spaces.

(A) Ducts for Dust, Loose Stock, or Vapor Removal. No wiring systems of any type shall be installed in ducts used to transport dust, loose stock, or flammable vapors. No wiring system of any type shall be installed in any duct, or shaft containing only such ducts, used for vapor removal or for ventilation of commercial-type cooking equipment.

(B) Ducts or Plenums Used for Environmental Air. Only wiring methods consisting of Type MI cable, Type MC cable employing a smooth or corrugated impervious metal sheath without an overall nonmetallic covering, electrical metallic tubing, flexible metallic tubing, intermediate metal conduit, or rigid metal conduit without an overall nonmetallic covering shall be installed in ducts or plenums specifically fabricated to transport environmental air. Flexible metal conduit shall be permitted, in lengths not to exceed 1.2 m (4 ft), to connect physically adjustable equipment and devices permitted to be in these ducts and plenum chambers. The connectors used with flexible metal conduit shall effectively close any openings in the connection. Equipment and devices shall be permitted within such ducts or plenum chambers only if necessary for their direct action upon, or sensing of, the contained air. Where equipment or devices are installed and illumination is necessary to facilitate maintenance and repair, enclosed gasketed-type luminaires (fixtures) shall be permitted.

(C) Other Space Used for Environmental Air. This section applies to space used for environmental air-handling purposes other than ducts and plenums as specified in 300.22 (A) and (B). It does not include habitable rooms or areas of buildings, the prime purpose of which is not air handling.

Exception: This section shall not apply to the joist or stud spaces of dwelling units where the wiring passes through such spaces perpendicular to the long dimension of such spaces.

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Discharge Lamps and Ballasts

Luminaires may utilize fluorescent or high intensity discharge sources that contain small amounts of mercury. New disposal labeling for these lamps includes the mercury identifier shown below to indicate that the lamp contains mercury and should be disposed of in accordance with local requirements.



Information sources regarding lamp recycling and disposal are included on the packaging of most mercury-containing lamps and also can be located at www.lamprecycle.org.

TECHNICAL SUPPORT FOR LAMP AND BALLAST SUPPLIERS

Lamp Supplier	*Phone*
GE	800-GE LAMPS
Philips	800-555-0050
SYLVANIA	800-255-5042
Venture	800-451-2606

Ballast Supplier	*Phone*
Advance Transformer Co.	800-372-3331, ext. 2
Aromat Corporation	888-427-6628
Denki Corporation of North America	800-908-8882
Future Wave Technologies, Inc.	508-460-3300
Howard Industries, Inc.	800-956-3456, ext. 1654
Lutron Electronics Co., Inc.	800-523-9466
OSRAM SYLVANIA	800-654-0089
OSRAM SYLVANIA, Canada	905-673-6171
Radionic Industries, Inc.	773-804-0100
Robertson Worldwide	800-323-5633, ext. 5
Universal Lighting Technologies	800-225-5278, ext. 538
Venture Lighting International	800-451-2606

CONTENTS

Ballast Characteristics 707

Linear Fluorescent

Lamp Ordering & Availability 708
Generic Electronic Ballasts 709
Magnetic Ballast Data 710
Ballast Testing 711

Compact Fluorescent

Lamp Ordering & Availability 712
Ballast Data 713

High Intensity Discharge

Lamp Data 714
Ballast Data 716
Ballast Circuit Data 720
Ballast Testing 722

All electric discharge lamps are characterized as negative resistance light sources. Therefore, they require support devices that limit the current when voltage is applied, to prevent the lamp from being destroyed. The ballast is the device limiting the current capability.

Additionally, the ballast provides the lamp with proper voltage to reliably start and operate the lamp throughout its rated service life. A transformer integral to the ballast circuit matches voltage required for the lamp to the available supply voltage.

Fluorescent and H.I.D. lamps exhibit several electrical characteristics that have important effects on ballasts. The following definitions will help explain those characteristics.

Starting Voltage

Fluorescent rapid start lamps contain cathodes which are preheated by the ballast. A variety of fluorescent rapid start ballasts are available to produce reliable starting for specific ambient temperatures. Mercury vapor and most metal halide lamps incorporate integral starting electrodes which allow the lamps to start at relatively low voltages in ambient temperatures ranging above -20°F (-30°C).

High pressure sodium and low wattage (≤ 150 watts) metal halide lamps require separate electronic starting devices (called "ignitors") which deliver a high voltage pulse to establish the arc. HPS will start reliably above -40°F (-40°C) ambient temperatures. The pulse repeats each cycle with a maximum pulse width of 15 microseconds. Once the lamp arc is established, the ignitor drops out of the circuit.

Starting Current

This is the initial current available to the lamp during warm-up. If the current is incorrect, the lamp may not start or reach its rated operating performance. Rated lamp life may be affected.

Operating Current

Operating current is the rated current flow under nominal operating conditions once the lamp arc has been established and is performing at rated levels. The starting current may differ from the operating current. Care should be taken to load circuits to the highest load conditions (amperes). Normal power factor ballasts have higher starting currents than operating. Low wattage (100 watts or less) metal halide and HPS lamps have the highest current demand during restrike (hot start).

Fluorescent lamp operating voltage remains relatively constant throughout rated life. Lamp life, ballast life, and light output may be affected if the operating voltage varies significantly from the voltage specified for the ballast. In general, fluorescent ballasts should be operated within ±7½% of their rated voltage.

Mercury vapor and metal halide lamp operating voltage remains relatively constant throughout rated life, although lamp manufacturing tolerances can allow for as much as ±10% variance from nominal. As a result, depending on the type of ballast being used, H.I.D. lamp wattage may vary considerably. High pressure sodium lamp operating voltage rises continually from initial installation until end of life.

HPS ballasts are designed to provide increased voltage requirement to the lamp through rated life. For example, a 400W HPS lamp normally starts at 100 volts and increases to 140 volts at end of life.

Operating Wattage

Fluorescent lamps operate at rated wattage if the supply voltage is nominal and the lamp is operating at an ambient temperature of 77°F (25°C). H.I.D. lamps operate at rated wattage only if the lamp voltage and supply voltage is nominal. Lamp wattage, light output, and lamp life may be affected if any conditions vary from nominal.

Crest Factor

Crest factor is the ratio of peak to RMS (root mean square) current. For example, the crest factor of a true sine wave form is 1.41. Lamp manufacturers' published data is based on lamps operated on a standard reactor ballast with a 1.41 crest factor. Input voltage to a commercial ballast is a sine wave, but the secondary voltage wave shape in the inductive and capacitive type ballast is distorted, and their crest factors are higher than 1.41.

Tests indicate that ballasts with higher crest factors may result in depreciation of lumen output or reduced lamp life. In general, a maximum lamp current crest factor of 1.7 for fluorescent ballasts is recommended. H.I.D. constant wattage and constant wattage autotransformer ballasts have a crest factor of about 1.8. Metal halide and HPS ballasts approach 1.65. H.I.D. lamp recommendations suggest a maximum crest factor of 2.0 for mercury vapor and 1.8 for metal halide and HPS.

Power Factor

Power factor (the phase between voltage and current) is the ratio of line watts to line volts x line amps, expressed in a percentage. A high power factor (HPF) ballast must have a power factor of at least 90% at nominal line voltage and lamp voltage. In most cases as the lamp and capacitors age, the power factor will drop below 90%. A normal power factor (NPF) ballast has a power factor below 90%, usually around 50%. NPF compact fluorescent ballasts can be as low as 28%.

A normal power factor ballast has almost twice the line current as a high power factor ballast, thereby requiring larger wire sizes, breakers, switches, etc. for the equivalent connected load. Some power utilities may assess a penalty charge for inefficient use of power due to low power factor equipment.

Radio Frequency Interference (RFI) and Electromagnetic Interference (EMI)

Electronic fluorescent ballasts generally operate at a frequency in excess of 20,000 Hz to optimize lamp efficacy. Electronic ballasts may feed back interference into the power system resulting in interference with sensitive electronic equipment such as communications or data processing equipment. High-quality electronic ballasts use filters and enclosures to reduce conducted and radiated EMI to acceptable limits as specified by the Federal Communications Commission (FCC).

Ballast Sound Ratings

Core and coil ballasts may produce a slight hum due to the magnetic action within the ballast. Fluorescent ballasts are sound rated by a letter code, A through D. An A sound rating is the quietest ballast and is typically recommended for commercial applications. Because solid state electronic ballasts do not contain a core and coil, they will generally operate quieter than magnetic ballasts.

Ballast Case Temperature

The ballast case temperature is affected by changes in ambient temperature and voltage increase. Fluorescent ballasts contain a Class P thermal switch which will disconnect the ballast if it exceeds 105°C. Excessive ambient temperature or voltage supply may significantly reduce the life of the ballast.

Harmonic Distortion

All ballasts generate harmonic currents of some magnitude in the electrical distribution system. The ratio of RMS (root mean square) harmonic current to the RMS fundamental current is the Total Harmonic Distortion or THD. THD is often used to assess the ability of a fluorescent electronic ballast to control harmonic currents. The ANSI standard for electronic ballasts specifies a maximum THD of 32%. Conventional magnetic ballasts are generally in the range of 10% to 20%. Most hybrid electronic ballasts (containing both electronic and electromagnetic components) fall into the area of 20% to 30% THD. Solid state electronic ballasts (containing virtually all electronic components) are usually less than 10%.

Ballast Regulation

This is the ability of a ballast to control lamp wattage when subjected to line voltage variation. Consideration should be given to line voltage variations expected on a given electrical system where H.I.D. lamps are used. Most new power distribution systems are designed to provide ±3% of nominal voltage. However, some systems, especially older ones, may have variances up to ±10% from nominal. Regulation characteristics for various ballast types are listed in the ballast data tables. Typically the cost of a ballast rises with the degree of regulation available. The better the regulation, the higher the cost.

Primary Dropout Voltage

All power distribution systems experience dips and peaks in line voltage as well as other transient conditions. Well-regulated systems seldom see voltage fluctuations of 20% or more. Be sure to check the primary dropout voltage rating on H.I.D. ballasts if voltage variations are of concern. Voltage dips in excess of this rating may cause the lamps to extinguish and recycle.

Lamp Ordering and Availability

Ordering Information

Example: **F32T8 LPPM730 J25**

	Wattage Length/Bulb Designation	Manufacturer LPG = GE LPS = SYLVANIA LPP = Philips	Color/Job Pack Designation											
			CW	CWX	WW	WWX	2700	3000	3500	4100	5000	6500	7500	DAY
Linear Fluorescent	F13T5	LPP	CW											
	F13T5	LPS	CW J24		WW J24									
	F17T8	LPG						730 J24 830 J24	735 J24 835 J24 SP35 J24	741 J24 841 J24	850 J24			
	F17T8	LPS					827 J30		735 J30 835 J30 M735 J30 M835EX J30	741 J30 841 J30				
	F17T8	LPP						TL830 J25		TL741 J25 TL841 J25				
	F25T8	LPG						730 J24 830 J24	735 J24 SP35 J24 SX35 J24	741 J24 SX41 J24				
	F25T8	LPS					827 J30		M735 J30 M835EX J30	M741 J30 M841EX J30				
	F25T8	LPP						TL730 J25 TL830 J25	TL735 J25 TL835 J25	TL741 J25 TL841 J25				
	F30T12	LPG							SX35 J24					
	F32T8	LPG						ME730EX J36	M835 J36	M741EX J36 ME741EX J36		SP65 J36		
	F32T8	LPS					827 J30	730 J30 830 J30 M730 J30	735 J30 835 J30 835EX J30 M735 J30 M835 J30 M835EXS J30	741 J30 841 J30 M741 J30 M841 J30 M81EX J30 M841EXS J30	850 J30			
	F32T8	LPP						M730 J25 M830 J25 TL930 J25	M735 J25 M835 J25	M741 J25 M741EX J25 M841 J25 M841EX J25 M841EXL J25	TL950 J25			
	F39T5HO	LPS							835 J40					
	F40T12	LPG	ESCW J30						SP35 J30					
	F40T12	LPP						ME730S J30	M835 J25					
	F40T12	LPS	ESCW J30											
	F48T12HO	LPG	J24						SP35 J24					
	F48T12HO	LPS								D41 J30				
	F48T8HO	LPP							TL735 J24 TL835 J24					
	F54T5HO	LPG								841 J40				
	F54T5HO	LPS						830 J40	835 J40	841 J40				
	F54T5HO	LPP							835 J40					
	F96T12	LPS							ESD35 J15					
	F96T12HO	LPG	CT J15						SP35 J15					
	F96T12HO	LPS	ESCW J15											
	F96T8	LPG							SP35 J24					
	F96T8	LPS							835 J24	841 J24				
	F96T8HO	LPG							SP35 J24 SX35 J24					
	F96T8HO	LPP							735 J24 835 J24	841 J24				
	F96T8HO	LPS							735 J24 835 J24	841 J24				
U Lamps	FB31T8	LPS						830 J15	835 J15 835EX J15	841 J15				
	FB32T8	LPG							SP35 J12 SX35 J12					
	FB32T8	LPP						M830 J20	TL835 J20					
	FB32T8	LPS						730 J16	735 J16 835 J16	741 J16				
	FB40T12	LPS	ESCW J12											
Compact Fluor.	FCF18	LPG						SX30 J40						
	FCF39	LPG							SX35 J40					
	FCF40	LPG							SX35 J36	SX41 J36				
	FCF40	LPP							TL835 J25	TL841 J25				
	FCF40	LPS						830 J10	835 J10	841 J10				
	FCF55	LPS						830 J10	835 J10	841 J10				

NOTES:

1 The table above shows those lamps commonly available through Lithonia Lighting. Please contact your Lithonia representative or your lamp manufacturer for other lamps available from these manufacturers.

2 Performance for these lamps will vary, contact your lamp supplier for specific performance information.

3 Many lamps meet the Federal EPA TCLP test and are available from several lamp manufacturers. Consult your lamp manufacturer for availability.

4 Jxx (example: J24) refers to the number of lamps in a single job pack.

Generic Electronic Ballast Option

Lithonia Lighting maintains in its distribution centers and selected field warehouses the industry's largest and broadest inventory of luminaires with popular electronic ballasts. If ballast quality, performance and availability are a concern, but you have no vendor preference, specify Lithonia's generic electronic ballast option. This ensures you an electronic ballast that meets or exceeds ANSI standards for high-frequency electronic ballasts. Ballasts are from nationally-recognized manufacturers with established warranty and service programs.

Specify **GEB** for ballasts with less than 20%THD. Specify **GEB10IS, GEB10RS** and **GEB10PS** for ballasts with less than 10%THD. Multi-volt option (**MVOLT**) currently is available in *less than 10% THD ballasts* only. GEB10IS is standard MVOLT.

GEB/GEB10_ Specifications

- UL Listed. CSA Certified. Thermally protected Class P, non-PCB ballast.
- Minimum line transient as shown in IEE587, Category A and ANSI-62.41.
- Ballast circuit type: instant or rapid start, series or parallel wired.
- Ballast operation: 120V nominal (108V-132V) 60Hz, 277V nominal (249V-305V) 60 Hz, MVOLT (108V-305V) 50Hz or 60Hz, or 347V nominal (312V-381V) 60Hz.
- Ballast meets 1988 Federal Efficacy Standard (Law 100-357) where applicable.
- Meets FCC rules/regulations Part 18, 15J for EMI / RFI.
- Minimum lamp starting temperatures: 0°F (-17.8°C) for T5, T5HO, and T8 lamps, 50°F (10°C) for rapid start T8 and T12 standard lamps and 60°F (15.6°C) for T12 energy-saving lamps.
- Power factor equal to or greater than .95.
- Maximum lamp crest factor 1.7.
- Minimum 5-year ballast manufacturer's warranty.
- Ballasts meet all requirements of ANSI C82.11.

Ordering Information

Example: 2SP8 G 3 32 A12 **MVOLT 1/3 GEB10IS**

Voltage	Configuration		Type	
120	(blank)	Standard (see box at lower right)	**GEB**	≤20 THD
277			**GEB10IS**	≤10 THD, instant start, multi-volt
347	**1/3**	One 3-lamp ballast	**GEB10RS**	≤10 THD, rapid start
MVOLT[1]	**1/4**	One 4-lamp ballast	**GEB10PS**	≤10 THD, program start[2]

NOTES:
1 120-277V. Must specify GEB10IS.
2 Available for standard T5 and T5HO lamps in 347V or MVOLT only.
3 IS = instant start, RS = rapid start.
4 S = series, P = parallel. Slimline = series lead or lead lag.
5 Single ballast operating all lamps in 3-lamp or 4-lamp configuration.

GEB/GEB10_ Performance

	Lithonia lamp descr.	Lamp type	Lamp wattage	No. of lamps operated	Max. ANSI watts	Min. ballast factor	Circuit type[3]	Circuit wiring[4]	Sound rating
GEB10IS only	**U31** **U316** **32**	24" T8 U(1⅝") 24" T8 U(6") 48" T8	Std	1 2 3[5] 4[5]	32 59 88 113	0.85	IS	P	A
GEB and GEB10RS	**U31** **U316** **32**	24" T8 U(1⅝") 24" T8 U(6") 48" T8	Std	1 2 3[5] 4[5]	39 62 95 114	0.85	IS or RS	S or P	A
	40 **U40** **U403**	48" T12 24" T12 U(6") 24" T12 U (3")	Std	1 2 3[5]	38 74 110	0.85	RS	S	A
			ES	1 2 3[5]	31 63 93	0.83	RS	S	A
GEB and GEB10IS	**CF 40**	24" TT5	Std	2 3[5]	70 101	0.85	IS	P	A
	96	96" T8	Std	2	110	0.85	IS	P	A
	96T8HO	96" T8	Std	2	160	0.85	RS	S	A
GEB10PS	**54T5HO**	48" T5HO	Std	1 2	62 121	1.10 1.00	PS	S	A
	28T5	48" T5	Std	1 2	33 66	1.04 1.03	PS	S	A
GEB only	**96**	96" T12	Std ES	2	140 116	0.85	IS	Slimline[4]	B
	96HO	96" T12 HO	Std ES	2	209 178	0.85	RS	S	B

Lithonia Standard Ballast Configurations

1-lamp fixtures: One 1-lamp ballast
2-lamp fixtures: One 2-lamp ballast
3-lamp fixtures: One 1-lamp ballast, one 2-lamp ballast
4-lamp fixtures: Two 2-lamp ballasts

Magnetic Ballast Data

Fluorescent Ballasts[1]

Fluorescent ballasts are designed to meet the electrical requirements of a specific type of lamp. Preheat, slimline instant start and rapid start are commonly used ballasts. Preheat and rapid start ballasts provide a starting current to heat the lamp electrodes before the lamp is ignited. Slimline instant start ballasts ignite the lamp by providing a high initial voltage between the lamp electrodes. A larger autotransformer is required for these ballasts to create the high starting voltage. Since fluorescent systems generally are used indoors, fluorescent ballasts incorporate a thermal protective device (Class P switch) to prevent a fire hazard if the ballast should overheat.



Fluorescent Ballast Legislation

The US Department of Energy and Natural Resources Canada has approved legislation that will phase out virtually all T12 fluorescent magnetic ballasts with the exception of dimming ballasts and residential grade ballasts. The intent of the ruling is to convert commercial T12 systems to more efficient electronic T8 systems. The rulemaking will ultimately cover ballasts for 1 and 2 lamp F40T12 lamps; 2 lamp F96T12 and 2 lamp F96T12HO lamps — standard and energy-saving type lamps. Canada legislation also covers T8 magnetic systems. Under the terms of the rulemaking, luminaire manufacturers cannot purchase covered T12 magnetic ballasts on or after July 1, 2005. Magnetic T12 ballasts will be available for replacement into existing commercial and industrial products until June 30, 2010. For more information regarding the legislation or for additional ballast information, review our web information at:

www.lithonia.com/products/groups/fluorescent/mvolt/

Magnetic Ballast Data

Lamp Type	Power Factor	Minimum Starting	Primary Voltage[2]	Operating Current	Input Wattage
Preheat – Trigger Start					
(1) F15WT8, T12	HPF	10°C/50°F -18°C/0°F	120 277	0.27 0.12	32
(2) F15WT8, T12	HPF	-18°C/0°F	120 277	0.47 0.20	53 56
Slimline and Instant Start					
(1) F48T12	HPF	-18°C/0°F	120 277	0.55 0.24	61
(2) F48T12	HPF	10°C/50°F	120 277	0.85 0.37	102
(1) F72, F96T12	HPF	-18°C/0°F	120 277	0.85 0.35	100
(2) F96T12	HPF	10°C/50°F	120 277	1.35 0.60	158
Rapid Start					
(1) F25T8	HPF	10°C/50°F	120 277	0.30 0.12	33
(2) F25T8	HPF	10°C/50°F	120 277	0.55 0.24	65
(1) F30T12	HPF	10°C/50°F	120 277	0.40 0.18	46 48
(2) F30T12	HPF	10°C/50°F	120 277	0.68 0.30	81
(1) F32T8	HPF	10°C/50°F	120 277	0.32 0.14	37
(2) F40T8	HPF	10°C/50°F	120 277	0.61 0.26	71
(1) F40T12 (34 watt)	HPF	16°C/60°F	120 277	0.38 0.16	43
(2) F40T12 (34 watt)	HPF	16°C/60°F	120 277	0.63 0.27	72
(1) F40T10,T12	HPF	10°C/50°F	120 277	0.43 0.19	50
(2) F40T10,T12	HPF	10°C/50°F	120 277	0.73 0.32	86
800mA – High Output					
(1) F48T12HO	HPF	10°C/-20°F	120 277	0.75 0.32	85 80
(2) F48T12HO	HPF	10°C/-20°F	120 277	1.30 0.56	145
(1) F72 or F96T12HO	HPF	-28°C/-20°F	120 277	1.15 0.50	135
(2) F96T12HO	HPF	-28°C/-20°F	120 277	2.05 0.88	237
1500mA – Very High Output/Power Groove					
(1) F96PG/VHO/SHO	HPF	-28°C/-20°F	120 277	3.30 1.35	375
T5 Twin Fluorescent					
(1) FT24W, 27W	HPF	10°C/50°F	120 277	0.28 0.12	32
(2) FT24W, 27W	HPF	10°C/50°F	120 277	0.58 0.25	66
(1) FT36W, 39W	HPF	10°C/50°F	120 277	0.44 0.19	51
(2) FT36W, 39W	HPF	10°C/50°F	120 277	0.76 0.34	88
(1) FT40W	HPF	10°C/50°F	120 277	0.40 0.18	45 46
(2) FT40W	HPF	10°C/50°F	120 277	0.69 0.32	82

NOTES:
1 All data based on magnetic ballasting. For information regarding operation of electronic ballasts, consult ballast manufacturer's technical data.
2 For 347V or other voltages, consult factory.

Fluorescent Magnetic (60Hz) Ballasts

Type of Ballast	Type of Measurement	Equipment Required	Testing Procedure
Preheat	*Starting Current and Operating Current* *Starting Voltage*	Ammeter (0–1 amp scale) Voltmeter (0–300V scale)	Measure amps between lamp and colored high-voltage secondary ballast lead. Remove lamp. 1-lamp: Measure voltage between red lead and white lead. 2-lamp: Measure voltage between a red lead and white lead; between blue lead and white lead.
Rapid Start	*Starting Voltage* *Filament Voltage*	Voltmeter (0-1000V scale) Voltmeter (0-1000V scale)	Measure voltage between a blue lead and highest-reading red lead. 1-lamp: Measure voltage between two red leads; between two blue leads. 2-lamp: Measure voltage between two red leads; between two blue leads; between two yellow leads.
800mA	*Starting Voltage* *Filament Voltage*	Voltmeter (0-1000V scale) Voltmeter (0-1000V scale)	Measure voltage between a blue lead and highest-reading red lead. 1-lamp: Measure voltage between two red leads; between two blue leads. 2-lamp: Measure voltage between two red leads; between two blue leads; between two yellow leads.
1500mA	*Starting Voltage* *Filament Voltage*	Voltmeter (0-1000V scale) Voltmeter	Measure voltage between a blue lead and highest-reading red lead. 1-lamp: Measure voltage between two red leads; between two blue leads. 2-lamp: Measure voltage between two red leads; between two blue leads; between two yellow leads.
Slimline	*Starting Voltage*	Voltmeter (electrostatic or high-voltage type, 0-1000V scale)	Remove lamp. Measure voltage between primary and secondary leads of each lamp as indicated below. For series-sequence ballast, red lead must be in position while measuring starting voltage of remaining lamp. 1-lamp: Measure between red lead and white lead. 2-lamp (series): Measure between red lead and white lead. Insert lamp in red and white position and measure between blue lead and black lead. 2-lamp (lead lag): Measure between red lead and white lead; between blue lead and white lead.
Instant Start	*Starting Voltage*	Voltmeter (electrostatic or high-voltage type, 0-1000V scale)	Remove lamp. Measure voltage between primary and secondary leads of each lamp as indicated below. For series-sequence ballast, red lead must be in position while measuring starting voltage of remaining lamp. 1-lamp: Measure between red lead and white lead. 2-lamp (series): Measure between red lead and white lead. Insert lamp in red and white position and measure between blue lead and black lead. 2-lamp (lead lag): Measure between red lead and white lead; between blue lead and white lead.

Lamp Ordering & Availability

Example: **F18DTT/35 4PIN GE**

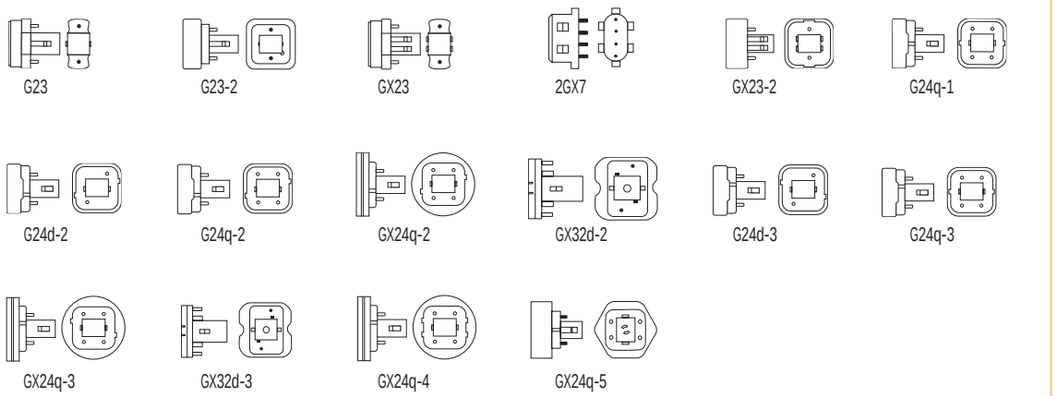
Type	Wattage	Lamp	Color	Pin	Manufacturer
F Fluorescent	**7, 9, 13, 18, 22, 26, 28, 32, 42, 57, 70**	**TT** Twin tube **DTT** Double twin-tube **TRT** Triple tube	**27** **30** **35** **41**	(blank) 2-pin lamp **4PIN** 4-pin lamp	**GE** General Electric **SY** OSRAM SYLVANIA **PH** Philips

Availability of Compact Fluorescent Lamps

■ = Available

Wattage/ Lamp Type	Color				Pin		Base Configuration
	27	30	35	41	2-pin	4-pin	
7TT	■ 1,2,3		■ 1,2,3	■ 1,2,3	■		G23
9TT	■ 1,2,3		■ 1,2,3	■ 1,2,3	■		G23
9DTT	■ 1,2	■ 2	■ 2	■ 1	■		G23-2
13TT	■ 1,2,3	■ 1,2,3	■ 1,2,3	■ 1,2,3	■		GX23
13TT	■ 2	■ 2		■ 2		■	2GX7
13DTT	■ 1,2,3	■ 1,2,3	■ 1,2,3	■ 1,2,3	■		GX23-2
13DTT	■ 1,2,3	■ 1,2,3	■ 1,2,3	■ 1,2,3		■	G24q-1
18DTT	■ 1,2,3	■ 1,2,3	■ 1,2,3	■ 1,2,3	■		G24d-2
18DTT	■ 1,2,3	■ 1,2,3	■ 1,2,3	■ 1,2,3		■	G24q-2
18TRT	■ 1,2,3	■ 1,2,3	■ 1,2,3	■ 1,2,3		■	GX24q-2
22DTT	■ 3				■		GX32d-2
26DTT	■ 1,2,3	■ 1,2,3	■ 1,2,3	■ 1,2,3	■		G24d-3
26DTT	■ 1,2,3	■ 1,2,3	■ 1,2,3	■ 1,2,3		■	G24q-3
26TRT	■ 1,2,3	■ 1,2,3	■ 1,2,3	■ 1,2,3		■	GX24q-3
28DTT	■ 3				■		GX32d-3
32TRT	■ 1,2,3	■ 1,2,3	■ 1,2,3	■ 1,2,3		■	GX24q-3
42TRT	■ 1,2,3	■ 1,2,3	■ 1,2,3	■ 1,2,3		■	GX24q-4
57TRT	■ 2	■ 2	■ 2	■ 2		■	GX24q-5
70TRT	■ 2	■ 2	■ 2	■ 2		■	GX24q-5

NOTES:
1 Available from General Electric.
2 Available from OSRAM SYLVANIA.
3 Available from Philips.



Electronic Ballasts

Power Factor >98%, THD<10%, flicker-free starting, 4-pin lamp

Wattage/ lamp type	No. of lamps	Starting temp.			Electrical information					
					120V		277V		347V	
		120V	277V	347V	Input watts	Max. amps	Input watts	Max. amps	Input watts	Max. amps
13TT	2	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	30	0.25	29	0.11	N/A	N/A
13DTT	1	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	18	0.15	18	0.07	18	0.06
	2	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	32	0.27	32	0.12	33	0.10
18DTT, 18TRT	1	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	22	0.16	22	0.07	21	0.06
	2	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	40	0.30	40	0.13	38	0.11
26DTT, 26TRT	1	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	28	0.25	28	0.11	31	0.09
	2	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	56	0.49	56	0.21	57	0.17
32TRT	1	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	36	0.32	36	0.14	36	0.11
	2	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	69	0.58	69	0.26	62	0.19
42TRT	1	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	48	0.42	48	0.18	50	0.15
	2	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	94	0.78	94	0.33	80	0.25
57TRT	1	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	59	0.50	59	0.21	61	0.18
	2	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	118	1.00	118	0.42	122	0.36
70TRT	1	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	75	0.63	75	0.27	74	0.21

Electromagnetic Ballasts

Power Factor – Normal = 50%, High ≥90%, 2-pin lamp

Wattage/ lamp type	No. of lamps	Power factor	Starting temp.			Electrical information					
						120V		277V		347V	
			120V	277V	347V	Input watts	Max. amps	Input watts	Max. amps	Input watts	Max. amps
7TT	1	Normal	0°F (-18°C)	N/A	N/A	9	0.19	N/A	N/A	N/A	N/A
	2	Normal	0°F (-18°C)	N/A	N/A	18	0.38	N/A	N/A	N/A	N/A
9TT	1	Normal	25°F (-4°C)	N/A	N/A	10	0.19	N/A	N/A	N/A	N/A
	2	Normal	25°F (-4°C)	N/A	N/A	20	0.38	N/A	N/A	N/A	N/A
9TT	1	High	25°F (-4°C)	0°F (-18°C)	N/A	11	0.20	13	0.18	N/A	N/A
	2	High	25°F (-4°C)	0°F (-18°C)	N/A	18	0.25	17	0.16	N/A	N/A
13TT, 13DTT	1	Normal	32°F (0°C)	0°F (-18°C)	N/A	17	0.44	16	0.35	N/A	N/A
	2	Normal	32°F (0°C)	0°F (-18°C)	N/A	34	0.88	32	0.70	N/A	N/A
13TT, 13DTT	1	High	32°F (0°C)	0°F (-18°C)	32°F (0°C)	16	0.36	24	0.30	22	0.30
	2	High	32°F (0°C)	0°F (-18°C)	32°F (0°C)	35	0.44	27	0.35	35	0.15
18DTT	1	Normal	50°F (10°C)	50°F (10°C)	N/A	25	0.48	22	0.27	N/A	N/A
	2	Normal	50°F (10°C)	50°F (10°C)	N/A	50	0.96	44	0.54	N/A	N/A
18DTT	1	High	50°F (10°C)	50°F (10°C)	15°F (-9°C)	23	0.35	23	0.27	24	0.25
	2	High	50°F (10°C)	50°F (10°C)	15°F (-9°C)	44	0.73	42	0.28	48	0.50
22DTT	1	High	0°F (-18°C)	N/A	N/A	26	0.62	N/A	N/A	N/A	N/A
	2	High	0°F (-18°C)	N/A	N/A	52	1.24	N/A	N/A	N/A	N/A
26DTT	1	Normal	50°F (10°C)	50°F (10°C)	N/A	33	0.67	31	0.33	N/A	N/A
	2	Normal	50°F (10°C)	50°F (10°C)	N/A	66	1.34	62	0.66	N/A	N/A
26DTT	1	High	50°F (10°C)	50°F (10°C)	25°F (-4°C)	28	0.41	32	0.38	36	0.25
	2	High	50°F (10°C)	50°F (10°C)	25°F (-4°C)	50	0.42	58	0.32	72	0.50
28DTT	1	High	-20°F (-29°C)	N/A	N/A	32	0.84	N/A	N/A	N/A	N/A
	2	High	-20°F (-29°C)	N/A	N/A	64	1.68	N/A	N/A	N/A	N/A

Lamp Data

	Wattage	ANSI	Base – number	Beam bulb type	Burning position	Coated	Manufacturer[1]	Lithonia Cat. No.[2]
Metal Halide[3]	50M	M110	MED-ED17		Universal	Yes	PH, GE, VE	MH50M/C/U
	70M	M98	MED-ED17		Universal	Yes	PH, GE, VE	MH70M/C/U
	100M	M90	MED-ED17		Universal	Yes	PH, GE, VE	MH100M/C/U
	150M	M102	MED - ED17		Universal	No	PH, GE, SY, VE	MH150M/U
	175M	M137 or M152	MOG - ED28		Base up	Yes	PH, GE, VE	MS175BU PSL
	175M	M137 or M152	MOG - ED28		Base up	No	GE, VE	MS175C/BU PSL
	200M	M136	MOG - ED28		Universal	Yes	VE	MS200U PSL
	200M	M136	MOG - ED28		Universal	No	VE	MS200C/U PSL
	250M	M138 or M153	MOG - ED28		BU-HOR	Yes	VE	MS250C/BUH PSL
	250M	M138 or M153	MOG - ED28		BU-HOR	No	VE	MS250BUH PSL
	250M	M138 or M153	MOG - ED28		Base up	Yes	GE, SY	MS250C/BU PSL
	250M	M138 or M153	MOG - ED28		Base up	No	PH, GE, SY	MS250BU PSL
	300M	M151	MOG - ED28		Vertical +/- 15°	Yes	VE	MS300R/C BUD PSL
	300M	M151	MOG - ED28		Vertical +/- 15°	No	VE	MS300R/BUD PSL
	320M	M132 or M154	MOG - ED28		Universal	Yes	PH	MS320R/C/U PSL PH
	320M	M132 or M154	MOG - ED28		Universal	No	PH	MS320R/U PSL PH
	320M	M132 or M154	MOG - ED28		Vertical +/- 15°	Yes	GE, VE	MS320R/BU PSL
	320M	M132 or M154	MOG - ED28		Vertical +/- 15°	No	GE, VE	MS320R/C BU PSL
	320M	M132 or M154	MOG - ED28		BU-HOR	Yes	SY	MS320R/C BU PSL SY
	320M	M132 or M154	MOG - ED28		BU-HOR	No	SY	MS320R/BU PSL SY
	350M	M131	MOG - ED37		Universal	Yes	PH, GE, VE	MS350C/BUD PSL
	350M	M131	MOG - ED37		Universal	No	PH, GE, VE	MS350/BUD PSL
	400M	M135 or M155	MOG - ED37		Base up	Yes	PH, GE, SY, VE	MS400C/BU PSL
	400M	M135 or M155	MOG - ED37		Base up	No	PH, GE, SY, VE	MS400BU PSL
	450M	M144	MOG - ED37		Base up	Yes	VE	MS450C/BU PSL
	450M	M144	MOG - ED37		Base up	No	VE	MS450BU PSL
	750M	M149	MOG - BT37		Base up	Yes	GE	MS750C/BU PSL
	750M	M149	MOG - BT37		Base up	No	GE	MS750BU PSL
	750M	M149	MOG - BT37		BU-HOR	No	SY	MS750BUH PSL
	875M	TBD	MOG - BT37		Base up	No	VE	MS875R/BU PSL
	1000M	M141	MOG - BT37		Universal	No	SY	MS1000R/U PSL
	1000M	M141	MOG - BT37		Base up	No	PH, SY, VE	MS1000R/BU PSL
	1500M	M48	MOG-BT56		BU-HOR	No	PH, GE, SY	MH1500BUH
	1500M	M48	MOG-BT56		BD	No	PH, GE, SY	MH1500BD
Metal Halide[4]	50M	M110	MED-ED17		Universal	Yes	PH, SY, VE	MP50M/C/U
	70M	M98	MED-ED17		Universal	Yes	PH, GE, SY, VE	MP70M/C/U
	100M	M90	MED-ED17		Universal	Yes	PH, GE, SY, VE	MP100M/C/U
	150M	M102	MED-ED17		Universal	Yes	SY	MP150M/C/U
	175M	M57	MOG - ED28		Base up	Yes	SY	MP175C/BU
	175M	M57	MOG - ED28		Base up	No	PH, SY	MP175BU
	200M	M136	MOG - ED28		Vertical +/- 15°	Yes	VE	MP200C/BUD PSL
	200M	M136	MOG - ED28		Vertical +/- 15°	No	VE	MP200BUD PSL
	250M	M58	MOG - ED28		Base up	Yes	SY	MP250C/BU
	250M	M58	MOG - ED28		Base up	No	PH, SY	MP250BU
	250M	M138 or M153	MOG - ED28		Base up	Yes	VE	MP250C/BU PSL
	250M	M138 or M153	MOG - ED28		Base up	No	VE	MP250BU PSL
	300M	M151	MOG - ED28		Vertical +/- 15°	Yes	VE	MP300R/C BU PSL
	300M	M151	MOG - ED28		Vertical +/- 15°	No	VE	MP300R/BU PSL
	320M	M132 or M154	MOG - ED28		Base up	Yes	GE, SY, VE	MP320R/C BU PSL
	320M	M132 or M154	MOG - ED28		Base up	No	GE, SY, VE	MP320R/BU PSL
	350M	M131	MOG - ED37		Vertical +/- 15°	Yes	VE	MP350C/BUD PSL
	350M	M131	MOG - ED37		Vertical +/- 15°	No	VE	MP350BUD PSL
	350M	M131	MOG - ED37		Base up	Yes	GE, SY	MP350C/BU PSL
	350M	M131	MOG - ED37		Base up	No	GE, SY	MP350BU PSL
	400M	M59	MOG - ED37		Universal	Yes	PH, GE, SY, VE	MH400C/U
	400M	M59	MOG - ED37		Universal	No	PH, GE, SY, VE	MH400U
	400M	M59	MOG - ED37		Base up	Yes	PH, GE, SY	MP400C/BU
	400M	M59	MOG - ED37		Base up	No	PH, GE, SY	MP400BU
	400M	M135 or M155	MOG - ED37		Base up	Yes	PH, GE, SY, VE	MP400C/BU PSL
	400M	M135 or M155	MOG - ED37		Base up	No	PH, GE, SY, VE	MP400BU PSL
	450M	M144	MOG - ED37		Base up	Yes	VE	MP450C/BU PSL
	450M	M144	MOG - ED37		Base up	No	VE	MP450BU PSL
	1000M	M47	MOG - BT56		Base up	Yes	SY	MP1000C/BU
	1000M	M47	MOG - BT56		Base up	No	SY	MP1000BU
	1000M	M47	MOG - BT56		Universal	Yes	PH, GE, SY, VE	MH1000C/U
	1000M	M47	MOG - BT56		Universal	No	PH, GE, SY, VE	MH1000U

NOTES:

1 GE = General Electric; SY = OSRAM SYLVANIA; PH = Philips; VE = Venture

2 To specify a manufacturer, add manufacturer to item number. Example: MC100M/CUGE.

3 For use in enclosed rated fixtures only.

4 For use in open or enclosed rated fixtures.

	Wattage	ANSI	Base – number	Beam bulb type	Burning position	Coated	Manufacturer[1]	Lithonia catalog number[2]
Metal Halide PAR Lamps	70M	M98	MED-PAR38	Spot	Universal	No	PH, GE, SY, VE	MP70P38S
	70M	M98	MED-PAR38	Flood	Universal	No	PH, GE, SY,VE	MP70P38F
	70M	M98	MED-PAR38	Wide Flood	Universal	No	GE, SY, VE	MP70P38W
	100M	M90	MED-PAR38	Spot	Universal	No	PH, GE, SY, VE	MP100P38S
	100M	M90	MED-PAR38	Flood	Universal	No	PH, GE, SY, VE	MP100P38F
	100M	M90	MED-PAR38	Wide Flood	Universal	No	GE, SY, VE	MP100P38W
	150M	M102	MED-PAR38	Spot	Universal	No	GE, SY	MP150P38S
	150M	M102	MED-PAR38	Flood	Universal	No	GE, SY	MP150P38F
	150M	M102	MED-PAR38	Wide Flood	Universal	No	GE, SY	MP150P38W
Color-Corrected Ceramic Metal Halide[3]	70M	M98	MED-ED17		Universal	Yes	PH, GE	MC70M/CU
	100M	M90	MED-ED17		Universal	Yes	PH, GE	MC100M/CU
	150M	M102	MED-ED17		Universal	Yes	PH	MC150M/CU
Color-Corrected Ceramic Metal Halide[4]	70M	M98	MED-ED17		Universal	Yes	PH	MPC70M/CU
	100M	M90	MED-ED17		Universal	Yes	PH	MPC100M/CU
	150M	M102	MED-ED17		Universal	Yes	PH	MPC150M/CU
	400M	M135 or M155	MOG-ED37		Base up	Yes	GE	MPC400C/BU LP940
	400M	M135 or M155	MOG-ED37		Base up	No	GE	MPC400/BU LP940
Color-Corrected Ceramic Metal Halide PAR Lamps	35M	M130	MED-PAR20	Spot	Universal	No	PH	MPC35P20S
	35M	M130	MED-PAR20	Flood	Universal	No	PH	MPC35P20F
	35M	M130	MED-PAR30	Spot	Universal	No	PH	MPC35P30S
	35M	M130	MED-PAR30	Flood	Universal	No	PH	MPC35P30F
	70M	M98	MED-PAR30	Spot	Universal	No	PH, GE	MPC70P30S
	70M	M98	MED-PAR30	Flood	Universal	No	PH, GE	MPC70P30F
	70M	M98	MED-PAR38	Spot	Universal	No	PH, GE	MPC70P38S
	70M	M98	MED-PAR38	Flood	Universal	No	PH, GE	MPC70P38F
	70M	M98	MED-PAR38	Wide Flood	Universal	No	PH	MPC70P38W
	100M	M90	MED-PAR38	Spot	Universal	No	PH, GE	MPC100P38S
	100M	M90	MED-PAR38	Flood	Universal	No	PH, GE	MPC200P38F
	100M	M90	MED-PAR38	Wide Flood	Universal	No	PH	MPC100P38W
High Pressure Sodium	35S	S76	MED-ED17		Universal	Yes	PH, GE, SY	LU35M/C
	35S	S76	MED-ED17		Universal	No	PH, GE, SY	LU35M
	50S	S68	MED-ED17		Universal	Yes	PH, GE, SY	LU50M/C
	50S	S68	MED-ED17		Universal	No	PH, GE, SY	LU50M
	50S	S68	MOG-ED23.5		Universal	Yes	PH, GE, SY	LU50C
	50S	S68	MOG-ED23.5		Universal	No	PH, GE, SY	LU50
	70S	S62	MED-ED17		Universal	Yes	PH, GE, SY	LU70M/C
	70S	S62	MED-ED17		Universal	No	PH, GE, SY	LU70M
	70S	S62	MOG-ED23.5		Universal	Yes	PH, GE, SY	LU70C
	70S	S62	MOG-ED23.5		Universal	No	PH, GE, SY	LU70
	100S	S54	MED-ED17		Universal	Yes	PH, GE, SY	LU100M/C
	100S	S54	MED-ED17		Universal	No	PH, GE, SY	LU100M
	100S	S54	MOG-ED23.5		Universal	Yes	PH, GE, SY	LU100C
	100S	S54	MOG-ED23.5		Universal	No	PH, GE, SY	LU100
	150S	S55	MED-ED17		Universal	Yes	PH, GE, SY	LU150M/C
	150S	S55	MED-ED17		Universal	No	PH, GE, SY	LU150M
	150S	S55	MOG-ED23.5		Universal	Yes	PH, GE, SY	LU150C
	150S	S55	MOG-ED23.5		Universal	No	PH, GE, SY	LU150
	200S	S66	MOG-BT18		Universal	Yes	PH, GE, SY	LU200C
	200S	S66	MOG-BT18		Universal	No	PH, GE, SY	LU200
	250S	S50	MOG-BT28		Universal	Yes	PH, SY	LU250C
	250S	S50	MOG-BT28		Universal	No	PH, GE, SY	LU250
	310S	S67	MOG-BT18		Universal	No	PH, GE, SY	LU310
	400S	S51	MOG-BT37		Universal	Yes	PH, GE, SY	LU400C
	400S	S51	MOG-BT37		Universal	No	PH, GE, SY	LU400
	600S	S106	MOG-T15		Universal	No	PH, GE, SY	LU600
	750S	S111	MOG-ED37		Universal	No	PH, GE, SY	LU750
	1000S	S52	MOG-E25		Universal	No	PH, GE, SY	LU1000
White SON High Pressure Sodium	35SDW	S99	PG12-T10		Universal	No	PH	WS35P
	50SDW	S104	MED-ED17		Universal	Yes	PH	WS50M/C
	50SDW	S104	PG12-T10		Universal	No	PH	WS50P
	100SDW	S105	MED-ED17		Universal	Yes	PH	WS100M/C
	100SDW	S105	PG12-T10		Universal	No	PH	WS100P

NOTES:

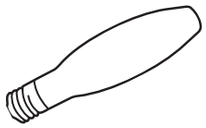
1 GE = General Electric; SY = OSRAM SYLVANIA; PH = Philips; VE = Venture

2 To specify a manufacturer, add manufacturer to item number.
Example: MC100M/CUGE.

3 For use in enclosed rated fixtures only.

4 For use in open or enclosed rated fixtures.

Ballast Data – High Pressure Sodium



High pressure sodium ballasts require a magnetic circuit to produce the open-circuit voltage and control the lamp operating current, and a special electronic starting circuit. The electronic starting circuit applies a high voltage pulse across the lamp to initiate the arc. The pulse continues to fire at each half cycle until the arc is established, at which time it shuts off.

Wattage	ANSI Code	Ballast Type	Power Factor	Wiring Diagram	Regulation LineV=LampW	Minimum Starting Ambient	Primary Voltage	Dropout Voltage	Starting Current	Operating Current	Open-Circuit Current	Input Wattage
35	S76	R	NPF	H1	+/-5%=+/-12%	-40C/-40F	120	95	1.35	0.84	NIL	46
	S76	R	HPF	H2	+/-5%=+/-12%	-40C/-40F	120	95	0.78	0.38	0.68	46
50	S68	R	NPF	H1	+/-5%=+/-12%	-40C/-40F	120	95	1.80	1.18	NIL	62
	S68	R	HPF	H2	+/-5%=+/-12%	-40C/-40F	120	95	0.95	0.55	1.00	62
	S68	HX	HPF	H5	+/-5%=+/-12%	-40C/-40F	120/277	95/225	0.65/0.30	0.61/0.26	1.24/0.44	66
70	S62	R	NPF	H1	+/-5%=+/-12%	-40C/-40F	120	95	2.10	1.60	NIL	83
	S62	R	HPF	H2	+/-5%=+/-12%	-40C/-40F	120	95	0.90	0.75	1.30	83
	S62	HX	HPF	H5	+/-5%=+/-12%	-40C/-40F	120/277	95/225	0.90/0.35	0.82/0.36	1.40/0.70	94
	S62	HX	HPF	H4	+/-5%=+/-12%	-40C/-40F	208	155	0.50	0.48	0.90	94
	S62	HX	HPF	H4	+/-5%=+/-12%	-40C/-40F	240	180	0.44	0.41	0.80	94
	S62	HX	HPF	H4	+/-5%=+/-12%	-40C/-40F	347	275	0.25	0.29	0.60	94
	S62	HX	HPF	H4	+/-5%=+/-12%	-40C/-40F	480	385	0.21	0.20	0.40	94
	S62	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	120/277	90/208	0.90/0.40	0.90/0.40	0.20/0.09	95
	S62	CWI	HPF	H6	+/-10%=+/-10%	-40C/-40F	120/240	90/180	0.50/0.25	0.86/0.43	0.50/0.25	95
	S62	CWI	HPF	H6	+/-10%=+/-10%	-40C/-40F	208	156	0.30	0.50	0.30	95
	S62	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	120/240	85/165	0.45/0.20	0.90/0.50	0.60/0.30	103
100	S54	R	NPF	H1	+/-5%=+/-12%	-40C/-40F	120	95	3.10	2.10	NIL	117
	S54	R	HPF	H2	+/-5%=+/-12%	-40C/-40F	120	95	1.50	1.05	1.80	117
	S54	HX	HPF	H5	+/-5%=+/-12%	-40C/-40F	120/277	96/222	1.30/0.60	1.14/0.49	2.20/0.95	130
	S54	HX	HPF	H4	+/-5%=+/-12%	-40C/-40F	208	166	0.75	0.66	1.30	130
	S54	HX	HPF	H4	+/-5%=+/-12%	-40C/-40F	240	192	0.65	0.57	1.10	130
	S54	HX	HPF	H4	+/-5%=+/-12%	-40C/-40F	347	275	0.45	0.39	0.70	130
	S54	HX	HPF	H4	+/-5%=+/-12%	-40C/-40F	480	385	0.35	0.28	0.60	130
	S54	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	120/277	90/208	0.80/0.35	1.20/0.50	0.65/0.25	138
	S54	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	480	360	0.20	0.30	0.15	138
	S54	CWI	HPF	H6	+/-10%=+/-10%	-40C/-40F	120/240	90/180	0.70/0.35	1.22/0.61	0.70/0.35	130
	S54	CWI	HPF	H6	+/-10%=+/-10%	-40C/-40F	208	156	0.40	0.70	0.40	130
	S54	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	120/240	75/150	1.00/0.50	1.20/0.60	0.44/0.22	138
	S54	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	277	185	0.21	0.60	0.45	138
	S54	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	480	330	0.12	0.30	0.25	138
150	S55	R	NPF	H1	+/-5%=+/-12%	-40C/-40F	120	95	4.50	3.20	NIL	171
	S55	R	HPF	H2	+/-5%=+/-12%	-40C/-40F	120	95	2.25	1.50	2.40	171
	S55	HX	HPF	H5	+/-5%=+/-12%	-40C/-40F	120/277	96/222	2.00/0.88	1.66/0.72	3.00/1.30	189
	S55	HX	HPF	H4	+/-5%=+/-12%	-40C/-40F	208	166	1.15	0.96	1.65	189
	S55	HX	HPF	H4	+/-5%=+/-12%	-40C/-40F	240	192	1.00	0.83	1.45	189
	S55	HX	HPF	H4	+/-5%=+/-12%	-40C/-40F	347	280	0.53	0.57	1.00	189
	S55	HX	HPF	H4	+/-5%=+/-12%	-40C/-40F	480	385	0.50	0.44	0.72	189
	S55	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	120/277	90/208	0.96/0.42	1.70/0.70	0.96/0.42	190
	S55	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	480	360	0.24	0.50	0.24	190
	S55	CWI	HPF	H6	+/-10%=+/-10%	-40C/-40F	120/240	90/180	0.90/0.45	1.76/0.88	1.00/0.50	190
	S55	CWI	HPF	H6	+/-10%=+/-10%	-40C/-40F	208	156	0.50	1.01	0.60	190
	S55	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	120/240	75/150	1.40/0.70	1.70/0.90	1.60/0.80	196
	S55	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	277	160	0.60	0.75	0.70	196
	S55	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	480	300	0.35	0.40	0.40	196
200	S66	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	120	80	1.50	2.20	1.25	245
	S66	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	208	130	0.92	1.25	0.75	245
	S66	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	240	160	0.75	1.10	0.75	245
	S66	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	277	180	0.66	0.95	0.60	245
	S66	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	347	230	0.55	0.75	0.38	245
	S66	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	480	300	0.41	0.56	0.35	245
	S66	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	120/240	55/110	0.80/0.40	2.20/1.10	1.50/0.75	255
	S66	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	480	220	0.20	0.55	0.38	255
250	S50	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	120	90	1.75	2.50	1.70	300
	S50	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	208	156	1.00	1.50	1.00	300
	S50	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	240	180	0.85	1.30	0.80	300
	S50	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	277	208	0.75	1.10	0.75	300
	S50	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	347	260	0.75	0.90	0.70	300
	S50	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	480	360	0.44	0.65	0.46	310
	S50	CWI	HPF	H6	+/-10%=+/-10%	-40C/-40F	120/240	90/180	1.20/0.60	2.75/1.38	1.50/0.75	300
	S50	CWI	HPF	H6	+/-10%=+/-10%	-40C/-40F	208	156	0.70	1.60	0.87	300
	S50	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	120/240	55/110	1.00/0.50	2.70/1.45	1.80/0.90	310
	S50	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	277	120	0.45	1.20	0.75	310
	S50	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	480	240	0.25	0.70	0.45	310
310	S67	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	120	90	1.70	3.40	1.80	365
	S67	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	208	156	0.89	1.95	1.00	365
	S67	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	240	180	0.85	1.70	0.90	365
	S67	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	277	208	0.75	1.45	0.80	365
	S67	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	480	360	0.41	0.90	0.45	365
	S67	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	120/240	40/80	1.30/0.75	3.30/1.70	1.20/0.60	380
	S67	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	480	175	0.37	0.90	0.30	380
400	S51	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	120	90	3.30	3.90	2.00	465
	S51	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	208	156	1.80	2.25	1.20	465
	S51	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	240	180	1.60	1.95	0.95	465
	S51	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	277	208	1.40	1.70	0.85	465
	S51	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	347	260	1.10	1.36	0.70	465
	S51	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	480	360	0.75	1.00	0.60	467
	S51	CWI	HPF	H6	+/-10%=+/-10%	-40C/-40F	120/240	90/180	2.00/1.00	4.20/2.10	2.00/1.00	465
	S51	CWI	HPF	H6	+/-10%=+/-10%	-40C/-40F	208	156	1.15	2.40	1.15	465
	S51	CWI	HPF	H6	+/-10%=+/-10%	-40C/-40F	480	330	0.68	0.93	0.46	446
	S51	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	120/240	45/90	2.00/1.00	4.20/2.10	2.20/1.10	490
	S51	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	277	105	0.85	1.80	0.95	490
	S51	MRB	HPF	H9	+/-10%=+/-3%	-40C/-40F	480	180	0.50	1.10	0.55	490
600	S106	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	120	65	5.20	5.50	3.00	670
	S106	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	208	110	3.00	3.30	1.75	670
	S106	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	240	130	2.60	2.90	2.60	670
	S106	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	277	140	2.15	2.50	1.40	665
	S106	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	347	160	1.70	2.00	1.10	665
	S106	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	480	250	1.20	1.43	0.75	665
750	S111	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	120	90	6.70	7.12	3.00	840
	S111	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	208	156	3.85	4.10	1.75	840
	S111	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	240	180	3.35	3.56	1.60	840
	S111	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	277	208	3.00	3.10	1.50	840
	S111	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	347	260	2.30	2.50	1.20	840
	S111	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	480	360	1.65	1.80	0.90	840
1000	S52	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	120	90	6.40	9.20	3.70	1100
	S52	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	208	156	3.80	5.50	2.7	1100
	S52	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	240	120	3.20	4.75	2.4	1100
	S52	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	277	208	2.80	4.00	1.40	1100
	S52	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	347	260	2.20	3.30	1.10	1100
	S52	CWA	HPF	H3	+/-10%=+/-10%	-40C/-40F	480	360	1.60	2.30	0.90	1100



Metal halide lamps are available in two varieties: PROBE START lamps, which rely on a high lamp current crest factor, a high ballast open-circuit voltage and a starting electrode to initiate the arc; and PULSE START lamps, which contain no starting electrode and rely on an ignitor in the ballast to initiate the arc.

HAZARD WARNING – USE OF METAL HALIDE LAMPS

These lamps can cause serious skin burn and eye inflamation from ultraviolet radiation if the outer envelope of the lamp is broken or punctured and the arc-tube continues to operate. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain types of lamps that will automatically extinguish when the outer envelope is broken are commercially available.



California will not allow the use of probe-start metal halide ballasts in 150-500W luminaires with a vertical base-up lamp beginning January 1, 2006. Other states have implemented similar requirements, typically beginning in 2008.

Wattage	ANSI Code	Ballast Type	Power Factor	Wiring Diagram	Regulation LineV=LampW	Minimum Starting Ambient	Primary Voltage	Dropout Voltage	Starting Current	Operating Current	Open-Circuit Current	Input Wattage
50	M110	R	NPF		+/-5%=+/-12%	-30C/-20F	277	190	.068	0.62	NIL	62
	M110	R	HPF	M5	+/-5%=+/-12%	-30C/-20F	277	190	0.35	0.22	0.55	62
	M110	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	120/277	90/208	0.60/0.25	0.66/0.28	1.00/0.45	72
	M110	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	208	150	0.51	0.35	0.67	67
	M110	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	240	175	0.47	0.30	0.57	67
	M110	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	347	220	0.17	0.20	0.55	67
70	M98	R	NPF		+/-5%=+/-12%	-30C/-20F	277	190	1.15	.90	NIL	85
	M98	R	HPF	M5	+/-5%=+/-12%	-30C/-20F	277	190	0.50	0.32	0.80	85
	M98	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	120/277	90/208	0.55/0.25	0.85/0.37	1.90/0.80	88
	M98	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	208	156	0.30	0.49	1.00	88
	M98	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	240	180	0.25	0.42	0.90	88
	M98	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	347	260	0.20	0.30	0.65	88
100	M90	R	HPF	M5	+/-5%=+/-12%	-30C/-20F	277	190	0.70	0.45	1.05	118
	M90	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	120/277	90/208	1.15/0.50	1.15/0.50	2.60/1.15	130
	M90	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	208	156	0.66	0.66	1.50	130
	M90	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	240	180	0.58	0.58	1.30	130
	M90	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	347	260	0.40	0.40	1.00	130
	M90	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	480	340	0.30	0.30	0.55	132
	M90	CWA	HPF	M4	+/-10%=+/-10%	-30C/-20F	120/277	60/140	0.80/0.35	1.20/0.50	1.05/0.45	128
150	M102	LLRPSL	HPF	M5	+/-5%=+/-12%	-30C/-20F	277	170	0.70	0.63	1.50	173
	M102	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	120/277	90/208	0.95/0.42	1.60/0.70	3.65/1.58	185
	M102	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	208	156	0.55	0.90	2.10	185
	M102	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	240	180	.50	.80	1.80	185
	M102	HX	HPF	M1	+/-5%=+/-12%	-30C/-20F	347	260	0.65	0.55	1.25	185
	M102	SCWA	HPF	M4	+/-10%=+/-10%	-30C/-20F	120/277	90/210	1.15/0.50	1.75/0.80	1.40/0.60	189
	M102	SCWA	HPF	M4	+/-10%=+/-10%	-30C/-20F	347	260	0.40	0.70	0.50	189
175	M57orH39	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	120	60	1.30	1.80	1.80	213
	M57orH39	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	208	105	0.74	1.10	1.10	213
	M57orH39	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	240	120	0.64	0.90	0.85	213
	M57orH39	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	277	140	0.53	0.80	0.80	213
	M57orH39	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	347	180	0.36	0.62	0.62	213
	M57orH39	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	480	220	0.27	0.45	0.51	213
	M137	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	120	60	1.10	1.80	1.70	208
	M137	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	208	105	0.58	1.10	1.10	208
	M137	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	240	120	0.51	0.90	0.85	208
	M137	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	277	140	0.45	0.80	0.80	208
	M137	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	347	185	0.40	0.70	0.60	220
	M137	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	480	220	0.25	0.50	0.45	210
	M137	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	120	84	1.0	2.00	1.25	220
	M137	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	277	195	0.43	0.87	0.54	220
	M137	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	347	243	0.35	0.70	0.43	220
	M137	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	480	336	0.25	0.50	0.31	220
200	M136	LLRPSL	HPF	M5	+/-5%=+/-12%	-40C/-40F	277	180	1.00	0.80	1.30	218
	M136	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	120	80	1.15	2.20	1.80	232
	M136	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	208	140	0.65	1.25	1.25	232
	M136	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	240	160	0.55	1.10	1.10	232
	M136	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	277	180	0.49	0.95	0.90	232
	M136	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	347	215	0.55	0.77	0.75	232
	M136	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	480	240	0.19	0.50	0.43	232
	M136	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	277	138	0.60	0.90	0.50	244
250	M58orH37	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	120	65	1.35	2.60	2.04	294
	M58orH37	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	208	105	0.72	1.50	1.48	294
	M58orH37	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	240	125	0.65	1.30	1.22	294
	M58orH37	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	277	150	0.44	1.12	1.12	294
	M58orH37	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	347	190	0.35	0.85	1.05	294
	M58orH37	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	480	260	0.25	0.65	0.65	294
	M58orH37	CWI	HPF	M3	+/-10%=+/-10%	-30C/-20F	120/240	60/120	0.90/0.45	2.66/1.33	2.00/1.00	295
	M58orH37	CWI	HPF	M3	+/-10%=+/-10%	-30C/-20F	208	105	0.50	1.54	1.20	295
	M138	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	120	60	1.96	2.50	1.85	288
	M138	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	208	115	1.13	1.45	1.07	288
	M138	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	240	133	0.98	1.25	0.92	288
	M138	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	277	153	0.85	1.10	0.80	288
	M138	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	347	180	0.45	0.95	0.75	298
	M138	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	480	220	0.21	0.57	0.48	298
	M138	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	120	85	1.00	2.80	2.31	298
	M138	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	240	165	0.50	1.38	1.15	298
	M138	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	277	195	0.43	1.20	1.00	298
	M138	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	347	243	0.35	0.95	0.80	298
	M138	RLB	HPF	M6	+/-10%=+/-10%	-40C/-40F	480	336	0.25	0.70	0.58	298
320	M132	LLRPSL	HPF	M5	+/-5%=+/-12%	-40C/-40F	277	180	1.45	1.30	1.90	342
	M154/M132	LLSCWA	HPF	M7	(+/-)10%=(+/-)10%	-40C/-40F	120	67	2.04	2.96	1.95	350
	M154/M132	LLSCWA	HPF	M7	(+/-)10%=(+/-)10%	-40C/-40F	208	114	1.16	1.69	1.09	350
	M154/M132	LLSCWA	HPF	M7	(+/-)10%=(+/-)10%	-40C/-40F	240	135	1.01	1.48	0.97	350
	M154/M132	LLSCWA	HPF	M7	(+/-)10%=(+/-)10%	-40C/-40F	277	156	0.88	1.27	0.84	350
	M132	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	120	90	3.30	3.30	1.60	368
	M132	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	208	155	1.90	1.90	1.00	368
	M132	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	240	180	1.60	1.70	0.80	368
	M132	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	277	208	1.40	1.40	0.70	368
	M132	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	347	175	0.95	1.15	1.10	368
	M132	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	480	240	0.63	0.80	0.65	368

Ballast Data – Metal Halide (350W-1500W)

Wattage	ANSI Code	Ballast Type	Power Factor	Wiring Diagram	Open Regulation LineV=LampW	Minimum Starting Ambient	Primary Voltage	Dropout Voltage	Starting Current	Operating Current	Circuit Current	Input Wattage
350	M131	LLRPSL	HPF	M5	+/-5%=+/-12%	-40C/-40F	277	200	2.00	1.50	2.10	375
	M131	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	120	60	3.60	3.70	1.80	400
	M131	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	208	105	2.10	2.10	1.10	400
	M131	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	240	120	1.80	1.80	0.90	400
	M131	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	277	140	1.60	1.60	0.80	400
	M131	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	347	175	1.00	1.25	1.05	400
	M131	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	480	240	0.75	0.90	0.65	400
400	M59orH33	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	120	60	2.50	4.00	3.20	452
	M59orH33	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	208	105	1.40	2.30	1.80	458
	M59orH33	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	240	120	1.20	2.00	1.60	458
	M59orH33	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	277	140	1.00	1.75	1.50	458
	M59orH33	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	347	175	1.20	1.40	1.05	460
	M59orH33	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	480	240	0.60	1.00	0.90	465
	M59orH33	CWI	HPF	M3	+/-10%=+/-10%	-30C/-20F	120	60	1.30	4.20	4.10	465
	M59orH33	CWI	HPF	M3	+/-10%=+/-10%	-30C/-20F	208	104	0.75	2.45	2.40	465
	M59orH33	CWI	HPF	M3	+/-10%=+/-10%	-30C/-20F	240	120	0.65	2.10	2.05	465
	M59orH33	CWI	HPF	M3	+/-10%=+/-10%	-30C/-20F	277	138	0.60	1.70	1.80	462
	M59orH33	CWI	HPF	M3	+/-10%=+/-10%	-30C/-20F	347	174	0.50	1.35	1.45	462
	M59orH33	CWI	HPF	M3	+/-10%=+/-10%	-30C/-20F	480	200	0.60	1.00	0.90	458
	M135	LLRPSL	HPF	M5	+/-5%=+/-12%	-40C/-40F	277	200	2.10	1.70	2.10	425
	M155/M135	LLSCWA	HPF	M7	(+/-)10%=(+/-)10%	-40C/-40F	120	60	3.16	3.80	2.10	434
	M155/M135	LLSCWA	HPF	M7	(+/-)10%=(+/-)10%	-40C/-40F	208	104	1.78	2.10	1.20	434
	M155/M135	LLSCWA	HPF	M7	(+/-)10%=(+/-)10%	-40C/-40F	240	120	1.58	1.90	1.07	434
	M155/M135	LLSCWA	HPF	M7	(+/-)10%=(+/-)10%	-40C/-40F	277	138	1.38	1.65	0.92	434
	M135	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	120	90	3.30	4.00	2.30	456
	M135	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	208	155	2.00	2.30	1.90	456
	M135	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	240	180	1.75	2.10	1.60	456
	M135	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	277	208	1.40	1.80	0.90	456
	M135	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	347	175	1.20	1.40	0.95	456
	M135	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	480	240	0.85	1.00	0.63	456
	M135	SCWI	HPF	M4	+/-10%=+/-10%	-40C/-40F	120	60	1.30	4.20	3.80	455
	M135	SCWI	HPF	M4	+/-10%=+/-10%	-40C/-40F	208	104	0.75	2.40	2.20	455
	M135	SCWI	HPF	M4	+/-10%=+/-10%	-40C/-40F	240	120	0.65	2.10	1.90	455
	M135	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	120	65	1.85	4.00	2.40	465
	M135	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	208	113	1.10	2.30	1.40	465
	M135	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	240	130	0.95	2.00	1.20	465
	M135	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	277	150	0.70	1.70	1.25	465
	M135	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	347	185	0.55	1.40	0.90	465
	M135	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	480	250	0.40	1.00	0.70	465
450	M144	LLRPSL	HPF	M5	+/-5%=+/-12%	-40C/-40F	277	200	2.25	1.90	2.35	480
	M144	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	120	75	2.70	4.44	2.68	508
	M144	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	208	130	1.56	2.56	1.67	508
	M144	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	240	150	1.35	2.22	1.44	508
	M144	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	277	170	1.17	1.92	1.25	508
	M144	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	347	220	1.45	1.60	0.30	505
	M144	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	480	270	1.00	1.10	0.25	514
	M144	RLB	HPF	M6	+/-10%=+/-3%	-40C/-40F	277	110	0.70	2.00	1.25	530
750	M149	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	120	80	5.80	7.00	6.00	825
	M149	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	208	150	3.30	4.00	3.50	825
	M149	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	240	160	2.90	3.50	3.10	825
	M149	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	277	185	2.50	3.00	2.70	825
	M149	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	347	230	2.00	2.45	2.20	825
	M149	SCWA	HPF	M7	+/-10%=+/-10%	-40C/-40F	480	320	1.50	2.00	1.50	825
1000	M47orH36	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	120	85	5.70	9.20	6.00	1080
	M47orH36	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	208	145	3.40	5.30	3.50	1080
	M47orH36	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	240	170	2.90	4.60	3.00	1080
	M47orH36	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	277	195	2.50	4.00	2.60	1080
	M47orH36	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	347	245	1.30	3.20	2.50	1080
	M47orH36	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	480	335	1.50	2.30	1.60	1080
	M47orH36	CWI	HPF	M3	+/-10%=+/-10%	-30C/-20F	208	125	1.65	5.30	3.25	1080
	M47orH36	CWI	HPF	M3	+/-10%=+/-10%	-30C/-20F	240	145	1.30	4.80	3.20	1080
	M141	SCWA	HPF	M7	+/-10%=+/-10%	-30C/-20F	120	84	7.80	9.20	4.50	1080
	M141	SCWA	HPF	M7	+/-10%=+/-10%	-30C/-20F	208	146	4.00	5.30	2.70	1080
	M141	SCWA	HPF	M7	+/-10%=+/-10%	-30C/-20F	240	168	3.70	4.60	2.30	1080
	M141	SCWA	HPF	M7	+/-10%=+/-10%	-30C/-20F	277	194	3.20	4.00	2.20	1080
	M141	SCWA	HPF	M7	+/-10%=+/-10%	-30C/-20F	347	230	2.25	3.20	1.75	1075
	M141	SCWA	HPF	M7	+/-10%=+/-10%	-30C/-20F	480	320	1.65	2.35	1.30	1080
1500	M48	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	120	80	9.00	14.00	6.60	1610
	M48	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	208	140	5.20	8.00	3.85	1610
	M48	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	240	160	4.50	7.00	3.45	1610
	M48	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	277	185	3.85	6.00	3.05	1610
	M48	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	347	230	4.60	4.80	1.70	1610
	M48	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	480	320	2.25	3.50	1.65	1610

Important Changes in the 2005 National Electrical Code for Metal Halide Systems

The 2005 NEC requires that luminaires with a metal halide lamp be provided with either a containment barrier that encloses the lamp or with a means that will only accept an ANSI Type O metal halide lamp.

Metal halide lamps are rated based on their enclosure requirements:

ANSI Type E: enclosed-rated for luminaires that have a glass lens or plastic lens rated for arc tube containment.

ANSI Type S: standard lamps rated for enclosed luminaires or open luminaires if certain lamp operating conditions are followed based on the lamp manufacturer's recommendations.

ANSI Type O: open-rated for use in open or enclosed luminaires. These lamps have a special base with a narrow contact point.

Enclosed luminaires:

Lithonia metal halide enclosed luminaires are provided with a standard socket, which will accept Type E, Type S or Type O lamps.

Open luminaires:

Lithonia metal halide open luminaires are available with a protected socket, which will accept only Type O lamps.

For more information, see page 385 of the HID section, or go to:
http://www.lithonia.com/protectedsocket/



Mercury vapor lamps from 175 watts through 1000 watts will operate satisfactorily on equivalent-wattage probe-start metal halide ballasts.

For electrical characteristics of these wattages, see metal halide ballast information.

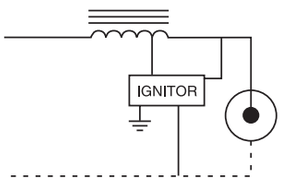
HAZARD WARNING – USE OF MERCURY VAPOR LAMPS

These lamps can cause serious skin burns and eye inflammation from ultraviolet radiation if the outer envelope of the lamp is broken or punctured and the arc-tube continues to operate. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain types of lamps that will automatically extinguish when the outer envelope is broken are commercially available.

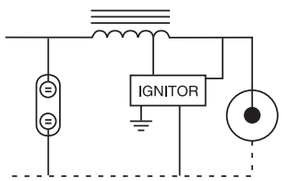


The Energy Policy Act of 2005 will ban the use of mercury vapor ballasts in the US, manufactured or imported after January 1, 2008.

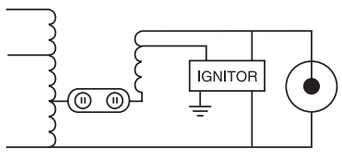
Wattage	ANSI Code	Open Ballast Type	Power Factor	Wiring Diagram	Regulation LineV=LampW	Starting Ambient	Minimum Primary Voltage	Dropout Voltage	Starting Current	Operating Current	Circuit Current	Input Wattage
50	H46	HX	NPF	M1 less cap	+/-5%=+/-12%	-30C/-20F	120	80	2.10	1.50	0.25	74
	H46	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	120/277	60/138	0.60/0.25	0.70/0.30	0.25/0.11	74
75	H43	HX	NPF	M1 less cap	+/-5%=+/-12%	-30C/-20F	120	102	2.60	1.60	0.30	96
	H43	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	120/277	64/145	0.80/0.35	0.90/0.40	0.50/0.22	93
100	H38 or H44	HX	NPF	M1 less cap	+/-5%=+/-12%	-30C/-20F	120	90	3.60	2.10	0.50	125
	H38 or H44	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	120	65	0.68	1.05	0.52	123
	H38 or H44	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	208	110	0.44	0.60	0.36	125
	H38 or H44	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	240	130	0.39	0.52	0.31	125
	H38 or H44	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	277	150	0.34	0.45	0.28	125
	H38 or H44	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	347	180	0.38	0.38	0.22	125
	H38 or H44	CWA	HPF	M2	+/-10%=+/-10%	-30C/-20F	480	230	0.26	0.26	0.16	120



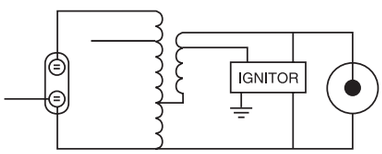
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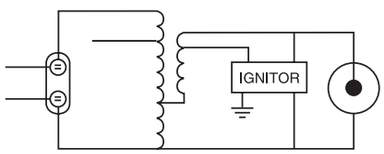
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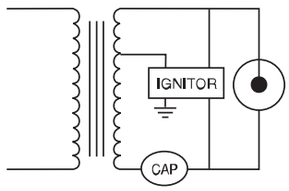
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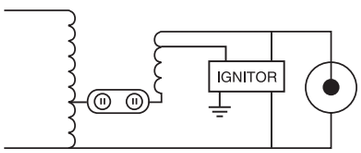
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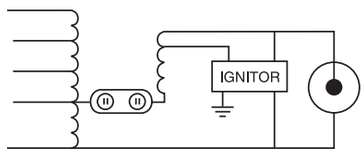
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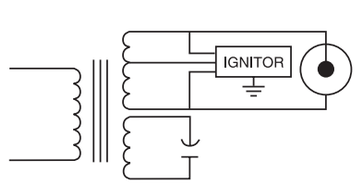
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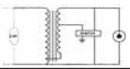
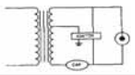
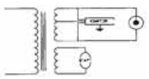


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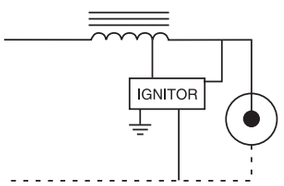


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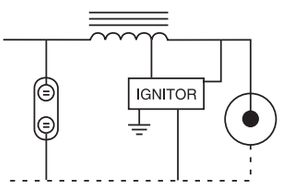
Ballast Circuit Data – High Pressure Sodium

Ballast Type	Available Input Voltage	Maximum Input Current	Power Factor	Regulation (+/- Input Voltage = +/- Lamp Wattage)	Input Watts Loss	Crest Factor
High Pressure Sodium						
Reactor 	50W, 70W, 100W, and 150W; 120V only	Higher than operating	50% NPF Standard 90% + HPF Optional	+/- 5% = +/- 12%	LOW	1.4 to 1.5
High-Reactance Autotransformer 	50W; 120V or 277V 70W, 100W, and 150W; 120V, 277V, or 347V	Higher than operating	90% + HPF	+/- 5% = +/- 12%	MEDIUM	1.5
Constant Wattage Autotransformer (CWA) 	70W, 100W and 150W; 120V or 277V 200W, 250W, 310W, 400W 600W, 750W, and 1000W; 120V, 277V, or 347V	Operating	90% + HPF	+/- 10% = +/- 10%	MEDIUM to HIGH	1.7 to 1.8
Constant Wattage Isolated (CWI) 	70W, 100W, 150W, 250W, and 400W; 120V, 208V, or 240V	Operating	90% + HPF	+/- 10% = +/- 10%	MEDIUM to HIGH	1.7 to 1.8
Magnetic Regulator (MRB) 	70W ; 120V or 240V 100W, 150W, 250W, and 400W; 120V, 240V, 277V or 480V 200W and 310W; 120V, 240V, or 480V	Operating	90% + HPF	+/- 10% = +/- 3%	HIGH	1.7 to 1.8

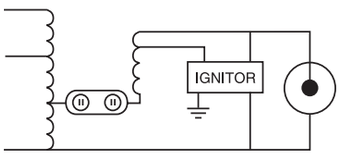
High Pressure Sodium



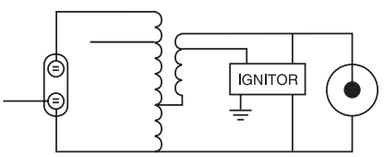
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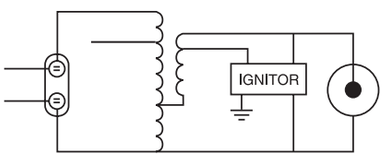
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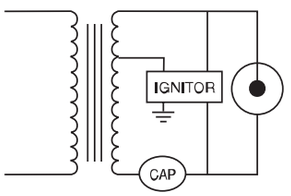
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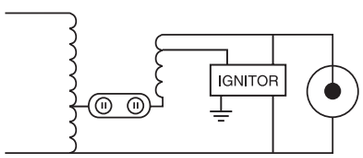
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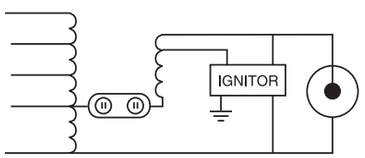
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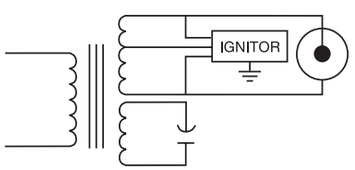
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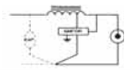
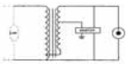
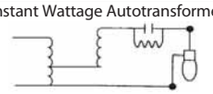
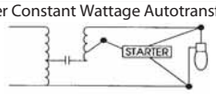
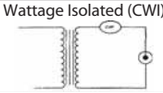
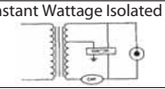
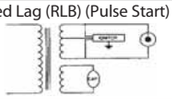
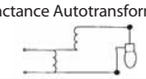


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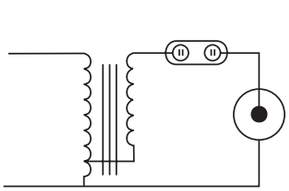
Ballast Circuit Data – Metal Halide & Mercuy Vapor

Ballast Type	Available Input Voltage	Maximum Input Current	Power Factor	Regulation (+/- Input Voltage = +/- Lamp Wattage)	Input Watts Loss	Crest Factor
Metal Halide						
Linear Reactor (Pulse Start) 	50W, 70W, 100W, 150W, 200W, 320W, 350W, 400W, and 450W; 277V only	Higher than operating	90% + HPF	+/- 5% = +/- 12%	LOW	1.4 to 1.5
High-Reactance Autotransformer (Pulse Start) 	50W; 120V or 277V 70W, 100W, and 150W; 120V, 277V, or 347V	Higher than operating	90% + HPF	+/- 5% = +/- 12%	MEDIUM	1.5
Constant Wattage Autotransformer (CWA) 	175W, 250W, 400W, and 1000W; 120V, 277V, or 347V	Operating	90% + HPF	+/- 10% = +/- 10%	MEDIUM to HIGH	1.7 to 1.8
Super Constant Wattage Autotransformer (SCWA) (Pulse Start) 	100W; 120V or 277V 150W; 120V, 277V or 347V 175W; 120V, or 347V 200W, 250W, 320W, 350W, 400W and 450W; 120V, 277V, or 347V	Operating	90% + HPF	+/- 10% = +/- 10%	MEDIUM to HIGH	1.6
Constant Wattage Isolated (CWI) 	250W; 120V, 208V, or 240V 400W; 120V, 208V, 240V, 277V or 347V 1000W; 208V or 240V	Operating	90% + HPF	+/- 10% = +/- 10%	MEDIUM to HIGH	1.7 to 1.8
Super Constant Wattage Isolated (SCWI) (Pulse Start) 	400W; 120V, 208V, or 240V	Operating	90% + HPF	+/- 10% = +/- 10%	MEDIUM to HIGH	1.6
Regulated Lag (RLB) (Pulse Start) 	175W; 120V, 277V, 347V, or 480V 200W and 450W; 277V only 250W and 400W; 120V, 240V, 277V, 347V, or 480V	Operating	90% + HPF	+/- 10% = +/- 3%	HIGH	1.6
Mercury Vapor						
High-Reactance Autotransformer 	50W, 75W, 100W, 175W, 250W; 120V only	Higher than operating	50% NPF Standard	+/- 5% = +/- 12%	MEDIUM	1.5
Constant Wattage Autotransformer (CWA) 	50W, 75W and 1000W; 120V, or 277V 100W, 175W, 250W, and 400W; 120V, 277V, or 347V	Operating	90% + HPF	+/- 10% = +/- 5%	MEDIUM to HIGH	1.7 to 1.8

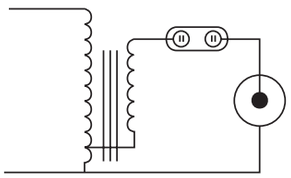
NOTE : Ungrounded power distribution systems may carry transient line voltages under fault conditions. Because high transients can cause premature ballst and lamp failures, it is not recommended that luminaires be operated on any 480V or other ungrounded systems.

The ballast serves four basic functions: 1) Transforms the line voltage to the required lamp operating voltage; 2) Limits the lamp operating current; 3) Provides the open-circuit starting voltage characteristics required to start the lamp; and 4) Regulates the lamp wattage for a variation in power supply input voltage.

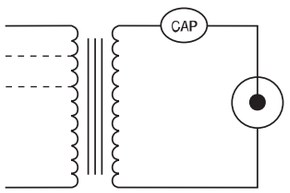
Metal Halide/Mercury Vapor



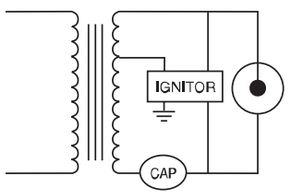
M1



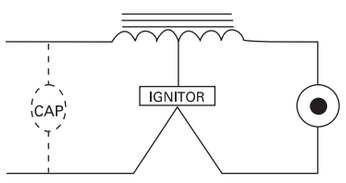
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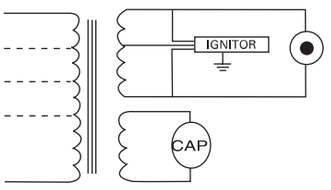
M3



M4



M5



M6

NOTE:
For M7 Super CWA Pulse Start Circuit Diagram, see H7 HPS Circuit Diagram.

Ballast Testing

1. H.I.D. Open-Circuit and Short-Circuit Test Limits

	Lamp			Secondary short circuit current Amps
	Wattage	ANSI Number	RMS Voltage	
Mercury ballasts	50	H46	225–255	0.85–1.15
	75	H43	225–255	0.95–1.70
	100	H38	225–255	1.10–2.00
	175	H39	225–255	2.00–3.60
	250	H37	225–255	3.00–3.80
	400	H33	225–255	4.40–7.90
	2–400 (ILO)	2–H33	225–255	4.40–7.90
	2–400 (Series)	2–H33	475–525	4.20–5.40
	700	H35	405–455	3.90–5.85
	1000	H36	405–455	5.70–9.00
Metal halide ballasts	70	M85	210–250	0.85–1.30
	100	M90	250–300	1.15–1.76
	150	M81	220–260	1.75–2.60
	175	M57	285–320	1.50–1.90
	250	M80	230–270	2.90–4.30
	250	M58	285–320	2.20–2.85
	400	M59	285–320	3.50–4.50
	2–400 (ILO)	2–M59	285–320	3.50–4.50
	2–400 (Series)	2–M59	600–665	3.30–4.30
	1000	M47	400–445	4.80–6.15
	1500	M48	400–445	7.40–9.60
High pressure sodium ballasts*	35	S76	110–130	0.85–1.45
	50	S68	110–130	1.50–2.30
	70	S62	110–130	1.60–2.90
	100	S54	110–130	2.45–3.80
	150	S55	110–130	3.50–5.40
	150	S56	200–250	2.00–3.00
	200	S66	200–230	2.50–3.70
	250	S50	175–225	3.00–5.30
	310	S67	155–190	3.80–5.70
	400	S51	175–225	5.00–7.60
	1000	S52	420–480	5.50–8.10
Low pressure sodium ballasts	18	L69	300–325	0.30–0.40
	35	L70	455–505	0.52–0.78
	55	L71	455–505	0.52–0.78
	90	L72	455–525	0.80–1.20
	135	L73	645–715	0.80–1.20
	180	L74	645–715	0.80–1.20

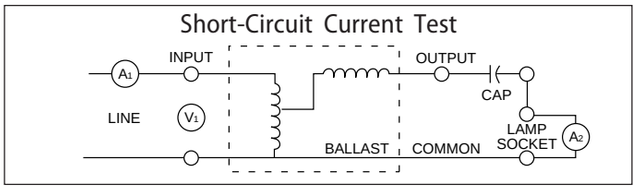
*CAUTION: Always disconnect the ignitor before measuring the output voltage of high pressure sodium ballasts. High voltage starting pulses can damage commonly used multi-meters.

2. H.I.D. Short-Circuit Lamp Current

To ensure the ballast is delivering the proper current under lamp starting conditions, a measurement may be taken by connecting an ammeter between the lamp socket center pin and the socket shell with rated input voltage applied to the ballast. If available, a socket adapter may be used.

1. Energize ballast with proper rated input voltage.
2. Measure current with ammeter at A_1 and A_2 as shown below.
3. Readings must be within test limits shown above.

When using a clamp-on ammeter for this measurement, be certain the meter is not near the magnetic field of the ballast or any steel member which might distort the magnetic field.



When short-circuit lamp current test results in high, low or no reading:

Further checks should be made to determine whether cause is attributable to improper supply voltage, shorted or open capacitor or inoperative ballast. Checks may be made as follows:

- *Supply Voltage Check*

  Measure line voltage. If ballast is multi-voltage unit make certain input voltage connection is made to proper input voltage terminal or lead.

- *Capacitor Check*

  Verify capacitor rating is as required and shown on ballast label.

- *Ballast Check*

  Perform open-circuit voltage test to ensure operation within the RMS range shown in the table to the left.

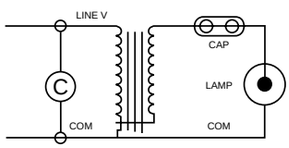
3. H.I.D. Ballast Continuity Testing

Continuity of Primary Coil

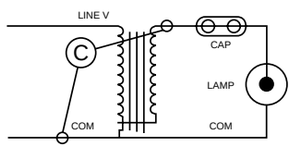
1. Disconnect ballast from power supply and discharge the capacitor.
2. Check for continuity of ballast primary coil between input leads.

Continuity of Secondary Coil

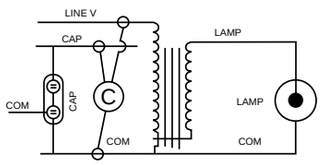
1. Disconnect ballast from power supply and discharge the capacitor.
2. Check for continuity of ballast secondary coil between lamp and common leads.



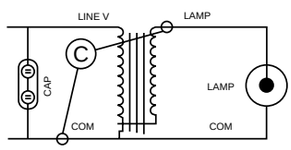
Between Common and Line Leads.



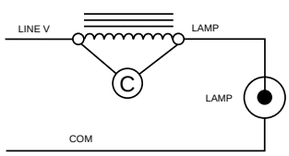
Between Common and Capacitor Leads.



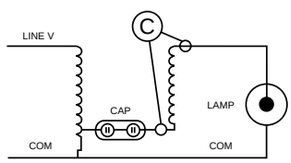
Between Line and Lamp Leads.



Between Common and Lamp Leads.



Between Common and Capacitor Leads.



Between Common and Lamp Leads.

NOTE: Information compiled by Advance Transformer Co. and reprinted with permission.

Technical and Design Considerations

CONTENTS

Lighting Terminology	724
Nighttime Friendly Lighting	725
LEED with Lighting	726
Energy and Environmental	729
Lighting Calculations	730
Troubleshooting Guide	731
Special Environments	732
Acrylic Compatibility Chart	735

Lighting Terminology

Definitions

Luminaire – A complete lighting unit consisting of lamp or lamps, the parts designed to distribute the light, the fixture housing and any necessary starting components (ballasts).

Photometrics – A photometric test measures the quantity and direction of light emitted from a luminaire. Photometrics refers to the measured values.

Luminous Intensity – Measured in a photometric test to describe the intensity of light in a particular direction. Measured in *candelas*.

Luminous Flux – The flow of light from a lamp or luminaire. Measured in *lumens*.

Illuminance – The flow of light onto a surface. Expressed in *footcandles* (English units) or *lux* (metric units).

Luminous Efficacy – Quantifies lumens produced per unit of power (watts) consumed. Can be used to evaluate the energy efficiency of a lamp or a luminaire. Measured in *lumens per watt*.

Luminaire Efficacy Rating (LER) – A metric used to describe the energy efficiency of lighting products. This value, listed on many product specification sheets, consists of a prefix indicating the product category and a number indicating lumens per watt or LER.

Luminous Efficiency – Total lumen output of a luminaire expressed as a percent of rated bare-lamp lumens (as determined by photometric tests). Luminous efficiency quantifies only the amount of light emitted from a luminaire. It does not describe the quality of the light from the luminaire.

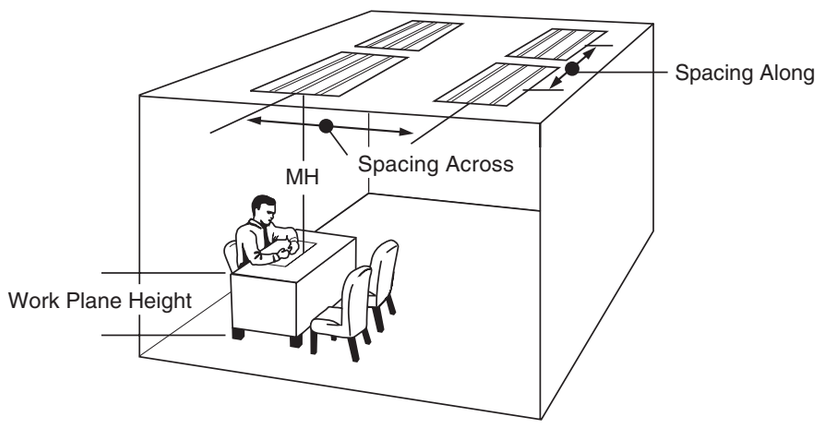
Work Plane – A horizontal surface where visual tasks are performed. The work plane is typically *ground level* for outdoor applications and *2.5 feet* for office applications (corresponding with desk height). In some cases, a work plane may be vertical, such as a library stack or warehouse rack.

Coefficient of Utilization (CU) – The percent of rated bare-lamp lumens that exit the fixture and reach the work plane. The CU accounts for light directly from the luminaire as well as light reflected off the room surfaces. The CU value is used in lighting calculations to estimate light levels or the quantity of luminaires needed. The CU is determined from a photometric test and is typically published on product catalog sheets in a tabular form.

Spacing to Mounting Height Ratio (S/MH) – A value, calculated from photometric data, that is used to estimate how far apart luminaires mounted in a row can be spaced to maintain uniform illuminance on the work plane. The spacing criterion value is multiplied by the luminaire mounting height above the work plane to estimate acceptable spacing. For luminaires mounted in a rectangular array, the spacing criterion provides a better indicator of the spacing required to achieve uniform illuminance.

Spacing Criterion (SC)

A value, calculated from photometric data, that is used to estimate how far apart luminaires can be spaced to maintain uniform illuminance on the work plane. The spacing criterion value is multiplied by the luminaire mounting height above the work plane to estimate an acceptable center-to-center luminaire spacing.



Luminaire Spacing = Spacing Criterion x mounting height above work plane (MH)

Luminaire Classifications for Controlling Glare

The Illuminating Engineering Society of North America (IESNA, or IES) provides classifications for luminaires according to their glare control and high-angle brightness. These classifications include full cutoff, cutoff, semi-cutoff and non-cutoff.

Acuity Brands Lighting uses Nighttime Friendly to identify products that reduce negative impacts on the nighttime environment. Products designated with the Nighttime Friendly logo have no uplight, meet the IESNA definition for full cutoff optics and reduce high-angle brightness. These measures of luminaire performance are consistent with sustainability standards for light pollution reduction.

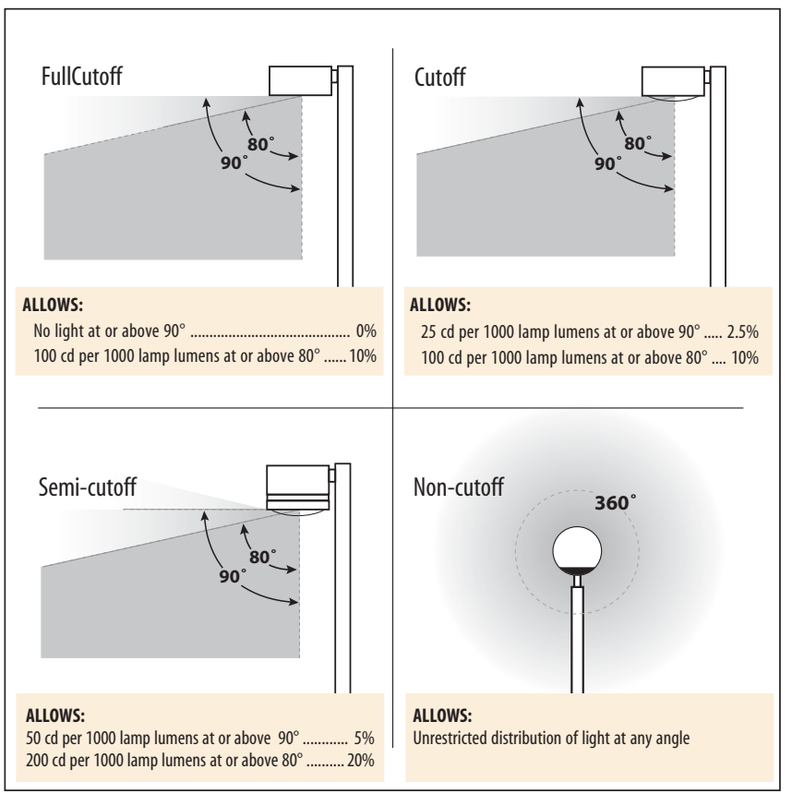
For applications where there is a concern with light trespass on neighboring properties, consider products that limit light behind the pole such as the Type 4 sharp cutoff optical system or house side shielding.

NIGHTTIME FRIENDLY™

Nighttime Friendly designates products with superior optical control that are consistent with the goals of USGBC LEED® and meet Green Globes™ product criteria for light pollution reduction. These products are full cutoff and no more than 10% of the lumens from the luminaire are emitted above 80 degrees from nadir.

Classification	Definition	Benefits	Limitations
Full Cutoff	Zero intensity at or above horizontal (90° above nadir) and limited to a value not exceeding 10% of lamp lumens at or above 80°.	Limits spill light onto adjacent property, reduces glare. No light is emitted directly from the luminaire into the sky.	May reduce pole spacing to maintain uniformity and increase pole and luminaire quantities.
Cutoff	Intensity at or above 90° (horizontal) no more than 2.5% of lamp lumens, and no more than 10% of lamp lumens at or above 80°.	Small increase in high-angle light allows increased pole spacing.	May allow some uplight from luminaire. Typically a small overall impact on sky glow.
Semi-cutoff	Intensity at or above 90° (horizontal) no more than 5% of lamp lumens and no more than 20% at or above 80°.	High-angle light accents taller vertical surfaces such as buildings. Most light is still directed downward.	Little control of light at property line. Potential for increased glare when using high wattage luminaires. Typically directs more light into the sky than cutoff.
Non-cutoff	No limitations on light distribution at any angle.	Uniform luminous surfaces such as internally illuminated signs or globes. Wattage should be limited. Suitable for sports lighting, facade, landscape or other applications where luminaires are tilted due to limitations in pole or fixture locations.	Location and aiming are critical. Most likely of all categories to produce offensive brightness and sky glow.

NOTE:
The Illuminating Engineering Society of North America plans to adopt a new luminaire classification system in 2006 that will supercede the current cutoff classifications.



LEED with Lighting – A LEED Overview

The Leadership in Energy and Environmental Design (LEED) Green Building Rating System® is a voluntary, consensus-based national standard developed by the US Green Building Council (USGBC). LEED standards define the criteria for developing high-performance, environmentally sustainable buildings. For full details, go to www.AcuityBrandsLighting.com/sustainability.

Category	Prerequisite or Credit	NC v2.2 New Construction	EB v2 Existing Buildings	CI v2 Commercial Interiors
Site Selection	Light pollution reduction (½ to 1 credit)	Interior Lighting • The angle of max candela from each interior luminaire shall not exit out through the windows OR All non-emergency interior lighting shall be automatically controlled to turn off during non-business hours. Exterior Lighting • Do not exceed 80% of the LPDs for exterior areas and 50% for building facades and landscape features as defined in ASHRAE/IESNA Standards 90.1-2004 without amendments. • Limits have been set (by IESNA Lighting Zone) on illuminance outside of site boundaries, fall off of illuminance outside of site boundaries and total uplight.	• Have no luminaire 50 watts or greater with uplight or show that less than 5% of light emitted by all exterior luminaires reaches the night sky on an annual basis. • The direction of max intensity for all interior luminaires must fall within the building (not striking a window). • The direction of max intensity for all exterior luminaires must fall within the property.	• Meet or be lower than light levels in IESNA RP-33-99. • Shield all exterior luminaires with initial lamp lumens over 1000 lumens. • All exterior luminaires with initial lamp lumens over 3,5000 must be IESNA full cutoff. • The direction of max intensity for all interior luminaires must fall within the building (not striking a window). • All exterior lighting within 2.5 mounting heights of the property boundary cannot emit light off of the property.
Energy & Atmosphere	Fundamental commissioning (prerequisite)	Lighting controls (including for daylighting) must be commissioned.	Lighting controls (including for daylighting) must be commissioned.	Lighting controls (including for daylighting) must be commissioned.
	Minimum energy performance (prerequisite)	Meet ASHRAE/IESNA 90.1 - 2004 or local energy code (whichever is more stringent)	Achieve an EPA energy performance rating of at least 60 using the portfolio manager.	Meet ASHRAE/IESNA 90.1 - 2004 with amendments or local energy code (whichever is more stringent)
	Optimize energy performance (1-10 credits)	Reductions in energy use below that set in ASHRAE/IESNA 90.1 - 2004 without amendments: • 10.5% = 1 point • 14.0% = 2 • 17.5% = 3 • 21.0% = 4 • 24.5% = 5 • 28.0% = 6 • 31.5% = 7 • 35.0% = 8 • 38.5% = 9 • 42.0% = 10	Achieve an EPA energy performance rating of at least: • 63 = 1 point • 67 = 2 • 71 = 3 • 75 = 4 • 79 = 5 • 83 = 6 • 87 = 7 • 91 = 8 • 95 = 9 • 99 = 10	Reductions in lighting power density below that set in ASHRAE/IESNA 90.1 - 2004 with amendments: • 15% = 1 point • 25% = 2 • 35% = 3 And install daylight responsive controls in regularly occupied spaces within 15' of windows and under skylights = 1 point.
	Enhanced metering (¼ credit)	Lighting systems and controls are optional.	Lighting systems and controls are optional.	Lighting systems and controls are not optional.
Materials & Resources	Mercury content in lamps (prerequisite)		Below 100 picograms per lumen-hour.	
	Mercury content in lamps (1 credit)		Below 80 picograms per lumen-hour.	
	Recycled content	Lighting equipment is specifically excluded from this credit.		Lighting equipment is specifically excluded from this credit.
	Regional materials	Lighting equipment is specifically excluded from this credit.		Lighting equipment is specifically excluded from this credit.
Indoor Environmental Quality	Controllability of systems (1-2 credits)	• Provide individual lighting controls for 90% (minimum) of the building occupants to enable adjustments to suit individuals task needs and preferences AND • Provide lighting system controllability for all shared multi-occupant spaces to enable lighting adjustment that meets group needs and preferences.	Provide lighting control for: • 50% of all occupants allowing for individual adjustments, and • All shared areas	Provide lighting control for: • 90% of all occupants allowing for individual adjustments, and • All shared areas



RTS™ Volumetric Recessed Lighting



Direct-Indirect Lighting



Architectural Grade Downlighting



Industrial Spaces



Commercial Downlighting



Exit Signs

Superior optics in the lighting will help the designer toward a goal of meeting the energy prerequisite of LEED and to maximize the number of optional points to be obtained while meeting the vision needs of the occupants. In interior spaces, high efficiency products such as these minimize energy use while providing excellent visual acuity and a safe and secure environment. Links are provided to web-based examples of using these products to meet LEED requirements.

RT5™ Volumetric Recessed Lighting

Looking for something better than the harsh overhead light and confining cave effect of parabolics? Choose the new standard in fluorescent lighting – RT5 volumetric recessed lighting from Lithonia Lighting. Unlike parabolics, RT5 luminaires are designed to deliver the right amount of soft, comfortable light throughout a room, truly enhancing the work environment. This makes this new fixture an ideal solution for offices, schools, hospitals, retail and other workspaces.

Producing 52 fc on 8'x10' spacing allows RT5 luminaires to consume up to 33% less energy then the standard 18-cell, 3-lamp, T8 parabolic for a lighting power density of only 0.75 watts per square foot. This is 43% less than the 90.1-1999 requirement for offices helping you toward six points under EAc1-Optimizing Energy Performance. Intelligent technology includes stepped switching bi-level output, and for even greater energy savings, end-of-life sensing.

Direct-Indirect Lighting

Peerless has always designed lighting fixtures that use high efficiency fluorescent lamps, and in fact, we pioneered the concept of indirect lighting, a healthier, more energy-efficient approach to lighting offices and educational environments. Recently conducted research into the effects of lamp operating temperatures on performance, allowed us to further increase efficiency by ensuring all our luminaires are thermally optimized. We also have designed HOT-5 + products to achieve the lamp manufacturers' peak output rating of 5000 lumens, reducing energy and materials usage, reducing lamp maintenance and disposal costs.

Architectural Grade Downlighting

Make a distinct visual statement while using highly efficient sources such as compact fluorescent. Differentiate a space with light. Add unique character; give your design an edge. You want to play with light. So do we. ICE™ is about having some fun with lighting while saving energy.

Industrial Spaces

Lithonia's new I-BEAM™ unit is the perfect match for high bay situations. Available in 4 or 6 high performance T8 lamps with wide or narrow distributions, the I-BEAM Series ranges in efficiency from 87% to more than 96%. When HID is still the right choice, we have a wide range of luminaires using pulse-start technology. A change in the lamp and ballast construction allows pulse-start metal halide lamps to start using a high voltage ignitor in the ballast instead of a starting electrode (probe) in the lamp. The result is a "white light" system that challenges high pressure sodium's long lamp life, high lumen output and quick starts capabilities.

Lithonia Commercial Downlighting

Compact fluorescent downlights are ideal for energy-efficient illumination in many applications. Reduced energy consumption coupled with long lamp life reduces energy and maintenance costs. Lithonia Downlighting products offer exceptional quality, performance, availability, versatility and selection to help you meet your design needs.

Exit Signs

The Precise® edge-lit, Signature® die-cast aluminum, Extreme® all-conditions cast aluminum and Quantum® thermoplastic exit sign families provide a broad range of attractive products for many building applications where low energy consumption and longevity are required. Our LED lighting sources provide bright and even illumination that lasts more than 25 years with energy requirements of as little as 0.62-watts. The high performance levels of Lithonia Lighting exit signs easily surpass the stringent guidelines that have been set by the EPA and U.S. Department of Energy.

LEED with Lighting – Controlling the Lights

To make the most of the LEED criteria EAp2-Minimum Energy Performance, EAc1-Optimize Energy Performance, EAc5-Measurement & Verification and EQc6-Controllability of Systems lighting controls are a must, including:

- Automatic shutoff
- Occupancy sensors
- Lighting load reduction
- Daylight harvesting
- Outdoor lighting control

Synergy® System

A unique lighting control system that integrates all aspects of lighting control into a single system platform. Synergy combines architectural dimming, low-voltage switching, lighting automation and energy management functions into a single scalable package capable of meeting the requirements of virtually any lighting control application.



Synergy® System

Occupancy Sensors

The ABL sensor line consists of multiple sensing technologies including Infrared, Ultrasonic and combined multi-technology offering directional or omni-directional sensing. These sensors provide effective coverage for automatic on/off lighting control in indoor applications, immediately switching lights on when movement is detected. After the room is vacated for a preset length of time, the sensor automatically switches lights off.



Occupancy Sensors

KiloWatch® System

Ideal for warehouses, storage areas, parking garages, shipping docks and gymnasiums. Energy savings for HID lighting through a multi-level control system. With energy costs on the rise, there is a need for a better control of energy usage. Efficient, well-designed lighting systems offer a tremendous opportunity to reduce energy consumption while maintaining productivity. The KiloWatch system from Lithonia Lighting combines the high efficiencies and energy savings of high intensity discharge lighting with proven control technology, allowing you to have light when you need it and save energy when you don't. KiloWatch systems can reduce lighting power cost by up to 40%.



KiloWatch® System

Multi-Level Outdoor Lighting

Acuity Brands Lighting offers a compact and economical lighting control panel that offers simplified solutions for exterior lighting control applications. This time-based controller switches lighting On/Off at pre-set times while managing a variety of low-voltage inputs for photocells and switches. The built-in astronomic time clock function with daylight savings capability meets many outdoor lighting control code requirements. Relays are rated to directly switch 20A or 30A lighting loads, eliminating the need for external contactors or relays.



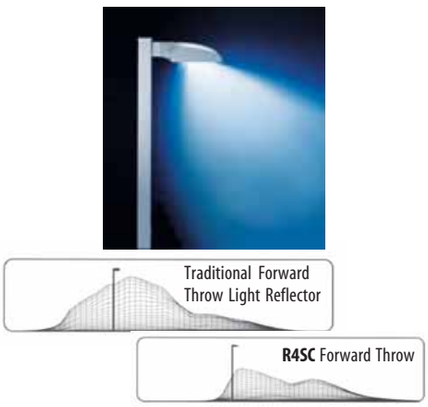
Multi-Level Outdoor Lighting



Full Cutoff Luminaires

Full Cutoff Luminaires

Whatever your needs, 150W to 1000W, square or round housings, architectural styling or economic solutions, Acuity Brands Lighting has the right full cutoff product to assist you in meeting LEED criteria SSc8 (Light Pollution Reduction). Full cutoff distributions are available in area, roadway and wall mounted fixtures.



Superior Optical Designs

Superior Optical Designs

The Aeris™ Series provides nighttime performance as dramatic as its daytime appearance. High performance optics make the best use of new efficient lamps, resulting in low energy consumption. These reflectors are tuned for improved performance at lower mounting heights ensuring pole-mounted luminaires will maintain proper scale with the structure. Distribution types SR2, SR3, SR4SC (sharp cutoff), SR4W (wide), and SR5S provide choices for effective coverage of roadways, parking lots, walkways and campuses, All reflectors are interchangeable and can be rotated in 90° increments. The unique nature of the Aeris optics virtually eliminates the stripes, or striations, normally associated with horizontal lamp luminaires. For more than 10 years, the SR4SC distribution has been the industry's best solution to controlling stray light behind the pole. With a new and improved design, the SR4SC now provides even more light in front of the pole while improving cutoff of back light. Aeris luminaires are true architectural lighting instruments. The SR4SC optics package is available in a wide range of outdoor products including projects looking for an economical solution.



Eurotique® Luminaires

Eurotique® Luminaires

Performance with style! Eurotique luminaires offer superior nighttime performance without jeopardizing the architectural integrity of your project. The carefully scaled family approach to design offers you the ability to begin at the building and continue through the parking lot and into the street with continuity in your design. The multiple fixture and arm styles along with the availability of two different sizes gives you the ability to match virtually any architectural style. The modular design concept of Eurotique offers ease of installation and simple lamp and ballast access for maintenance. Eurotique products are available in a Full Cutoff distribution to meet SSc8 – the Light Pollution Reduction credit.

Energy and Environmental Information

Luminaire Efficacy Rating (LER)

The Energy Policy Act of 1992 requires that the lighting industry develop a rating for luminaires that allows designers to compare the energy efficiency of lighting products.

Luminaire Efficacy Rating (LER) has been developed by the National Manufacturer's Association (NEMA) and approved by the National Lighting Collaborative to fulfill the requirements for the Energy Policy Act.

The Collaborative represents a broad spectrum of industry professionals including manufacturers, industry associations, government, designers and energy conservation groups.

This rating already has begun to be incorporated on Lithonia specification sheets and catalog information. NEMA document LE5 describes the calculation of LER as:

$$LER = \frac{EFF \times TLL \times BF}{\text{Input Watts}}$$

where

EFF = luminaire efficiency

TLL = # lamps per luminaire X rated lumens per lamp

BF = ballast factor

Input watts = total system watts of the luminaire

This results in a lumens-per-watt rating that can be used to compare the energy efficiency of various products.

The initial implementation of rating luminaires covers categories of common fluorescent 4′ and 8′ luminaires, downlights and HID industrial luminaires. In addition to the LER value, a prefix indicating the type of source and general category of luminaire (such as FL for Fluorescent Lensed, FP for Fluorescent Parabolic or HO for HID Open Industrial) ensures that comparisons can be made among similar products.

As part of the Lithonia Lighting commitment to quality, our laboratory has been accredited by the National Voluntary Laboratory Accreditation Program (NVLAP), administered by the National Institute of Standards and Technology (NIST).

The Acuity Brands Lighting – Conyers Lab is NVLAP-accredited for the scope of accreditation under NVLAP Lab Code 200007-0. NVLAP accreditation is based on an assessment of a laboratory's quality system, technical qualifications and competence to perform tests in accordance with specific test methods.

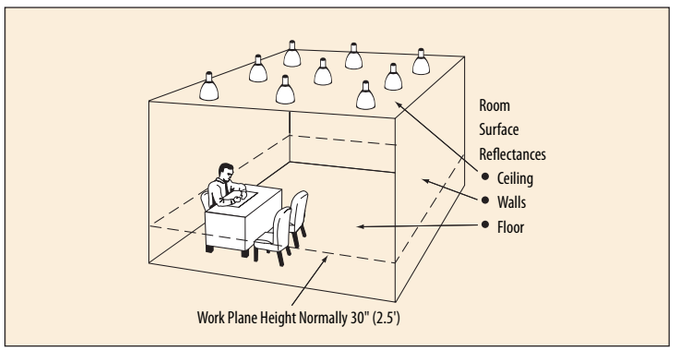
Our accreditation is under the NVLAP Energy Efficient Lighting Products Program. For a complete listing of the scope of accreditation, go to the website:

ts.nist.gov/ts/htdocs/210//214/scopes/2000070.htm.

Lighting Calculations

Well-balanced illumination is the signature of quality lighting design. Whether lighting for visual task performance or for aesthetic appeal, calculations are the mechanism through which quality design is achieved. The following methods are instrumental in designing and evaluating potential systems.

The Lumen Method



The lumen method is used when an average horizontal illuminance level is desired. It is based on the fundamental equation for illuminance, or

$$\text{Illuminance} = \frac{\text{Luminous flux in lumens}}{\text{Area}}$$

The general lumen method equation, also known as the zonal cavity method, is:

$$E_{ave} = \frac{(\#\text{Luminaires})\ (\#\text{Lamps})\ (\#\text{Lumens})\ (\text{CU})\ (\text{LLF})}{\text{Room Length} \times \text{Room Width}}$$

- E_{ave}: Average horizontal work plane illuminance (fc or lux)
- #Luminaires: Number of luminaires in the space
- #Lamps: Number of lamps in each luminaire
- #Lumens: Manufacturer's rated lamp lumen output per lamp
- CU: Application coefficient of utilization
- LLF: Application light loss factor

An alternate form via algebraic manipulation is:

$$\#\text{ of Luminaires Required} = \frac{(E_{ave}\ \text{desired})\ (L)\ (W)}{(\#\text{Lamps})\ (\#\text{Lumens})\ (\text{CU})\ (\text{LLF})}$$

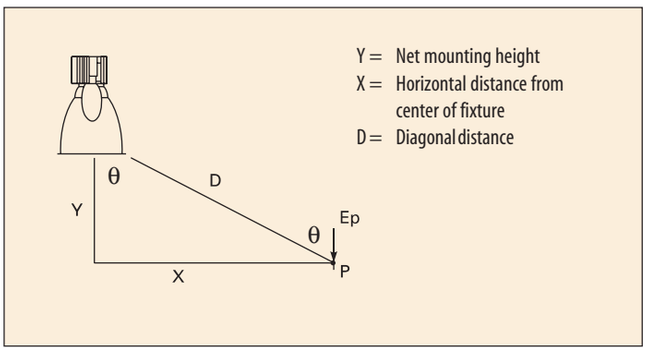
The *coefficient of utilization* is based on the photometric distribution of the luminaire and the geometry and surface reflectances of the space. It is typically less than 1.0 and represents the percentage of the total lamp lumens that ultimately reach the horizontal work plane (see figure above). Pre-calculated values can be found on the appropriate product's specification sheet.

The *light loss factor* accounts for decreased light output over time. It addresses variations from test conditions, equipment operating characteristics, depreciating lamp lumen output, dirt buildup, material degradation and ballast factor.

This calculation method is valid for an empty rectangular room geometry, a uniform layout of lighting equipment and uniform luminance on room surfaces.

The Visual® Lumen Method Tool is lighting design sofware that provides step-by-step guidance through the Lumen Method calculation, as described in the IESNA handbook. It is included with both the Visual Basic and Professional Editions, and is available from Acuity Brands Lighting Group at www.visuallightingsoftware.com.

The Point Method



The point method is used to determine the specific illuminance at a point in space. These calculations are invaluable for analyzing the variations in illuminance over a region. Based on spatial geometry, the point method equation, also known as the inverse square and cosine laws, is:

$$E_p = \frac{I_p}{D_2} \text{ Cosine } \theta$$

- E_p: Horizontal illuminance at point P
- I_p: Luminous intensity in the direction of point P
- D_2: Distance from source to point P

The *luminous intensity* is found in a luminaire's photometric report, and the distance is computed using a standard geometric formula. Referring to the figure above, the formula for the diagonal distance D is:

$$D = \sqrt{(X^2 + Y^2)}$$

Because light is additive, the total direct point illuminance is simply the sum of the individual contributions from each luminaire or source.

The point method as presented here does not account for light that is reflected from room surfaces.

While point illuminance can be calculated using the inverse square cosine law, this method does not account for light that is reflected from room surfaces or shadows from obstructions. Visual® software from Acuity Brands Lighting Group is a collection of lighting calculation tools and powerful 3D modeling software engineered to simplify the design process and provide a comprehensive analysis for advanced lighting projects. The Visual Professional Edition is a comprehensive lighting analysis tool designed for demanding interior and exterior applications. The Professional Edition combines an intuitive user interface with the latest advances in radiosity theory to provide efficient and highly accurate analysis of complex modeling environment, resulting in an intuitive and powerful design experience. A trial edition of Visual software can be obtained from www.visuallightingsoftware.com.

Most lighting installations provide reliable service for many years with no maintenance except for routine cleaning and lamp replacement. If a malfunction does occur, use the information below to diagnose and correct the problem. *Disconnect the power before servicing any lighting system.* Do not perform service while the fixture is engaged. Contact the Lithonia Customer Service Department if you need further assistance.

The following is a list of common malfunctions, possible causes and appropriate corrective action.

Lamp Will Not Start

Incorrect lamp or ballast – Check fixture label against lamp type. Check lamp and ballast ANSI numbers to ensure they match. Check that lamp is in proper burning position (Metal Halide).

Lamp is improperly seated in socket – Back out lamp and retighten. Check pin connection with socket. HID: Check to see if center contact of socket is compressed. If so, disconnect fixture from power supply and bend contact into position with a screwdriver.

Incorrect or loose wiring – Disconnect from power. Check wiring connections. HID: Connect fixture lead marked with proper voltage to voltage supply lead. 120V, 277V and 347V: Connect lead marked COM to neutral supply. 208V, 240V and 480V: Connect lead marked COM to other voltage supply lead.

Lamp at or near end of life – Replace with new lamp. HID arc tubes will blacken near end of life. Mercury and metal halide lamps will produce low light output and may exhibit intermittent starting. Metal halide will suffer severe color changes. High pressure sodium lamps will exhibit normal starting but will turn on and off (cycle) during operation. The envelope of a high pressure sodium lamp may develop a brownish discoloration. Low pressure sodium lamps will operate at nearly full light output but starting will become impossible at end of life.

Photoelectric control defective – Disconnect button type cell from circuit or replace NEMA twist-lock cell with shorting cap, test fixture. If lamp starts, replace PE control.

Line or ballast output voltage low – Check line voltage at the fixture. Check open circuit voltage. See page 722 for HID ballasts.

Ballast burned out – Check circuit continuity. See page 711 for fluorescent ballasts. See page 722 for HID ballasts.

Starter circuit failure – Replace lamp with known good lamp. If lamp fails to start, replace starter.

Improper ambient temperature – Check ballast or fixture rating against existing environmental conditions. Fluorescent lamps experience starting problems when the ambient temperature is below 50°F. Mercury and metal halide will start above -20°F and high pressure sodium above -40°F.

Incorrect or loose wiring – Disconnect from power. Check wiring connections.

Slow or Erratic Starting

Lamp at or near end of life – Replace with new lamp. HID arc tubes will blacken near end of life. Mercury and metal halide lamps will produce low light output and may exhibit intermittent starting. Metal halide will suffer severe color changes. High pressure sodium lamps will exhibit normal starting but will turn on and off (cycle) during operation. The envelope of a high pressure sodium lamp may develop a brownish discoloration. Low pressure sodium lamps will operate at nearly full light output but starting will become impossible at end of life.

Line or ballast output voltage low – Check line voltage at the fixture. Check open circuit voltage. See page 722 for HID ballasts.

Line voltage varies – Check incoming voltage with recording voltmeter (if this is the problem, check other equipment on the same circuit).

Incorrect lamp or burning position – Check fixture label against lamp type. Check lamp and ballast ANSI numbers to ensure they match. Check for proper lamp operating position (metal halide).

Improper ambient temperature – Check ballast or fixture rating against existing environmental conditions. Fluorescent lamps experience starting problems when ambient temperature is below 50°F. Mercury and metal halide will start above -20°F and high pressure sodium above -40°F.

Hard-starting lamp – Replace with new lamp if delay is lengthy.

Incorrect or loose wiring – Disconnect from power. Check wiring connections.

Ballast near or at end of life – Test ballast. See page 711 for fluorescent ballasts.

Blinking, "Snaking" or Flickering (Fluorescent)

New lamp may need to be seasoned – Turn fixture on and off several times at 30-minute intervals.

Ambient temperature too low – If ambient temperature is below 50°F, change to ballast rated for conditions.

Significant air movement across lamps – Check for fans or air conditioning blowing across lamps.

Incorrect or loose wiring – Disconnect from power. Check wiring connections.

Line voltage varies – Check voltage supply. See page 711 for fluorescent ballasts.

Cycling (Lamp Turns On and Off)

Line voltage varies – Check voltage supply.

Faulty insulation detector (recessed fixtures) – Bypass to verify or move insulation if in contact. Insulation must be kept at least 3" from the side and 1/2" from the top of the fixture.

High Intensity Discharge:

Lamp at end of life or defective HPS lamp – Replace with new lamp.

PE control receives reflected light – Cover PE control and test fixture.

Incorrect lamp or ballast – Compare fixture and lamp labels for matching wattage and source. Compare fixture and system voltage rating.

Ballast output voltage low – Check line voltage at fixture. Check open circuit voltage. See page 722 for HID ballasts.

Incorrect lamp operating position (metal halide) – Check lamp specifications for proper operating position.

Fluorescent:

Incorrect or loose wiring – Disconnect from power. Check wiring connections.

Ballast is operating too hot – Check for high ambient temperatures, ventilate or suspend fixture.

Ballast near or at end of life – Test ballast. See page 711 for fluorescent ballasts.

Reduced Light Output

Improper ambient temperature – Fluorescent: Check for ambient temperature significantly above or below 77°F.

Air movement across lamps – Fluorescent: Check for fans or air conditioning blowing across lamps.

Lamp at or near end of life – Replace with new lamp. HID arc tubes will blacken near end of life. Mercury and metal halide lamps will produce low light output and may exhibit intermittent starting. Metal halide will suffer severe color changes. High pressure sodium lamps will exhibit normal starting, but will turn on and off (cycle) during operation. The envelope of a high pressure sodium lamp may develop a brownish discoloration. Low pressure sodium lamps will operate at nearly full light output but starting will become impossible at end of life.

Incorrect or loose wiring – Disconnect from power. Check wiring connections.

Ballast near or at end of life – Test ballast. See page 711 for fluorescent ballasts. See page 722 for HID ballasts.

Short Lamp Life

Incorrect lamp or ballast – Compare fixture label against lamp type. Check lamp and ballast ANSI numbers to ensure they match. Check that lamp is in proper burning position.

Line voltage or ballast output voltage low – Check line voltage at fixture. Check open circuit voltage. See page 722 for HID ballasts.

Lamp operates less than 10 hours per start – Rated lamp life is based on 10 hours of operation per start. General rule for expected lamp life is: 50% reduction in burn time per start results in 25% reduction in lamp life.

Faulty lamp – Replace with new lamp.

Radio Interference (Fluorescent)

Interference from electronic equipment – Move electronic equipment at least 10 feet away from lamps. Install radio frequency shielding. Install radio interference filter. Improve equipment grounding. Install shielded and grounded radio antenna.

Blown Fuses or Tripped Circuit Breaker (HID)

Improper fuses installed in fixture – Check fuses to fixture manufacturer's specification. Replace if incorrect.

Overloaded circuit – Verify that total circuit load is less than circuit rating.

Shorted (grounded) fixtures – Check with shorted (grounded) test. If shorted, replace fixture. See page 722 for HID ballasts.

Ingress Protection

The IEC (International Electrotechnical Commission) uses the term "International Protection" or IP to define the environmental protection of an enclosure. This is described in IEC Standard 529.

The IP rating system designates, by means of a two-digit number, the degree of protection against ingress of dust and moisture. The first digit defines the level of protection against solid objects, while the second digit defines the level of protection against moisture. The higher the digit, the greater is the level of protection.

First Digit Degree of protection against solid objects	Second Digit Degree of protection against water
0 Non-protected	0 Non-protected
1 Protected against a solid object greater than 50mm such as a hand	1 Protected against water dripping vertically
2 Protected against a solid object greater than 12mm such as a finger	2 Protected against dripping water when incident up to 15° from vertical
3 Protected against a solid object greater than 2.5mm such as a wire or a tool	3 Protected against water spraying at an angle of up to 60°
4 Protected against a solid object greater than 1.0mm such as a wire or thin strip	4 Protected against water splashing from any direction
5 Dust-protected. Prevents ingress of dust sufficient to cause harm	5 Protected against jets of water from any direction
6 Dust-tight. No dust ingress.	6 Protected against heavy seas or powerful jets in harmful quantities
	7 Protected against harmful ingress of water when immersed between a depth of 150mm and 1 meter
	8 Protected against submersion. Suitable for continuous immersion in water

Protection Against Moisture

UL and CSA define several levels of protection against moisture damage to a luminaire. These definitions describe the space in which the luminaire is intended to operate without damage to the electrical or mechanical components from the environment. These definitions cover pure water protection only, not damage protection from acidic or alkaline conditions.

Dry Location – A location not normally subject to dampness, but may include a location subject to temporary dampness as in the case of a building under construction, provided that ventilation is adequate to prevent an accumulation of moisture.

Damp Location – An exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, and includes partially protected locations.

Wet Location – A location in which water may drip, splash, or flow on or against electrical equipment. A wet location fixture is constructed so that water cannot enter or accumulate in the wireway, lampholders or other electrical parts. Wet location does not mean *hosedown*. A rating for low-pressure (100psi) or high-pressure (200psi) hosedown is an additional option.

Hazardous Areas

Hazardous areas are locations where atmospheres may be exposed to the release of flammable dusts, vapors or gases in explosive concentrations. The National Electrical Code requires that these areas be classified and sets rules for the types of luminaires that may be installed in them. Luminaires are typed in Article 500 of the NEC as Class I, Class II and Class III locations. All electrical equipment must be tested and listed (or approved) by class, division and group for use in each respective area. The hazardous materials defined in each of these classifications are: Class I, Flammable gases or vapors; Class II, Combustible dust and Class III, Combustible fibers or flyings. Each class is subdivided into two divisions depending on the likelihood that the hazard will be present. Division 1 applies to an area where the hazardous condition would normally exist, while Division 2 applies to an area where there is a potential for the hazardous condition to exist.

Each classification also is subdivided by groups representing the types of gas or dust that will or might be present. Gases fall into Groups A, B, C or D. Dusts fall into Groups E, F or G. There is no group subdivision for fibers or flyings.

Environmental Constraints

Lighting equipment must be chosen from the listing for the class, group and division of the hazardous material present in the areas where they are to be used. Improper application of a luminaire can result in fire or explosion, which could cause serious injury or death to the occupants. Classification of these areas within a plant must be made prior to selection of the light source and luminaire type.

Class	Division	Group
I Gas	1. Area where gases or vapors are normally present 2. Area where gases or vapors are handled or stored but are normally confined	A. Acetylene B. Hydrogen C. Ethyl ether etc. D. Gasoline, natural gas etc.
II Dust	1. Area where combustible dust is always present 2. Area where combustible dust may be present	E. Metal dust F. Carbon black, coal dust etc. G. Flour or grain
III Fibers	1. Production areas 2. Handling or storage areas	Atmospheres containing wood, textile or synthetic fibers

Food Processing

Sanitation is a critical part of the food processing industry. Because of this, a thorough cleaning and sanitizing program must be incorporated into the food production process. High-pressure wash-down with hot water and/or sanitation chemicals may approach 1000-psi nozzle pressure. Lighting fixtures must be designed and manufactured so as not to leak, corrode, harbor bacteria, or cause fires or electrical problems. Lamps must be protected so if they break, glass or other materials shall not contaminate the food production area.

The National Sanitation Foundation (NSF) is a not-for-profit, independent, third-party certifier of products and systems for conformity with consensus and official regulations and specifications, industry standards, and product-specific test protocols. NSF requires that all materials, which could come in contact with food products, meet the stringent requirements of the Federal Food, Drug, and Cosmetic Act (FDA). In order to determine its suitability for use in food processing and food handling areas, the equipment and the manufacturer must pass a stringent series of tests. NSF performs all tests in their own laboratories.

Lighting equipment falls under the NSF C-2 listing procedure (Special Equipment and/or devices). The C-2 procedure has protocols that analyze the physical design of, the specific properties of each substance used in the manufacture of, and the fabrication of the fixture. In addition, NSF investigates the reliability of the manufacturer and the manufacturing process as it relates to the listed product.

There are three certifiable locations for equipment used in food processing.: Non-food Zone, Splash Zone and Food Zone. Only the first two are applicable to lighting fixtures. These zones are defined in the following NSF table:

NSF Certification	Description Of Location/Use and Commentary	Typical Lighting Applications
Non-Food Zone	Areas where direct contact with food products during normal operations would not be expected. Equipment is located outside the normal wash-down area. There is a concern that the fixture will add contamination to the protected space or food product (i.e. cleanability – will the finish withstand cleaning, chipping paint, deteriorating paints or finishes, lens impact resistance, lamp glass breakage, etc.)	Kitchens; food storage; dry process areas; damp process areas – no drip possibility.
Splash Zone	Areas where direct contact with food products during normal operations would not be expected; however, the fixture may be situated such that liquids used in the processing or cleaning procedures, may splash, spill or otherwise soil – either intentionally or inadvertently – the surface of the fixture. Then there is the potential for dripping or draining onto other surfaces or even the process. Since these fixtures often are used in wash-down areas, a wet-location listing is not sufficient. Fixtures must be tested to withstand high-pressure hose wash-down. The concerns of non-food zone also apply.	Wet or damp process areas; high pressure purging or decontamination used in the process; area using hose wash-down.
Food Zone	Areas where direct contact with food products is normally expected and surfaces from which the food may drip, drain, or splash back onto surfaces normally in contact with food. Equipment other than lighting fixtures typically require this certification (i.e. work tables, cutting boards, other direct contact equipment).	Category not typically used for lighting.

Cleanrooms

A cleanroom is a room in which the concentration of airborne particles is controlled to specified limits. These particles can be in the form of dust, spores, vapors, skin flakes, hair fragments etc. If present in a sensitive environment, they can destroy or severely alter products being manufactured. To keep contamination to a minimum, a cleanroom must be designed and constructed according to very strict guidelines, and the lighting fixtures selected need to maintain the integrity of the space.

Cleanrooms are classified according to the number and size of particles found in a given cubic measure of space. Particle limits are set forth by Federal Standard 209E and, more recently, by ISO standards 14644-1 and 14644-2. Because these ISO standards are international in scope and are directly impacted by ISO 9000 and ISO 14000 certification criteria, they often are accepted as replacing Federal Standard 209E classes. Both of these standards refer to the maximum allowable number of particles of a given diameter per cubic area of measure, but differ in describing both the size particle and the area of concentration. Also different under each system are procedures for testing and measuring these environments, both initially and for ongoing conformance.

In order to achieve a Class 1 or Class 10 (Federal Standard 209E) or ISO Class 3 or Class 4 level, laminar airflow design is incorporated into the cleanroom. Laminar airflow moves all air in a vertical or a horizontal pattern through the space. With vertical airflow, the entire ceiling system consists of high-efficiency particulate air (HEPA) filters or ultra-low penetration air (ULPA) filters, which screen out 99.995% and 99.999% of the particles respectively. All incoming purified air moves in a vertical pattern through the ceiling, down to a raised, ducted floor, and back up through the outer walls. With horizontal laminar flow, the same principle is used with a horizontal pattern and filtered walls.

As the process in the cleanroom becomes less critical, greater quantities of particles may be present in the air without causing problems in the manufacturing process. Thus, the class of the cleanroom may be higher. Federal Standard 209E will determine the class of cleanroom required for the activity to be performed.

Federal Standard 209E

Airborne particle size/limits											
Cleanroom Class		0.1 microns		0.2 microns		0.3 microns		0.5 microns		5.0 microns	
English	SI	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)
1	M1.5	35	1,240	7.5	265	3	106	1	35	–	
10	M2.5	350	12,400	75	2,650	30	1,060	10	353	–	
100	M3.5	–		750	26,500	300	10,600	100	3,530	–	
1,000	M4.5	–		–		–		1,000	35,300	7	247
10,000	M5.5	–		–		–		10,000	353,000	70	2,470
100,000	M6.5	–		–		–		100,000	3,530,000	700	24,700

ISO Classification Chart – Selected ISO airborne particulate cleanliness classes for cleanrooms and clean zones

Maximum concentration limits (particles/m^3 of air) for particles equal to and larger than the considered sizes below						
Classification number	0.1 microns	0.2 microns	0.3 microns	0.5 microns	1.0 microns	5.0 microns
ISO 1	10	2	–	–	–	–
ISO 2	100	24	10	4	–	–
ISO 3	1,000	237	102	35	8	–
ISO 4	10,000	2,370	1,020	352	83	–
ISO 5	100,000	23,700	10,200	3,520	832	29
ISO 6	1,000,000	237,000	102,000	35,200	8,320	293
ISO 7	–	–	–	352,000	83,200	2,930
ISO 8	–	–	–	3,520,000	832,000	29,300
ISO 9	–	–	–	35,200,000	8,320,000	293,000

Acrylic reflectors, refractors or lenses should not be used in any location where they will be exposed to environmental contaminants that may diminish their integrity. Many chemicals can be vaporized and attack the acrylic as an airborne contaminant. Exposure of Acrylic (PMMA – Polymethylmethacrylate) materials to certain chemicals can cause deterioration of the material, which may lead to discoloration, crazing, cracking and mechanical failure. Products with visually noticeable deterioration have diminished integrity and must be replaced immediately. Acrylic products should not be used in any application where they will be exposed directly or indirectly to compounds identified as "Not Recommended". This chart identifies the most common chemicals and is not intended to be all-inclusive. Prolonged exposure to compounds identified, as "Not Recommended" will void any warranty associated with the product. Consult factory for compatibility of compounds not identified.

Acceptable

2-Ethylhexyl Sebacate
Acetic Acid, 5%
Ammonia-based Cleaners
Ammonia Gas
Ammonium Hydroxide, 28%
Ammonium Nitrate
Ammonium Phosphate
Aniseed, Bay leaves, Nutmeg
Anti-freeze
Beer
Bleaching Powder Paste
Bleaching Powder Solution, 2%
Calcium Hypochlorite
Car Wash Detergent
Carbon Dioxide Gas
Carbon Monoxide Gas
Caustic Potash
Chlorine Based Cleaners
Chlorine, Aqueous, 2%
Citric Acid, 10%
Coffee
Cooking Oil
Cottonseed Oil
Diethylene Glycol
Epoxy Adhesives
Ethyl Alcohol, 15%
Ethylene Glycol E
Ethylene Oxide (Dry)
Ferric Chloride, Aqueous, 10%
Formaldehyde, Aqueous, 40%
Fruit Juice
Glycerol
Heptane
Hexane
Hydrochloric Acid, 38%
Kerosene
Lactic Acid
Metal Carbonates
Metal Chlorides
Metal Sulfates
Methane gas
Milk
Milk, Chocolate
Motor Fuel Mixture, without Benzene
Motor Oil
Natural Gas
Nitric Acid, 10%
Nitrogen Dioxide Gas
Nitrogen Monoxide Gas
Olefric Carbolic Acids
Oleic Acid
Olive Oil
Oxalic Acid, 100%
Oxygen Gas
Ozone Gas
Paraffin, Medicinal
Pepper, Cinnamon, Onions
Phosphoric Acid, 10% @ 20C
Photographic Baths
Polishing Compounds
Potassium Chlorate
Potassium Cyanide
Potassium Dichromate, 10%
Potassium Hydroxide @ 20C
Potassium Permanganate
Potassium Sulfite
Power Steering Fluid
Propylene
Pure-oil Paints
Silicone Oil
Silver Nitrate
Soap Suds
Soda
Sodium Chloride, 10%
Sodium Cyanide
Sodium Fluoride
Sodium Hydroxide, 60%
Sodium Nitrate
Sodium Thiosulphate, 40%
Stearic Acid
Sulfur Dioxide, Dry Gas
Sulfuric Acid, 30%
Sulfurous Acid, 5%
Tararic Acid, 50%
Transmission Fluid
Tricresyl Phosphate
Triethyl Amine
Vinegar
Water, Mineral Water
Wax Polish
White Spirit
Whitewash
Wine

Rating is based on visual appearance at ambient temperature 68°F, 50% humidity.
Consult factory where applicable.
All technical information is believed to be accurate as of May 5, 2005.

Not Recommended

Acetandehyde, 100%
Acetates
Acetic Acid, Glacial, 100%
Acetic Anhydride
Acetone
Acetonitrile
Acetophenone
Acrylic paints
Alcohol, Allyl
Alcohol, Amyl
Alcohol, Benzyl
Alcohol, Ethyl, 100%
Alcohol, Ethyl, 50%
Alcohol, Isopropyl, 100%
Alcohol, Methyl, 10%
Alcohol, Methyl, 100%
Alcohol, Methyl, 50%
Alcohol, n-butyl
Amyl Acetate
Aniline
Aviation Fuel (100 Octane)
Bathroom Cleaners
Benzaldehyde
Benzene
Benzoic Aldehyde
Brake Fluid
Bromine Gas
Butanol
Butraldehyde
Butyl Acetyl Ricinoleate
Butyl Stearate
Carbolic Acid
Carbon Disulfide
Carbon Disultide
Cellulose Paints
Chlorinated Hydrocarbons
Chlorinated Solvents
Chlorine Gas
Chlorophenol
Chromic Acid, 40%
Cloves
Coffee
Cosmoline Removers
Cresol
Cyclohexane
Cyclohexanone
Cyclohexene
Detergent Solution
Diacetone Alcohol
Diamyl Phthalate
Dibutyl Sebacate
Diethyl Ether
Dimethyl Formamide
Dioctyl Sebacate
Dioxane
Ether
Ethyl Acetate
Ethyl Alcohol, Concentrated
Ethyl Bromide
Ethyl Butyrate
Ethylene Bromide
Ethylene Dibromide
Ethylene Oxide (Moist)
Glass Cleaners
Glycol
Hydrogen Peroxide, 28%
Hydrogen Peroxide, 3%
Iron Perchloride
Isoctane
Isopropyl alcohol
Lacquer Thinner
Lactic Acid Butyl Ester
Mercury Chloride
Meta-Cresol
Methanol, 15%
Methanol, Concentrated
Methyl Benzoate
Methyl Chloride
Methyl Cycohexanol
Methyl Ethyl Ketone
Methyl Naphthalene
Methyl Salicyclate
Methylamine
Methylene Dichloride
Mineral Oil
Motor Fuel Mixture, with Benzene
Nail Polish
Naphtha
n-butyric Acid, 100%
Nitric Acid, 40%
Nitric Acid, 70%
Nitrobenzene
n-Octane
Paint Removers
Paint Thinner
Perchlorethylene
Petroleum Ether (100-120C)
Phenois
Phenol, Aqueous, 5%
Phosphoric Acid, 95% @ 20C
Phthalates
Pyridine
Soap Solution
Sodium Carbonate, 2%
Sodium Carbonate, 20%
Sodium Phosphate
Sulfur Dioxide, Liquid
Sulfuric Acid, 98%
Sulfurous Acid, Concentrated
Tea
Tincture of Iodine, 5%
Toluene
Transformer Oil
Trichloraethane
Trichloroacetic Acid
Trichloroethylene
Turpentine
Unleaded Gasoline
Vegetable Oil
Xylene

Index

A Gotham downlights 232
A1 low bay opticals 365
A12 #12 pattern acrylic lens 108
A12 low bay opticals 375
A121 low bay opticals 375-376
A1210B low bay opticals 375
A125 low bay opticals 375-376
A1250B low bay opticals 375
A14 aluminum high bay opticals 368-369
A15 high bay opticals 366-367
A16 high bay opticals 364-365
A16GL high bay opticals 364-365
A162 low bay opticals 375-376
A1620B low bay opticals 375
A165 low bay opticals 375-376
A1650B low bay opticals 375
A17 aluminum high bay opticals 362
A19 #19 pattern acrylic lenses 108
A20 low bay opticals 370
A22 aluminum high bay opticals 362
A23 low bay opticals 372-373
A26 low bay opticals 370
A30 low bay opticals 371
A30F acrylic low bay opticals 374
AC power systems 452-453
Accent, border and step lighting, Hydrel 592
Accessories, decorative lighting 201
Accessories, emergency units 451
Accessories, exits 431
Accessories, fluorescent 106-117
Accessories, G Series 379
Accessories, Gotham downlighting 270
Accessories, Hydrel floodlighting 609
Accessories, Hydrel in-grade lighting 617
Accessories, Hydrel underwater lighting 649-651
Accessories, indoor HID 386-397
Accessories, Lithonia Downlighting 295
Accessories, Lithonia Recessed 321
Accessories, outdoor lighting 540-547
Accessories, rough service 418-419
Accessories, track 340-345
Acorn mini pendant 183
Acrylume acrylic high bay 358-361,374
ACS air closure strips, fluorescent 111
AEM *Peerlite Aero* suspensed fluorescent 171
Aeris outdoor area lighting 470
Aero, Peerlite suspended fluorescent 171
AF Gotham downlights 210, 212, 214
AF turret industrials, fluorescent 86
Affinity emergency units 432
Affinity lamp head performance 459
AFN *Affinity* emergency units 432
AFP heavy-duty industrials, fluorescent 87
AFV Gotham downlights 208
AFVW Gotham downlights 209
AFW Gotham downlights 211, 213
AFZ/AFZW Gotham downlights 215
AH Gotham downlights 224
AHW Gotham downlights 225
AHZ Gotham downlights 226
Air closure strips, fluorescent 111
Air-handling options, fluorescent 111
Air pattern control blades, fluorescent 111
All-conditions exits 425
All-purpose wall brackets, fluorescent 68
Aluminum poles 554-560
Antique Street Lamps 580-591
APB air patterm control blades, fluorescent 111
APR Gotham downlights 235
APRLV Gotham downlights 246
APRH Gotham downlights 227
Architectural and landscape lighting, Hydrel 592-651
Architectural colors, outdoor lighting 543
Architectural contoured diffusers 194
Architectural rough service lighting 400-403
Area lighting, outdoor 470-485
AS *Aeris* outdoor area lighting 472
ASB Architectural bollards 499
ASF *Aeris* architectural floodlights 522
AST *Aeris* suspended outdoor area lighting 473
ASW *Aeris* building mounted 504
AV *Avante* recessed, 1x2, 1x4, 2x2, 2x4 26-36
Avante direct/indirect lighting 26-36
Avante sconces 36
AVSM *Avante* surface/suspended 34
AV SMD *Avante,* side-mount diffuser 30
AVSC *Avante* cylinder sconces 36
AVSP *Avante* perforated shield sconces 36
AVSR *Avante* recessed sconces 36
AW Architectural wraparounds, fluorescent 56
AW Gotham downlights 233
AZ/AZW Gotham downlights 234

Ballast characteristics 707
Ballast data 713, 716-719
Ballast housings, indoor HID 350-352
Ballast options, fluorescent 115
Ballast options, indoor HID 384
Ballast testing, fluorescent magnetic 711
Ballast testing, high intesity discharge 722
Ballasts, fluorescent electronic (GEB) 709
Ballasts, fluorescent magnetic 710
Batteries, replacement, emergency units 451
Batteries, replacement, exits 431
Battery packs, *Power Sentry* 434-436
BLSP track heads 329
Bollards 499-502
Briteway emergency lighting unit 428
BWU Briteway emergency unit 428
Building-mounted lighting, Hydrel 592
Building-mounted lighting, Lithonia 504-517

C Gotham cylinders 259-260
C general-purpose channels, fluorescent 81
CA corridor acrylic wraparounds, fluorescent 57
CA Gotham cylinders 261-262
CAL Gotham cylinders 263
Cable extenders, Reloc 699
Cambridge decorative ceiling-mount 189
Candéo downlight, Gotham 221
Canopy lighting, outdoor 521
CB corridor wraparounds, fluorescent 59
CC Gotham cylinders 264
CCH track heads 326
CCR62 compact fluorescent downlight 284
CCR82 compact fluorescent downlight 278
CD circuit distributors, Reloc 698
CDA8 *Cerra Direct Accents,* angle-mount 170
CDS remote lamp heads, designer square 449
CDW8 *Cerra Direct Accents,* wall-mount 170
CE cable extenders, Reloc 699
Ceiling Compatibility, fluorescent options 107

Cerra 7 suspended fluorescent 160
Cerra 10 suspended fluorescent 161
Cerra Baffle suspended fluorescent 166
Cerra Baffle Wall suspended fluorescent 167
Cerra decorative accessories 164
Cerra Direct Diffused suspended/surface mount 169
Cerra ID suspended fluorescent 162
Cerra Lightvent suspended fluorescent 163
Cerra Wall suspended fluorescent 165
CF Gotham cylinders 256
CFL Gotham cylinders 258
CFV Gotham cylinders 254
CFVL Gotham cylinders 255
CFWW track heads 327
CFZ Gotham cylinders 257
Chain hangers, fluorescent 117
Channels, fluorescent 81-82
CHE roadway lighting 490
CHL/CHLD roadway lighting 491
CHM/CHMD roadway lighting 492
CHX roadway lighting 493
Circuit diagrams, HID 722
Circuit distributors, Reloc 698
Circuit selector units, Reloc 700
Cirrus decorative ceiling-mount 187
CKP62 master/remote downlight housing 318
CL decorative ceiling-mount 191
Classmate wraparounds, fluorescent 62
Cleanroom environments 734
Cleanroom lighting, fluorescent 94-99
CLM *Classmate* wraparounds, fluorescent 62
CNAT narrow aperture troffers 39
Coffered ceiling systems, fluorescent 55
Commercial wall brackets, fluorescent 67, 71
Commercial wiring systems 684-689
Commercial wraparounds, fluorescent 56
Compact fluorescent ballast data 713
Compact fluorescent downlighting, Gotham 208
Compact fluorescent lamp/ballast data 712-713
Compact fluorescent lamps, ordering 712
Complete downlight remodelers 313
Concrete poles 573-574
Contemporary wall brackets, fluorescent 70
Contour area lighting 476-477
Contour building-mounted lighting 512-513
Contour canopy lighting 521
Contour floodlighting 524-527
Control systems, *KiloWatch* 381-383
Control systems, Lithonia Lighting 652-681
Cordsets, fluorescent 116
Corridor wraparounds, fluorescent 57, 59, 61
Cosmos ceiling mount 182
CRM8 *Cerra Baffle* suspended fluorescent 166
CRR Recessed row lighting 83
CRRS Recessed row lighting, shallow 83
CRW *Cerra Wall* suspended fluorescent 165, 167
CS cordsets, fluorescent 116
CS corridor wraparounds, fluorescent 61
CSU circuit selector units, Reloc 700
Custom signage, emergency 430
Cutoff classifications 725
CW cold-weather ballasts, fluorescent 115
CWU Gotham cylinders 265
Cylinders, compact fluorescent, Gotham 256-258
D self-luminous exits 429
Daylighting control systems 660-661
DB distribution boxes, Reloc 702
DC drop cables, Reloc 701
DC option, emergency 467
Decorative fluorescent lighting 178
Decorative post-tops, outdoor 484-485
Decorative shades, indoor HID 393
DEQ APS analog photosensors 661
DEQ LC *Digital Equinox* load controllers 661
Design considerations 723-735
Design guidelines, floodlighting 550-551
Designer acrylic ceiling-mount 191
Designer Series decorative ceiling-mount 190
DGA drywall grid adapters, fluorescent troffers 107
Digital Equinox load controllers 661
Dimming 663, 675-681
Dimming capacities and derating 678
Dimming guide, fluorescent 680
Distribution boxes, Reloc 702
Diveli ceiling mount 184
DLV accent downlights, Gotham 242-245
DLW accent downlights, Gotham 241
DLWF accent downlights, Gotham 216
DLWH accent downlights, Gotham 229
DM enclosed industrials, fiberglass 91
DMS enclosed industrials, steel 92
DMSW enclosed industrials, steel 92
DMW enclosed industrials, fiberglass 91
Door frames, fluorescent troffers 106-107
Downlighting, Gotham architectural 202
Downlighting combos, *Reloc* 684
DP accent downlights, Gotham 240
DPH HID accent downlights, Gotham 228
Drop cables, Reloc 701
DSA dock and trailer lighting 380
DSA FP dimmer wallplates 677
DSD wallbox dimmers 677
DSH24 double-stem hangers, fluorescent 117
DUP duplex receptacle 702
DuraBay glass high bay opticals 353-357
Dura-Steel decorative ceiling-mount 189
Dusk-to-dawn security lighting 496-497
E *Complete* downlight remodelers 313
E13 low bay opticals 377
E17 aluminum high bay opticals 381, 383
E22 aluminum high bay opticals 381, 383
EA *Eurotique* arms and wall brackets 590
EAC AC power systems 452-453
EC coffered ceiling systems 55
EC *Eurotique Copenhagen* luminaires 589
EDG edge-lit exits 423
Edge-lit exits 422-423
EIS radio interference filters, fluorescent 116
EIS/EFS *Tough Task* industrials, fluorescent 93
EFT *Tough Task* cleanroom lighting, fluorescent 94
EH *Eurotique Hanover* luminaires 588
EJ general-purpose industrials, fluorescent 88
EJA general-purpose industrials, fluorescent 88
EJDA general-purpose industrials, fluorescent 88
EJS general-purpose industrials, fluorescent 88
EJSA general-purpose industrials, fluorescent 88
EL emergency battery pack options 116
ELA ZCD hazardous-location remotes 448
ELA ZX explosion-proof emergency units 447
ELCC contemporary emergency units 441

Index

ELDW, ELDWR integral battery pack 467
Electronic ballasts, fluorescent (GEB) 709
ELM *Quantum* emergency units 438
ELM2 *Quantum* emergency units 438
ELM618 *Quantum* emergency units 439
ELM627 *Quantum* emergency units 439
ELM654 *Quantum* emergency units 439
ELM1254 *Quantum* emergency units 439
ELM1272 *Quantum* emergency units 439
ELR recessed emergency units 440
ELRG recessed emergency units 440
ELSQ square emergency units 441
ELT *Titan* emergency units 444
EM emergency battery pack options 116
EM *Eurotique Munich* luminaires 589
Emergency lighting units 438-449
Emergency systems, Lithonia 420
Enclosed industrials, fluorescent 91-93
Energy and environmental information 729
Envision cove light 156
Envision ID wall mount 154
Envision suspended indirect 153
Envision wall 155
Enzo suspended fluorescent 172
EP *Eurotique* poles 591
ESD general-purpose industrials, fluorescent 88
Eurotique arms and wall brackets 590
Eurotique luminaires 586-589
Eurotique poles 591
Exit accessories 431
Exit batteries, replacement 431
Exit options 431
Exit signs 422-430
Explosion-proof emergency units 447
Explosion-proof remotes 447
External fuses, fluorescent 115
Extreme all-conditions exits 425
EZM *Enzo* suspended fluorescent 172

FAL fluorescent aisle lighter 77
FFB commercial high bay, SpecLight 122
FGB commercial high bay, SpecLight 120
FHI commercial high bay, SpecLight 125
FIA commercial high bay, SpecLight 124
FIB commercial high bay, SpecLight 121
FIL commercial high bay, SpecLight 121
Fiberglass poles 570-572
Finesse undercabinet lights 64
Finishes, indoor HID 396
Finishes, outdoor lighting 543
Fire-rated option, fluorescent 115
Floodlighting, Hydrel 592
Floodlighting, Lithonia Lighting 522-535
Floodlighting design guidelines 550
Flood mounting options, Hydrel 610
FLTB track heads 328, 333, 335
FLTY track heads 333
Fluorescent aisle lighter, FAL 77
Fluorescent architectural lighting 26
Fluorescent battery packs 434-436
Fluorescent cleanroom lighting 94-99
Fluorescent combos, *Reloc* 684
Fluorescent dimming guide 680
Fluorescent downlighting 210, 274, 314
Fluorescent electronic ballasts (GEB) 709
Fluorescent high bay lighting 72-75
Fluorescent industrials 86-93
Fluorescent parabolics 40
Fluorescent strips 80
Fluorescent surface commercials 52-54
Fluorescent surface/suspended lighting 76-79
Fluorescent troffers 48
Fluorescent undercabinet lights 64-65
Fluorescent wall brackets 81, 194
Fluorescent wraparounds 56,192
FM flush aluminum frames, fluorescent 107
FN flush aluminum frames, fluorescent 107
Food processing environments 733
Fountain and underwater lighting 592
FP filler pans, fluorescent troffers 107
FPG parking garage light, SpecLight 126
FPI premium industrials, SpecLight 123
FR fire-rated option, fluorescent 115
FRA recessed indirect, SpecLight 127
FRC recessed indirect, SpecLight 127
FRS recessed indirect, SpecLight 127
FSB fluorescent high bay, *SPEC-BEAM* 75
FSSA dock and trailer lighting 380
FTS commercial high bay, SpecLight 125
Fusing, fluorescent 115
FW flush aluminum frames, fluorescent 107

G Series options and accessories 379
G2 Block architectural site lighting, hydrel 597
G2 Edge architectural site lighting, hydrel 598
G2 Louver Bollard architectural site lighting, hydrel .. 600
G2V, G3V recesssed squares, HID 379
G2 Xtend architectural site lighting, hydrel 599
Gateway rough service lighting 400-403
GEB electronic ballasts, fluorescent 709
GLPR track heads 330
GLR internal fast-blow fuses 115
GLRX external fast-blow fuses 115
GMBR track heads 330, 334
GMF internal slow-blow fuses 115
GMFX external slow-blow fuses 115
Gotham Architectural Downlighting 202
GP/GPV recessed squares, parabolic 378
GQ Ellipsoidal reflector 236
GQT Ellipsoidal tilt reflector 237
GS recessed squares, round reflector 378
GT8 fluorescent T8 troffers 51
GWO decorative ceiling-mount 190

Halogen cabinet lighting 197
Hanover series 589
Hazardous environments 732-733
Hazardous-location emergency units 446
Hazardous-location exits 446
Hazardous-location exit/unit combos 446
Hazardous-location floodlighting 534-535
Hazardous-location remotes 448
HC chain hangers, fluorescent 117
HCM5 *HOT-5* covelights 175
Heavy-duty industrials, fluorescent 87
HFA hazardous-location floodlighting 534
HFL hazardous-location floodlighting 534
HFM hazardous-location floodlighting 535
HFR hazardous-location floodlighting 535
HID ballast testing 722
HID downlighting 224-227, 286-287
HID lamp/ballast data 714-722

HID optical selection guide 349
High-performance floodlighting 531-533
High pressure sodium ballast data 716, 720
Historical Luminaires 584
Historical Posts and Arms 585
Hi-Tek aluminum high bay 362-369
Hi-Tek aluminum low bay 370-375
Hooker hangers 117
HOT-5 covelights, fluorescent 175
HP3 site lighting, Hydrel 611
HP4 site lighting, Hydrel 612
HPM3 *Paramax* high-performance 1x4 47
HRC *Hooker* hangers 117
HRD heat-removal dampers, fluorescent 111
HRUN *Hooker* hangers 117
HTC snap-on clips, fluorescent 115
Hydrel Architectural and Landscape Lighting 592-651

IB *I-BEAM* fluorescent high bay 74
I-BEAM fluorescent high bay lighting 74
ICE Blade downlights, Gotham 222
ICE Turbo downlights, Gotham 223
Illunic ceiling mount 184
Incandescent downlighting 232, 288, 298
IND *Indura* emergency units 442
IND *Indura* remote lamp heads 449
INDX *Indura, NEMA4X* emergency units 443
Indoor HID Lighting 346
Indura emergency units 442-443
Industrial emergency units 442-444
Industrial wiring systems 690-694
Industrials, fluorescent 86-93
In-grade lighting 614
Ingress protection 732
Injection-molded wraparounds, fluorescent 63
Installation guide, Peerless 176-177
IntegraSeal cleanroom lighting 96-99
Internal fusing, fluorescent 115
ISD DPC dimming photosensors 679
ISD wallbox dimmers 678

JP Job Pack option, fluorescent 116

KAC *Contour* outdoor area lighting 476
KACM *Contour* canopy lighting 521
KAD *Contour* outdoor area lighting 476
KADT *Contour* outdoor area lighting 477
KAR outdoor area lighting 482
KBA round bollards 502
KBC round bollards 500
KBD round bollards 502
KBE square bollards 501
KBR round bollards 500
KBS square bollards 501
KDC1 roadway lighting 488
KDC2 roadway lighting 488
KFL floodlighting 523
KiloWatch control systems 382
KiloWatch II control systems 381
KKR outdoor area lighting 483
KKS outdoor area lighting 483
KL recessed low-mount floods 503
KML roadway lighting 486
KP2 roadway lighting 487
KPS parking garage lighting 520
KRP roadway lighting 487
KRX roadway lighting 487
KSE outdoor area lighting 474
KSF *Spec-Form* outdoor area lighting 475
KT1 roadway lighting 486
KVE outdoor area lighting 480
KVF outdoor area lighting 478
KVR outdoor area lighting 481
KVS outdoor area lighting 479
KW *KiloWatch* control systems 381-382

L standard industrials, fluorescent 89
L3 downlight housings 308
L3R downlight housings 309
L5 downlight housings 306
L5R downlight housings 307
LC6 downlight housings 298
LCP downlight housings 304
L7PR incandescent housing 305
L7X downlight housings 298
L7XF downlight housings 314
L7XF RECF compact fluoresccent housings 316
L7XP downlight housings 304
L7XR downlight housings 300
LA Gotham downlights 239
LA standard industrials, fluorescent 89
Labor-Saving Tandem troffers 110
LAF Gotham downlights 217
LAH Gotham downlights 231
Lamp and ballast suppliers, technical support 706
Lamp compatibility, emergency 450
Lamp heads, remote emergency 449
Lamp information, Gotham 266
Lamp information, Lithonia Recessed 323
Lamps and Ballasts 706-722
LATC t-bar safety clips, fluorescent 115
LB low-profile wraparounds, fluorescent 58
LC6 downlight housings 298
LC6 MRI vertical incandescent housing 290
LCP downlight housings 304
LD6 peerless 157
LD9 peerless 158
LE *Signature* aluminum exits 424
Lensed squares, recessed 320
Lensed troffers, fluorescent 48-51
Lenses, optional, for troffers 106, 108
LER – luminaire efficacy rating 724
LF6 downlight frame-ins 279-280
LF8 downlight frame-ins 274-276
LG/LGZ Gotham downlights 238
LGF Gotham downlights 218
LGFV Gotham downlights 219
LGH/LGHZ Gotham downlights 230
LHQM *Quantum* exit/unit combos 427
LI3 downlight housings 308
LI6 downlight housings 302
LI6F compact fluorescent housings 282
LI6F RECF compact fluorescent housings 317
LIF6 compact fluorescent downlight 281
Lightduct 151
Lightduct Wall 152
Lightedge Angular 139-140
Lightedge Curved 141-142
Lightedge Curved and Angular Wall ID 145
Lightedge Curved ID 144
Lightedge ID 143
Lightedge Rectangular 146-147

Index

Lightfin 149
Lightfin Wall 150
Lightfoil 132-133
Lightline Asymmetric 136
Lightline Suspended 137
Lightline Symmetric Recessed 135
Lightline Wall Wash 134
Lightline Wall Wash suspended indirect 137
Lightedge suspended indirect 139
Lighting calculations 730
Lighting Control Systems 652-681
Lighting terminology 724
Lily mini pendant 183
Linear fluorescent lamp/ballast data 708-711
Linear fluorescent rough service lighting 412-416
LIRC occupancy sensors 672
LIRO H occupancy sensors 673
LIRW occupancy sensors 674
Litepuff decorative ceiling-mount 187
Litepuff decorative wall-mount 193
Litronic occupancy sensors 672-674
LIV3 downlight housings 311
LMTH occupancy sensors 672
LMTO H occupancy sensors 673
Louver guards, indoor HID 392-393
Louvers, optional, for troffers 106, 108
Low-mount floods, recessed 503
Low Profile decorative surface-mount 186
Low-profile T5 direct, fluorescent 78-79
Low-profile wraparounds, fluorescent 58
Low voltage downlighting 242, 292, 310
LP lamps furnished and installed, fluorescent 116
LP3V downlight housings 293
LP6 downlight frame-ins 289
LP6F downlight frame-ins 283
LP6H downlight frame-ins 287
LP8 downlight frame-ins 288
LP8F downlight frame-ins 277
LP8H downlight frame-ins 286
LPCS power control stations 674
LPHR track heads 326, 332, 336
LPJ downlight frame-ins 291
LQJ downlight frame-ins 285
LQM *Quantum* thermoplastic exits 426
LRE *Signature* aluminum exits 424
LRP *Precise* edge-lit exits 422
LS7/LS9 downlight housings 320
LSA APS analog photosensors 670
LSF7/LSF9 downlight housings 320
LST Labor-Saving Tandem troffers 110
LT2 two-circuit track 337
LT4 two-circuit track 337
LT8 two-circuit track 337
LT12 two-circuit track 337
LTC track lighting 328-334
LTD track lighting 326-327
LTE track lighting 335-336
Lumen method of calculation 730
Luminaire efficacy rating 729
LUSO H occupancy sensors 673
LVMS WPM low voltage momentary switches 662
LVDS DSA FP low voltage momentary switches 662
LV downlight frame-ins 292
LV *Extreme* all-conditions exits 425
LV3 downlight housings 310
LV3R downlight housings 312
LVRS low voltage remote stations 671
LX *Titan* steel exits 429
LHZ hazardous-location exit/unit combos 446
LZ hazardous-location exits 446

M modular fluorescent commercials 54
M4534 landscape lighting, Hydrel 635
M9400 in-grade lighting, Hydrel 615
M9450, M9460 landscape lighting, Hydrel 637
M9700 in-grade lighting, Hydrel 616
Magnetic ballast testing, fluorescent 711
Medical wall brackets, fluorescent 71
Meloe ceiling mount 182
Mercury vapor ballast data 719
Metal halide ballast data 717-718, 721
Metro decorative surface/suspended 188
Mirage indirect/direct fluorescent 148
Mounting brackets, poles 578-579
Mounting options, Hydrel 639-643
Mounting options, indoor HID 388-392
MP molded acrylic ceiling-mount 191
MR24 lamp head performance 457-458
MR24 remote lamp heads 449
MSE180 FK motion activated security lighting 536
MSP270 FK motion activated security lighting 537
MSQ240 FK motion activated security lighting 536
MS5 low-profile T5 direct, fluorescent 78-79
MS5HB fluorescent high bay 76
MS5SS low-profile T5 direct, staggered 79
MS8 fluorescent high bay 76
MT remote lamp heads, metal PAR36 449
Munich series 589
N2S *Finesse* undercabinet lights 64
NAT narrow aperture troffers 39
National Electrical Code 704-705
Nighttime friendly lighting, outdoor 548-549
Nighttime friendly luminaires 584
NFPA Life Safety Code requirements 462-464
NX remote lamp head, gasketed PAR36 449

OC *OnePass* converters 691
OC2 *OnePass* cables, 2-port 692
Occupancy sensors 672-674
OCS *OnePass* circuit selectors 690
OCU *OnePass* cord unselectable 693
OD *OnePass* drop cables 693
OnePass 1-2-3 bill of materials guide 694
OnePass cables, 2-port 692
OnePass circuit selectors 690
OnePass converters 691
OnePass cord unselectable 693
OnePass drop cables 693
OnePass industrial wiring systems 690-694
OnePass layout guide 694
OnePass splitter splice 692
OnePass starter cables, 2-port 691
Optic-specific HID ballast housings, overview 351
Optimax Light Control System 40
Optional architectural colors, indoor HID 396
Optional finishes, indoor HID 396
Options, *Avante* direct/indirect 31
Options, decorative lighting 201
Options, exits 431
Options, fluorescent commercials 112
Options, fluorescent strips and industrials 113
Options, fluorescent troffers 106

Options, general area squares 379
Options, Gotham downlighting 266-269
Options, indoor HID 386-391, 394-397
Options, outdoor lighting 540-547
Options, Lithonia Downlighting 295
Options, Lithonia Recessed 321
Options, poles, Lithonia Lighting 578-579
Options, vanity wall brackets 201
Origami ceiling mount 185
OSC2 *OnePass* starter cables, 2-port 691
OSS *OnePass* splitter splice 692
Outdoor lighting 468

PA16 acrylic high bay opticals 358
PA22 acrylic high bay opticals 358-359
PA22C acrylic low bay opticals 361
PA22E acrylic high bay opticals 362
PA22GLE acrylic low bay opticals 360
PA22L acrylic low bay opticals 358
PA22N acrylic low bay opticals 358
PA22SP acrylic high bay opticals 358-359
PA25 acrylic high bay opticals 358
PA25ALE acrylic low bay opticals 360
PA25D acrylic low bay opticals 361
Packaging options, downlights 322
Packaging options, fluorescent 116
Parabolic industrials, fluorescent 90
Parallels recessed pendants 138
Paramax parabolic troffers 43
Parking garage lighting 518,520
PC1 parabolic plastic louvers 108
PC2 parabolic plastic louvers 108
PC3 parabolic plastic louvers 108
PDPA decorative downlight, Gotham 252
PDGF *Candéo* downlights, Gotham 221
PDPF decorative downlight, Gotham 248-250
PDPH decorative downlight, Gotham 251
PDTF *ICE Turbo* downlights, Gotham 223
PDXF *ICE Blade* downlights, Gotham 222
Peerless suspended architectural 160
Peerlite suspended lighting 160
Peerlite Aero suspended fluorescent 171
Perceiva fluorescent linear wallwash 37
Performance data, emergency 457-460
PF Plaster frames, fluorescent troffers 107
PG15 glass high bay opticals 353
PG16 glass high bay opticals 354
PG16A glass high bay opticals 355
PG16AGLE glass high bay opticals 357
PG16GLE glass high bay opticals 356
PG21 glass high bay opticals 354
PG21A glass high bay opticals 355
PG21AGLE glass high bay opticals 357
PG21GLE glass high bay opticals 356
PGR parking garage lighting 518
Photosensors 661
Plaster frames, fluorescent troffers 107
PLF 3-circuit plug-ins, fluorescent 114
Plug-ins, fluorescent 114
PM2 *Paramax*, 2" louvers 46
PM3 *Paramax*, 3" louvers 44
PM3X Surface-mounted *Paramax* 53
PM4 *Paramax*, 4" louvers 45
PMO *Optimax* Light Control System 41
PMOX Surface-mounted *Optimax* 52
Point method of calculation 730
Pole options 576
Pole orientation and drill mounting 577
Poles, Lithonia Lighting 552-579
Poles, ordering information 552
Poles, selection procedure 552
Power control stations 674
Power hooks, indoor HID 390
Power Sentry battery packs 434-436
Power Sentry lamp/ballast compatibility 437
Power tees, Reloc 701
Power wiring, Reloc 695-703
PP power pole 703
Precise edge-lit exits 422
Prewires, fluorescent 115
Prima suspended fluorescent 173-174
Pristine decorative ceiling-mount 181
PRM *Prima* suspended fluorescent 173
PRSD track heads 332
PS battery packs for linear fluorescents 434
PSD battery packs for fluorescent downlights 435
PT power tees, Reloc 701
Pulse start HID ballast options 384
PV parabolic industrials, fluorescent 90
PW prewires, fluorescent 115
PX rapid-ship posts 582

QC *Quick-Flex* converters 685
QD *Quick-Flex* drops 688
QE *Quick-Flex* extenders 686
QFC *Quick-Flex* fixture cables 685
QPT *Quick-Flex* power tees 686
QRS quartz restrike systems 387
QS *Quick-Flex* splitters 688
QSD *Quick-Flex* switch drops 687
QSFC *Quick-Flex* starter fixture cables 687
Quantum emergency units 438-439
Quantum thermoplastic exits 426-427
Quartz floodlighting 529
Quick-Flex 1-2-3- bill of materials guide 689
Quick-Flex commercial wiring systems 684-689
Quick-Flex converters 685
Quick-Flex drops 688
Quick-Flex extenders 686
Quick-Flex fixture cables 685
Quick-Flex layout guide 689
Quick-Flex power tees 686
Quick-Flex splitters 688
Quick-Flex starter fixture cables 687
Quick-Flex switch drops 687

Radio interference filters, fluorescent 116
Rapid-Ship luminaires 583
Rapid-Ship posts 582
RDM *remote* dimmer modules 676
Recessed emergency units 440
Recessed low-mount floods 503
Recessed perimeter lighting 37-38
REFL track heads 326
Reloc Wiring Systems 682-705
Remote lamp heads, emergency 449
Replacement batteries, emergency units 451
Replacement batteries, exits 431
RIF radio interference filters, fluorescent 116
Rigby ceiling mount 188
RM regressed aluminum frames, fluorescent 107
RN regressed aluminum frames, fluorescent 107

Index

RNDB track heads 328, 333, 335
RNDY track heads 333
Roadway lighting 486-495
Rough Service accessories 418
Rough Service Lighting 398
RP recessed perimeter lighting 38
RR recessed row lighting 83
RSA aluminum poles 565
RSAH aluminum poles 568
RSS steel poles 555
RT5 Volumetric Recessed Lighting 22
RT5X Volumetric Recessed Lighting 25
RTA aluminum poles 566
RTAU aluminum poles 567
RTF fiberglass poles 570
RTFDB fiberglass poles 571
RTS steel poles 557
RTSU steel poles 558
RW regressed aluminum frames, fluorescent 107

S standard striplights, fluorescent 80
Safety codes, emergency 461
SAL spring-loaded latches, fluorescent 116
Saturn decorative ceiling-mount 181
SB square-basket wraparounds 60
SC – spacing criterion 724
SCA, options and accessories 271
Sconces, decorative wall-mount 198-200
Security lighting, outdoor 496-498
Self-luminous exits 429
Sensing 672-674
Sequel IDC dimming systems 675-676
SH ballast housings, HID 352
SH A14 *Hi-Tek* aluminum high bay 369
SH A15 *Hi-Tek* aluminum high bay 367
SH A16 *Hi-Tek* aluminum high bay 365
SH PA22 *Acrylume* acrylic high bay 359
Sheffield decorative ceiling-mount 180
Sheffield decorative wall-mount 193
Side-mounted strips, fluorescent 84
Signage, custom, emergency 430
Signature aluminum exits 424
Site lighting, outdoor 499-503
SL1 damp location steplights 319
SL1F damp location steplights 319
SLL spring-loaded latches, fluorescent 116
SM side-mounted strips, fluorescent 84
Sockets, compact fluorescent 712
SP specification premium air-handling troffers 49
SP specification premium, small-cell louvers 49
SP8 specification premium T8 troffers 48
Spacing criterion 724
Spacing guidelines, battery packs 454
Spacing guidelines, *Indura* composite lamps 456
Spacing guidelines, sealed-beam lamps 455
SPAK *SwitchPak* lighting control panels 671
Special environments data 732-735
Specialty lighting 695-702
Specialty wiring 695
Special signage, emergency 430
Specification HID ballast housings, overview 350
SPEC-BEAM fluorescent high bay lighting 75
Spec-Form outdoor area lighting 475
SpecLight Specialty Fluorescent 118
SPG ballast housings, HID 352
SPG *DuraBay* glass high bay 353
Splitter splices, Reloc 700
Sportslighting 538-539
SPRTC concrete poles 574
SPRTC crossarms 575
SPRTS steel poles 560
SPRTS crossarms 561
SQCS *Sequel* control stations 657
SQIDC *Sequel IDC* dimming systems 675
SQMPDC *Sequel MiniPac* dimmer packs 676
SQRS remote control stations 675
Square Profile wraparounds 192
Square-basket wraparounds 60
SRH *IntegraSeal* cleanroom troffers 97
SRT *IntegraSeal* cleanroom troffers 96
SS splitter splices, Reloc 700
SS staggered strips, fluorescent 85
SSA aluminum poles 563
SSAH aluminum poles 569
SSB remote lamp heads, square 449
SSC standard selector cables, Reloc 698
SSCA aluminum poles 564
SSF fiberglass poles 572
SSH *IntegraSeal* cleanroom surface-mount 98
SSPL *SweepSwitch* local override switches 662
SSR reflective surface, fluorescent 108
SSS steel poles 554
SST telescoping staggered strips, fluorescent 85
ST switching tees, Reloc 699
Staggered strips, fluorescent 85
Standard selector cables, Reloc 698
STC concrete poles 573
Steel poles 554-560
STP *IntegraSeal* cleanroom surface-mount 99
STPC track heads 331, 336
Steel HID ballast housings, overview 352
Steel wall brackets, fluorescent 69
Steplights, damp location 319
Steplights, wet location 294
Striplights, fluorescent 80, 84-85
STS steel poles 556
STSH steel poles 559
Surface-mounted *Optimax* 52
Surface-mounted *Paramax* 53
SweepSwitch local override switches 662
Switching tees, Reloc 699
SwitchPak lighting control panels 671
Swivel-stem hangers, fluorescent 117
SWO decorative ceiling-mount 190
SX ballast housing, HID 352
SY *Synergy* lighting control systems 663
SYA network cable 670
SYA LCD *graphical LCD user interface* 657
SYBP18 *Synergy* breaker panels 669
SYBP30 *Synergy* breaker panels 669
SYBP42 *Synergy* breaker panels 669
SYE *Synergy* enclosures 664
SYEL *Synergy* lighting control system 663
SYELB *Synergy* lighting control system 663
SYEM *Synergy* lighting control system 663
SYEMB *Synergy* lighting control system 663
SYES *Synergy* lighting control system 663
SYESB *Synergy* lighting control system 663
SYPM 8H *Synergy* power modules 666
SYPM 8F *fluorescent dimmer power module* 667
SYPM 8R *Synergy* power modules 666
SYPM DALI *DALI fluorescent control power module* 666

SYPMB 6D *line voltage dimmer power module* 666
SYPMB MB_ML *tap feed modules* 668
SYPMB MB_NBAR *neutral bar and main breaker* 668
SYPMB ML *tap feed modules* 668
SYPMB MN *tap feed modules* 668
SYPMB NBAR *neutral bar and main breaker* 668
SYRS *Synergy* remote stations 658
SYRS EXT *dimming wallstation* 659
SYRS EXTDS *dual switch wallstation* 660
SYSC *Synergy* system controllers 665
SYSW CONFIG *system configuration software* 656
SYSW GRAPHIC *graphical interface software* 656
SX ballast housings, HID 352
SX A23 *Hi-Tek* aluminum low bay 373
Synergy lighting control systems 654-669
SYWR infrared transmitters 658

Tandem quick-connect, fluorescent 114
T-bar safety clips, fluorescent 115
TCF floodlighting 529
TCL decorative post-tops, outdoor 485
TDA security lighting 498
TDB dusk-to-dawn security lighting 497
TDC dusk-to-dawn security lighting 497
TDD dusk-to-dawn security lighting 496
TDL dusk-to-dawn security lighting 496
TDR offset direct roadway lighting 495
TDS2 medium wattage roadway lighting 489
TDS3 medium wattage roadway lighting 489
TDX security lighting 498
TE ballast housings, HID 351
TE *Hi-Tek* aluminum high bay 363
Technical and Design Considerations 723-735
Technical support, lamp and ballast suppliers 706
Telescoping staggered strips, fluorescent 85
Tenon slipfitters, outdoor 540
Terminology, lighting 724
TFA *Contour* floodlighting 524
TFL *Contour* floodlighting 525
TFM *Contour* floodlighting 527
TFR *Contour* floodlighting 526
TFS floodlighting 528
TG low bay shroud with lens 377
TGL/TGR low bay/ canopy lighting 376, 519
TH ballast housings, HID 350
TH tong hangers, fluorescent 117
TILWP tandem quick-connect, fluorescent 114
Titan emergency units 444
Titan steel exits 429
TMM *Set-Back roadway lighting* 494
Tong hangers, fluorescent 117
Tough Task cleanroom lighting, fluorescent 94
Tough Task industrials, fluorescent 93
TP tamper-resistant doors, fluorescent 116
TPA decorative post-tops, outdoor 484
TPG ballast housings, HID 351
TPG *DuraBay* glass high bay 354-355
TPGE ballast housings, HID 351
TPGE *DuraBay* glass high bay 356-357
TQ/TQE quartz floodlighting 529
Track configurations 338
Track connectors and accessories 340-345
Track lighting, Lithonia 324
Track sections 337
Troffers, fluorescent 48-51
Troubleshooting guide 731
Tru-Sport sportslighting 538
TSL general purpose floodlight 530
TSP *Tru-Sport* sportslighting 538
TTL twin task lights, fluorescent 66
Tulip mini pendant 183
Turret industrials, fluorescent 86
TV controlled-beam sportslighting 539
TWA *Contour* building-mounted lighting 512
TWAC *Contour* building-mounted lighting 513
TWH building-mounted lighting 510
TWL building-mounted lighting, rough service 407
Twin task lights, fluorescent 66
TWP building-mounted lighting 511
TWP tandem quick-connect, fluorescent 114
TWR building-mounted lighting 514
TWRC building-mounted lighting 515
TWRS building-mounted lighting 515
TWS building-mounted lighting 516
TX ballast housings, HID 350
TXF ballast housings, HID 351
TXF *Hi-Tek* NSF-certified low bay 374
UC low-profile undercabinet lights 65
UC5D T5 fluorescent cabinet lighting 196
UC8 all-purpose undercabinet lights 66
UCHD halogen cabinet lighting 197
UCX xenon cabinet lighting 196
UN heavy-duty channels, fluorescent 82
UNS/UND heavy-duty channels, fluorescent 82
Undercabinet lights 64-65
Units, emergency lighting 438-449
Utilitarian rough service lighting 404-411

Vanity wall brackets 194-195
VC injection-molded wraparounds, fluorescent 63
VDC linear fluorescent corner-mount 105
VDC rough service corner-mount 412
VDS linear fluorescent surface-mount 105
VDS rough service surface-mount 412
Velare emergency lighting unit 433
VEL Velare emergency lighting unit 433
VGO *Gateway*, cast housing, oval 402
VGO *Gateway*, outdoor 509
VGO *Gateway*, steel backplate, oval 403
VGR *Gateway*, cast housing, round 402
VGR *Gateway*, outdoor 508
VGR *Gateway*, steel backplate, round 400
Vibe ceiling mount 185
Volumetric recessed lighting, RT5 22
Voltage drop tables, emergency 465
VR1 surface rectangles, opal 404
VR1B surface rectangles, cast housing 405
VR1C surface rectangles, cast housing 406
VR2 surface rectangles, prismatic 404
VR2B surface rectangles, cast housing 405
VR2C surface rectangles, cast housing 406
VR3 surface squares, prismatic 408
VR3C surface squares, cast housing 409
VR4 surface squares, prismatic 408
VR4C surface squares, cast housing 409
VR4CV surface squares, cast housing 409
VR4C/VR4CV induction lighting systems 410
VRI linear fluorescent industrials 104
VRI rough service industrials 415
VRR rough service recessed squares 411
VRS modular commercials fluorescent 102

Index

VRS rough service commercials 416
VRT recessed troffers 103
VRT rough service troffers 417
VSL/VSLC rough service enclosed 413
VW/VWC linear fluorescent wraparounds 101
VW/VWC rough service wraparounds 414

W contemporary wall brackets, fluorescent 70
Wallbox dimmers 675
Wall brackets, fluorescent 68,194
WB commercial wall brackets, fluorescent 71
WC all-purpose wall brackets, fluorescent 68
Wet location cleanroom lighting, fluorescent 95
WFL building-mounted lighting 505
WG glass building-mounted 517
Wind map, US 553
Wireguards, building-mounted and site lighting 544
Wireguards, emergency units 450
Wireguards, floodlighting 546
Wireguards, fluorescent 117
Wireguards, indoor HID 392-393
WLOG decorative ceiling-mount 190
WLOS decorative ceiling-mount 190
WM medical wall brackets, fluorescent 71
WP commercial wall brackets, fluorescent 67
WP polycarbonate building-mounted 517
WPM wallplates 662
Wraparound diffusers, fluorescent 195
Wraparounds, commercial 56
Wraparounds, decorative 192
WRFM track heads 331
WRT wet location cleanroom lighting 95
WS steel wall brackets, fluorescent 69
WSL1F wet location steplights 294
WSQ quarter sphere sconce, outdoor 506
WSR half-round sconces, outdoor 506
WST trapezoidal sconces, outdoor 506
WW *Perceiva* fluorescent linear wallwash 37
WWFT track heads 329
WWRD track heads 329

Xenon cabinet lighting 196

Z hazardous-location emergency units 445
Z remote lamp heads, hazardous location PAR36 449
ZX explosion-proof emergency units 447

1B ceiling spacers, fluorescent 117
10CRM2 *Cerra 10* suspended fluorescent 161
10CRM6 *Cerra 10* suspended fluorescent 161
10CRM7 *Cerra 10* suspended fluorescent 161
170S high-performance floodlighting 531

2100 landscape lighting, Hydrel 623
2PM3N *Paramax*, 3" deep louvers 43
2RT5 Volumetric Recessed Lighting 24
2UC all-purpose undercabinet lights 65

3110 site lighting, Hydrel 613
3120 site lighting, Hydrel 613
3130 site lighting, Hydrel 613
3140 site lighting, Hydrel 613

4409 BM underwater lighting, Hydrel 646
4413 BM underwater lighting, Hydrel 646
4415 BM/YM underwater lighting, Hydrel 646
4415 NM underwater lighting, Hydrel 648
4424 BM/YM underwater lighting, Hydrel 647
4424 NM underwater lighting, Hydrel 648
4425 NM SWM underwater lighting, Hydrel 645
4427 BM/YM underwater lighting, Hydrel 647
4427 NM SWM underwater lighting, Hydrel 645
4428 underwater lighting, Hydrel 644
4451, 4452, 4453 landscape lighting, Hydrel 632
4454, 4456 landscape lighting, Hydrel 633
4462 landscape lighting, Hydrel 634
4511 landscape lighting, Hydrel 624
4516 landscape lighting, Hydrel 624
4519 landscape lighting, Hydrel 625
4524 landscape lighting, Hydrel 625
4529 landscape lighting, Hydrel 626
4540 landscape lighting, Hydrel 636
4595, 4596, 4597, 4598 landscape lighting, Hydrel 638
4610, 4620 landscape lighting, Hydrel 626
4630, 4640 landscape lighting, Hydrel 627
4650 landscape lighting, Hydrel 628
4709 landscape lighting, Hydrel 629
4750 landscape lighting, Hydrel 630
4800 BM/YM underwater lighting, Hydrel 647
4800 NM underwater lighting, Hydrel 648
4800 NM SWM underwater lighting, Hydrel 645

55 high-performance floodlighting 533

6410 in-grade lighting, Hydrel 618
6700 in-grade lighting, Hydrel 619

7CDC8 *Cerra Direct* suspended fluorescent 168
7CDM8 *Cerra Direct* suspended fluorescent 168
7CRM2 *Cerra 7* suspended fluorescent 160
7CRM7 *Cerra 7* suspended fluorescent 160
7000 floodlighting, Hydrel 601, 605
7100 floodlighting, Hydrel 602, 605
7200 floodlighting, Hydrel 603-605

8100 floodlighting, Hydrel 606-607
8200 floodlighting, Hydrel 608

9000 in-grade lighting, Hydrel 614
9310 in-grade lighting, Hydrel 620
9330 in-grade lighting, Hydrel 621
9335 in-grade lighting, Hydrel 621
9350 in-grade lighting, Hydrel 622
95 high-performance floodlighting 532
9PMO *Optimax*, 9" aperture 42



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