




Lighting & Electrical Associates, Inc.

504-887-1235

Project: PAUL MITCHELL SCHOOLS

Contents - March 11, 2010

Type	Factory	Description
A	Con-Tech	LT4 B
A	Con-Tech	LT12 B
A	Con-Tech	LT8 B
A	Con-Tech	LA8 B
A	Con-Tech	LA2 B
A	Con-Tech	CTL 838/2 B
A	Con-Tech	LAC 24
A1	Con-Tech	LT12 B
A1	Con-Tech	LA8 B
A1	Con-Tech	CTL 838/2 2
D1	Lithonia Lighting	2GT8 2 32 A12 MVOLT GEB10IS LP735
D1A	Lithonia Lighting	2GT8 3 32 A19 MVOLT GEB10IS LP735
D6	Lithonia Lighting	2GT8 F 2 32 A12 MVOLT GEB10IS LP735
D6F	Lithonia Lighting	2GT8 F 3 32 A12 MVOLT 1/3 GEB10IS LP735
G16	Focal Point	FEVS CT 2T8 2CT UNV CA24 TS
H	Lithonia Lighting	VW300I M6
J3-4	Lithonia Lighting	CLM 2 32 MVOLT GEB10IS
J3-8	Lithonia Lighting	TCLM 2 32 MVOLT GEB10IS
J3-12	Lithonia Lighting	TCLM 2 32 MVOLT GEB10IS TILW
J3-12	Lithonia Lighting	CLM 2 32 MVOLT GEB10IS
J3-20	Lithonia Lighting	TCLM 2 32 MVOLT GEB10IS TILW
J3-20	Lithonia Lighting	CLM 2 32 MVOLT GEB10IS
J3-30	Lithonia Lighting	TCLM 2 32 MVOLT GEB10IS TILW
J3-44	Lithonia Lighting	TCLM 2 32 MVOLT GEB10IS TILW
J3-44	Lithonia Lighting	CLM 2 32 MVOLT GEB10IS
J3-48	Lithonia Lighting	TCLM 2 32 MVOLT GEB10IS TILW
J3-88	Lithonia Lighting	TCLM 2 32 MVOLT GEB10IS TILW SQ18 MB
K1	Impact Lighting	P3613 126/42 SB VOLT IMPACT
EX	Lithonia Lighting	LQM S 3 R 120/277 EL N M6
EM	Lithonia Lighting	ELM2 B
LPS	OTHE	MISC LAMPS

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: LT4 B	Type: A
Project: PAUL MITCHELL SCHOOLS	Notes: 4FT TRACK , SINGLE CIRCUIT	

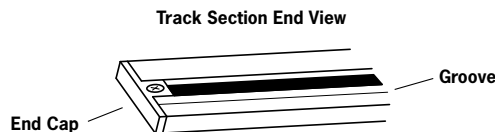
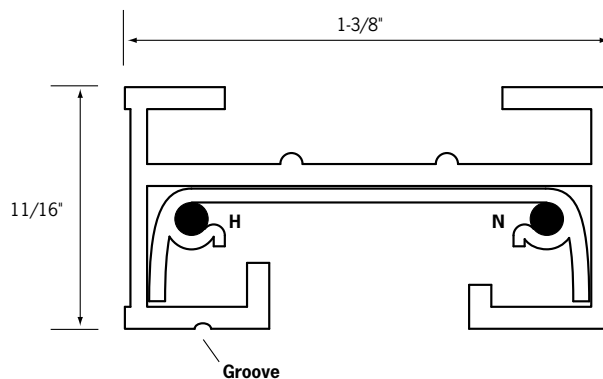
LT

Single Circuit Line Voltage Track

Catalog No. _____

Type _____

Project _____



Specifications/Features

Track

A myriad of configurations are possible with these 120V/20A rated commercial grade track sections. Low profile track cross-section; an economic solution for most applications.

Track has solid copper conductors with Noryl® insulators placed in heavy 14 ga. extruded aluminum channels.

Mechanical polarity with a visual indicator simplifies installation and mounting of fixtures while assuring proper electrical connections. All Con-Tech track fixtures have two position contacts to access 1-circuit conductors.

Toggle bolts are supplied for simple surface installation.

Nominal length track sections can be cut in the field for exact fit.

Strong "H" design construction.

Track sections may be mounted within Con-Tech's Recessed Track Housing System to minimize appearance.

Mounting accessories available for T-Bar clips, stems, threaded rods, and aircraft cable.

All track sections are supplied with two insulated end caps.

Warranty

This fixture is covered by Con-Tech's full one (1) year replacement guarantee after date of purchase.

Listing

cULUS listed. Suitable for dry locations.

Ordering Information

Example Order: **LT** - -

1-Circuit Section Length		Finish
LT -	<input type="text" value="4"/>	- <input type="text" value="B"/>
2 - 2' (24") Length; 20-1/8" Actual Length 4 - 4' (48") Length; 44-1/8" Actual Length 6 - 6' (72") Length; 68-1/8" Actual Length 8 - 8' (96") Length; 92-1/8" Actual Length 12 - 12' (144") Length; 140-1/8" Actual Length		
		B - Black P - White S - Silver* *Not Available in 12' Sections

LA11 end caps are supplied with all track sections and may be ordered separately as needed.

See other sheets for Recessed Track Systems and 120V Track Accessories.


2', 4', and 6' sections supplied with (2) toggle bolts, 8' and 12' sections supplied with (3) toggle bolts.



1-847-559-5500

www.con-techlighting.com

All specifications subject to change without notice.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: LT12 B	Type: A
Project: PAUL MITCHELL SCHOOLS	Notes: 12FT TRACK, SINGLE CIRCUIT	

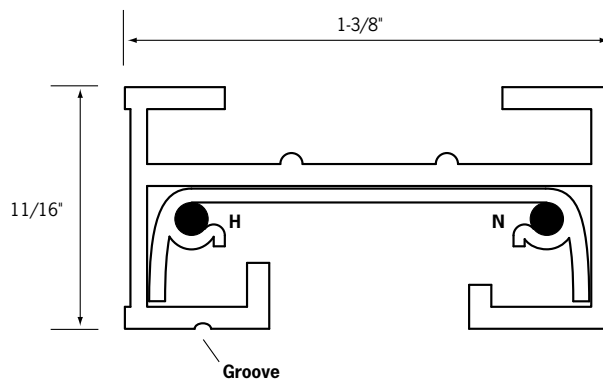
LT

Single Circuit Line Voltage Track

Catalog No. _____

Type _____

Project _____



Track Section End View



Specifications/Features

Track

A myriad of configurations are possible with these 120V/20A rated commercial grade track sections. Low profile track cross-section; an economic solution for most applications.

Track has solid copper conductors with Noryl® insulators placed in heavy 14 ga. extruded aluminum channels.

Mechanical polarity with a visual indicator simplifies installation and mounting of fixtures while assuring proper electrical connections. All Con-Tech track fixtures have two position contacts to access 1-circuit conductors.

Toggle bolts are supplied for simple surface installation.

Nominal length track sections can be cut in the field for exact fit.

Strong "H" design construction.

Track sections may be mounted within Con-Tech's Recessed Track Housing System to minimize appearance.

Mounting accessories available for T-Bar clips, stems, threaded rods, and aircraft cable.

All track sections are supplied with two insulated end caps.

Warranty

This fixture is covered by Con-Tech's full one (1) year replacement guarantee after date of purchase.

Listing

cULUS listed. Suitable for dry locations.

Ordering Information

Example Order: **LT** - -

1-Circuit Section Length

LT - -

Finish

- 2** - 2' (24") Length; 20-1/8" Actual Length
- 4** - 4' (48") Length; 44-1/8" Actual Length
- 6** - 6' (72") Length; 68-1/8" Actual Length
- 8** - 8' (96") Length; 92-1/8" Actual Length
- 12** - 12' (144") Length; 140-1/8" Actual Length

- B** - Black
- P** - White
- S** - Silver*

*Not Available in 12' Sections

LA11 end caps are supplied with all track sections and may be ordered separately as needed.

See other sheets for Recessed Track Systems and 120V Track Accessories.


2', 4', and 6' sections supplied with (2) toggle bolts, 8' and 12' sections supplied with (3) toggle bolts.



1-847-559-5500

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Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: LT8 B	Type: A
Project: PAUL MITCHELL SCHOOLS	Notes: 8FT TRACK, SINGLE CIRCUIT	

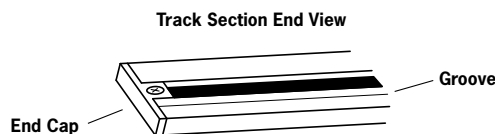
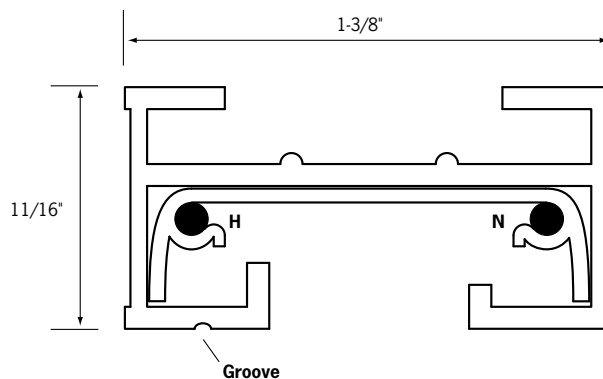
LT

Single Circuit Line Voltage Track

Catalog No. _____

Type _____

Project _____



Specifications/Features

Track

A myriad of configurations are possible with these 120V/20A rated commercial grade track sections. Low profile track cross-section; an economic solution for most applications.

Track has solid copper conductors with Noryl® insulators placed in heavy 14 ga. extruded aluminum channels.

Mechanical polarity with a visual indicator simplifies installation and mounting of fixtures while assuring proper electrical connections. All Con-Tech track fixtures have two position contacts to access 1-circuit conductors.

Toggle bolts are supplied for simple surface installation.

Nominal length track sections can be cut in the field for exact fit.

Strong "H" design construction.

Track sections may be mounted within Con-Tech's Recessed Track Housing System to minimize appearance.

Mounting accessories available for T-Bar clips, stems, threaded rods, and aircraft cable.

All track sections are supplied with two insulated end caps.

Warranty

This fixture is covered by Con-Tech's full one (1) year replacement guarantee after date of purchase.

Listing

cULUS listed. Suitable for dry locations.

Ordering Information

Example Order: **LT** - -

1-Circuit Section Length	Finish
LT - <input type="text" value="8"/> - <input type="text" value="B"/>	
2 - 2' (24") Length; 20-1/8" Actual Length	B - Black
4 - 4' (48") Length; 44-1/8" Actual Length	P - White
6 - 6' (72") Length; 68-1/8" Actual Length	S - Silver*
8 - 8' (96") Length; 92-1/8" Actual Length	
12 - 12' (144") Length; 140-1/8" Actual Length	
	*Not Available in 12' Sections

LA11 end caps are supplied with all track sections and may be ordered separately as needed.

See other sheets for Recessed Track Systems and 120V Track Accessories.

2', 4', and 6' sections supplied with (2) toggle bolts, 8' and 12' sections supplied with (3) toggle bolts.



1-847-559-5500

www.con-techlighting.com

All specifications subject to change without notice.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: LA8 B	Type: A
Project: PAUL MITCHELL SCHOOLS	Notes: END FEED CONDUIT	

1-Circuit Track

Power Feeds

Catalog No. _____

Type _____

Project _____

General Track Information

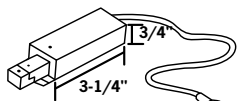
Power feeds are constructed of sturdy polycarbonate with galvanized steel back plates. Every electrical component is polarized and has a grounding capability to ensure safe usage. Visual polarity indicators simplify proper electrical installation. Twelve gauge insulated wire is used for internal connections. Solid copper track contacts provide good electrical conductivity for years of trouble free operation.

All track components are cULus listed except for LA-5 and LA-6. Installations are suitable for dry locations only. Maximum power rating is 2400 Watts: 20A at 120V, 60Hz. NEC allows 80% of full capacity or 1920 Watts.

Polarity-Configuration Legend



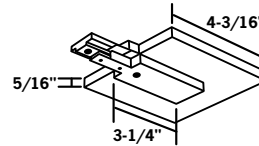
1-Circuit Track Power Feeds



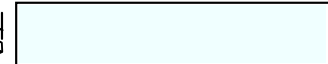
2-Wire Cord & Plug Feed



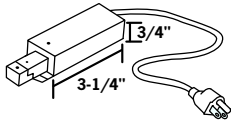
- LA-5-(B, P)**
- 18 Gauge 14' End Feed Cord, 10A Max., Optional 6A/125V switch, cut-out in cover for cord, **not UL Listed**.



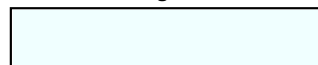
Outlet Box Feed Kit



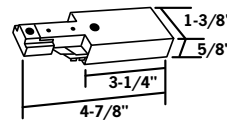
- LA-9-(B, P, S)**
- Square Cover Plate With End Feed. (1) 1/2" K.O. Kit includes J-Box Mounting Bracket, Threaded Nipple And Nut.



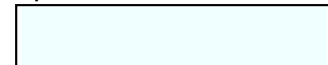
3-Wire Cord & Plug Feed



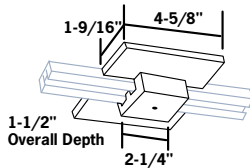
- LA-6-(B, P)**
- 18 Gauge 14' End Feed Cord, 10 Amps Max., grounded plug and connections, cut-out in cover for cord, **not UL Listed**.



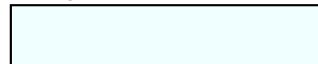
Top Access End Feed



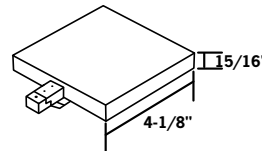
- LA-10-(B, P, S)**
- Power Feed. (1) 1/2" top K.O. for standard electrical conduit.
 - LA-10A-(B, P, S)**
 - Reverse Polarity Power Feed. (1) 1/2" top K.O. for standard electrical conduit.



Floating Feed Point



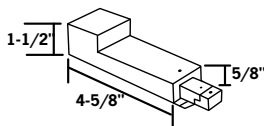
- LA-7-(B, P, S)**
- Can be installed anywhere along track. Kit includes square J-Box Canopy Cover, J-Box Mounting Bracket, Track Adaptor, and one LA-11 Series End Cap.



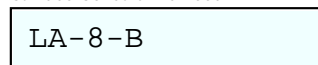
T-Bar End Feed



- LA-20-(B, P)**
- Ceiling End Feed has 4-1/8" square canopy cover. (3) 1/2" top K.O.'s can be used with T-grid installations.



Surface Conduit End Feed




- LA-8-B**
- LA-8-(B, P, S)**
- End Feed. (1) 1/2" top K.O. and (1) 1/2" end K.O. for surface conduit.
 - LA-8A-(B, P, S)**
 - Reverse Polarity End Feed. (1) 1/2" top K.O. and (1) 1/2" end K.O. for surface conduit.



1-800-728-0312

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All specifications subject to change without notice.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: LA8 B	Type: A
Project: PAUL MITCHELL SCHOOLS	Notes: END FEED CONDUIT	

1-Circuit Track

Power Feeds

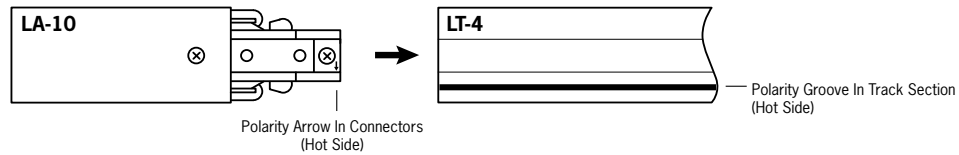
Catalog No. _____

Type _____

Project _____

Sample System Installations

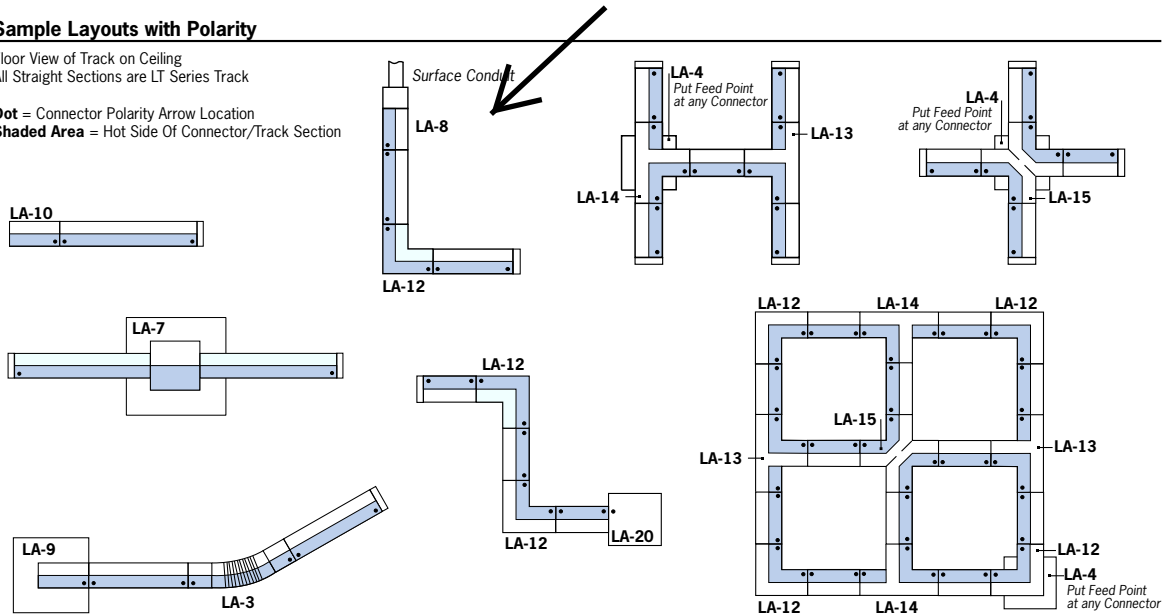
Line Up Polarity Arrows with Grooves, Insert Connectors Into Track Sections to Assemble Components



Sample Layouts with Polarity

Floor View of Track on Ceiling
All Straight Sections are LT Series Track

Dot = Connector Polarity Arrow Location
Shaded Area = Hot Side Of Connector/Track Section



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Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: LA2 B	Type: A
Project: PAUL MITCHELL SCHOOLS	Notes: CONNECTOR, TRACK	

1-Circuit Track

Connection Accessories

Catalog #

Type

Project

General Track Information

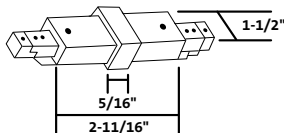
Connectors are constructed of sturdy polycarbonate with galvanized steel back plates. Every electrical component is polarized and has a grounding capability to ensure safe usage. Visual polarity indicators simplify proper electrical installation. Twelve gauge insulated wire is used for internal connections. Solid copper track contacts provide good electrical conductivity for years of trouble free operation.

All track components are cULus. Installations are suitable for dry locations only. Maximum power rating is 2400 Watts: 20A at 120V, 60Hz. NEC allows 80% of full capacity or 1920 Watts.

Polarity-Configuration Legend



1-Circuit Track Interconnection Accessories



Mini-Connectors

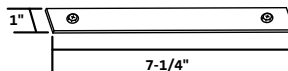
LA-2-B

LA-2-(B, P, U)

Conductive End To End Connector

LA-2N-(B, P, U)

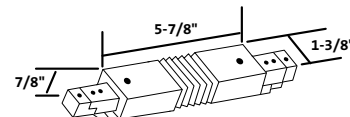
Non-Conductive End To End Connector



Mini-Connector Support Bracket

LASB-2

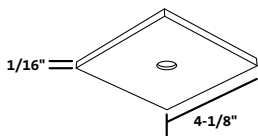
Steel Support Bracket for LA-2 and LA-2N series Mini-Connectors. Aligns and supports two sections of LT Series track, for use with pendant applications.



Flexible Connector

LA-3-(B, P, U)

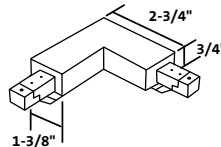
Versatile connector allows wall to ceiling or pitched ceiling applications: $\pm 90^\circ$ horizontal range (max.); $\pm 135^\circ$ vertical range (max.).



Outlet Box Cover Plate

LA-4-(B, P, U)

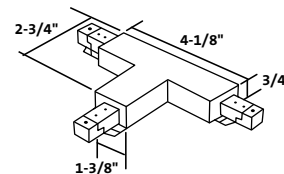
Square Cover Plate with threaded center access hole. Includes grounding washer, threaded nipple and nut. For use with LA-10, LA-10A, LA-12, LA-13, LA-14 or LA-15 Series. Covers 4" octagonal J-Box.



"L" or Straight Connector

LA-12-(B, P, U)

3-Way Connector. use as standard "L" or reverse polarity "L". Includes optional straight cover. Connector has (1) 1/2" top K.O. that can be used as power feed.



"T" Connectors

LA-13-(B, P, U)

(1) 1/2" top K.O. can be used as feed point.

LA-14-(B, P, U)


Reverse Polarity "T" Connector. (1) 1/2" top K.O. which can be used as feed point.



1-800-728-0312

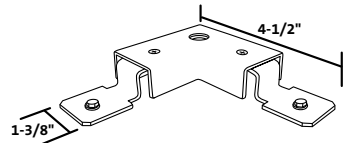
www.con-techlighting.com

All specifications subject to change without notice.

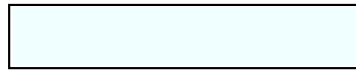
Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: LA2 B	Type: A
Project: PAUL MITCHELL SCHOOLS	Notes: CONNECTOR, TRACK	

1-Circuit Track

Connection Accessories, Continued

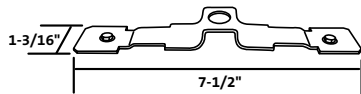


Corner Bridge Support



LA-12LTS

For use with LA-12, 3-way joiner. Permits mounting pendant stem kits at center of LA-12.

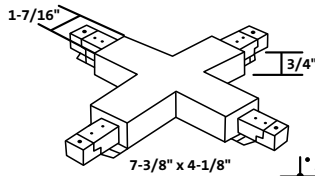


Straight Bridge Support

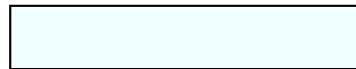


LA-12STS

For use with LA-12, 3-way joiner. Permits mounting pendant stem kits at center of LA-12.

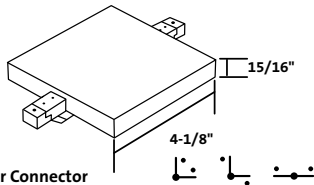


"X" Connector



LA-15-(B, P, U)

(1) 1/2" top K.O. that can be used as feed point, wired as two separate "L" sections.



T-Bar Connector



LA-31-(B, P)

Connector with square canopy cover. (3) 1/2" top K.O.'s. Can be used as straight connector feed with T-grid installations. Can be configured as a standard "L" connector, reverse polarity "L" connector or straight connector.

Catalog #

Type

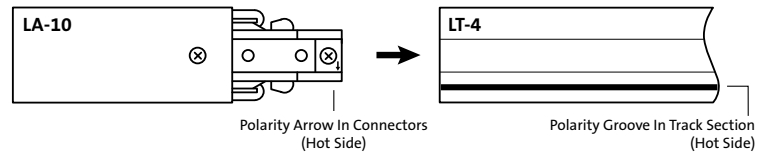
Project

Polarity-Configuration Legend



Sample System Installations

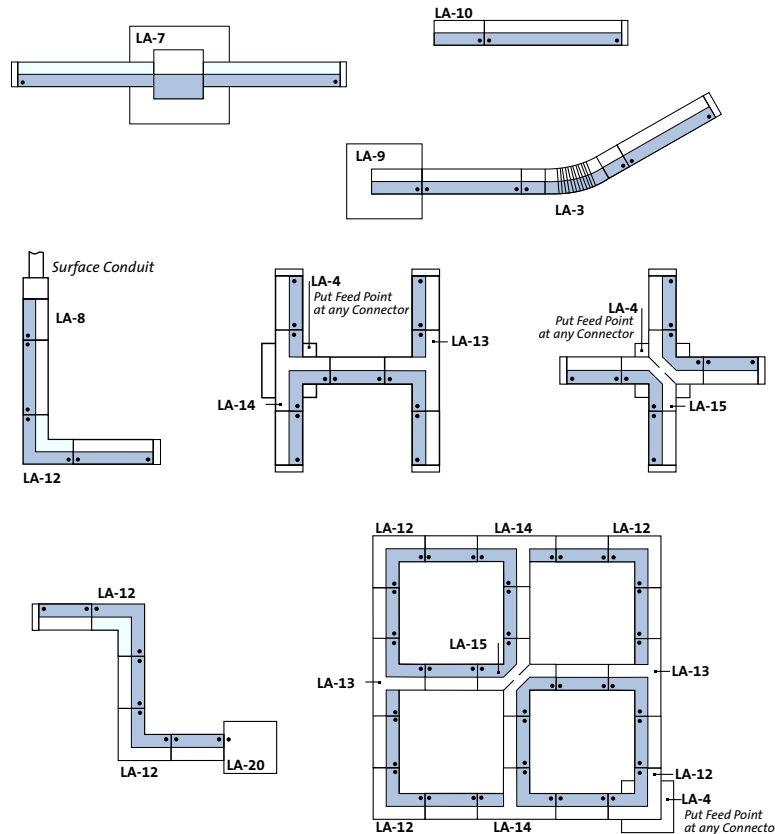
Line Up Polarity Arrows with Grooves, Insert Connectors Into Track Sections to Assemble Components



Sample Layouts with Polarity

Floor View of Track on Ceiling
All Straight Sections are LT Series Track

Dot = Connector Polarity Arrow Location
Shaded Area = Hot Side Of Connector/Track Section



1-800-728-0312

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All specifications subject to change without notice.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: CTL 838/2 B	Type: A
Project: PAUL MITCHELL SCHOOLS	Notes: TRACK HEAD, BLACK	

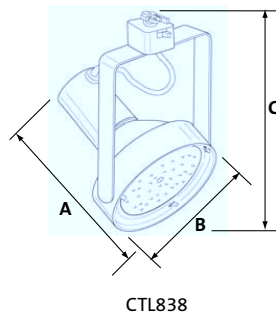
CTL838 CTL838/2 CTL838/3

**Gimbal
120V Series
Track Fixtures**

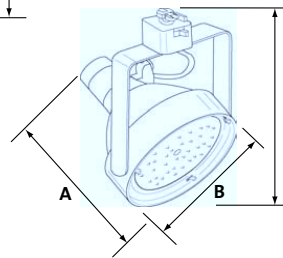
Catalog #

Type

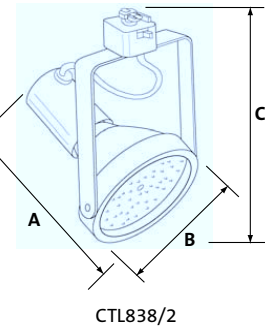
Project



CTL838



CTL838/3



CTL838/2

DIMENSIONS			
Model	A	B	C
CTL838	6 1/2"	5 1/2"	11"
CTL838/2	5 3/4"	5"	10 1/8"
CTL838/3	4 3/4"	5 1/2"	9 3/4"

Specifications/Features

Fixture

The free, unconfined look of these gimbal lamp holders make them popular for commercial, retail and residential applications.

The 2-plane gimbal design permits maximum horizontal and vertical swivel for excellent aiming, and our "Sure-Set" yoke holds the fixture firmly in place.

Models are offered for all the popular halogen PAR lamps.

The CTL838 and CTL838/3 are supplied with permanently mounted spring clips for the use with light control accessories.

The CTL838/2 is supplied with field-mounted accessory clips (FA-38).

Lamp/Electrical

CTL838 Lamp: 250W PAR38 (max), E26 Medium skirted base, 120V.

CTL838/2 Lamp: 250W PAR38 (max), E26 Medium skirted base, 120V.

CTL838/3 Lamp: 150W PAR38 (max), Medium side prong, 120V.

All styles are equipped with a convenient on/off switch and polarity indicator.

Warranty

This fixture is covered by Con-Tech's full replacement guarantee which is effective for one year.

Listing

cULus listed. Suitable for dry locations.

Ordering Information

Example Order: **CTL838** - **P** - **LA-38**

Housing

CTL838/2

CTL838 - PAR38 Lamp holder
CTL838/2 - Slim PAR38 Lamp holder
CTL838/3 - Side prong PAR38 Lamp holder

Finish

B

P - White
B - Black
PB - Polished Brass
C - Chrome
U - UNLook

Accessories

LA-38 - Egg-Crate Louver for PAR38
LF30-A - Amber
LF30-B - Blue
LF30-G - Green
LF30-LB - Light Blue
LF30-R - Red
LF30-RO - Rose
LF30-73 - Spread Lens
LF30-LS - Linear Spread Lens
LF30-UV - Ultra Violet
BD38 - Barn Door for PAR38 Gimbal Fixtures



1-800-728-0312

www.con-techlighting.com

All specifications subject to change without notice.

AD04TRSS44

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: LAC 24	Type: A
Project: PAUL MITCHELL SCHOOLS	Notes: AIRCRAFT CABLE HANGER	

LAC-24

Catalog #

Type

Project

1-Circuit & 2-Circuit Mounting Accessories

Drywall Pendant Feed Kits



LA5012-(B, P)

Kit Allows Stem Mounting Of Track To Drywall Ceilings, Includes 12" Stem, J-Box Hardware, Canopy Cover, Mounting Bracket For Back Of Track, Can Be Used For Power Feed, Specify Color

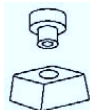
LA5018-(B, P)

Kit Allows Stem Mounting Of Track To Drywall Ceilings, Includes 18" Stem, J-Box Hardware, Canopy Cover, Mounting Bracket For Back Of Track, Can Be Used For Power Feed, Specify Color

LA5018A-(B, P)

Kit Allows Stem Mounting Of Track To Drywall Ceilings, Use With Stems Sold Separately, Includes J-Box Hardware, Canopy Cover, & Mounting Bracket For Back Of Track, Can Be Used For Power Feed, Specify Color

T-Bar Pendant Kits



LA-51-(B, P)

Kit Allows Stem Mounting Of Track To T-Bar Grid, Use With Stems Sold Separately, Includes T-Bar Clip Hardware, Stem Adapter, & Mounting Bracket For Back Of Track, Can Not Be Used For Power Feed, Specify Color



LA5112-(B, P)

Kit Allows Stem Mounting Of Track To T-Bar Grid, Includes 12" Stem, T-Bar Clip Hardware, Stem Adapter, Mounting Bracket For Back Of Track, Can Not Be Used For Power Feed, Specify Color

LA5118-(B, P)

Kit Allows Stem Mounting Of Track To T-Bar Grid, Includes 18" Stem, T-Bar Clip Hardware, Stem Adapter, Mounting Bracket For Back Of Track, Can Not Be Used For Power Feed, Specify Color

Rod Suspension Kits



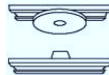
LA-52-(B, P)

Kit Allows Mounting Of $\frac{5}{16}$ " Threaded Rod To Track, Includes Plastic Cover, Locknuts, & Mounting Bracket For Back Of Track, Without Stem, Specify Color

LA-52-3/8-(B, P)

Kit Allows Mounting Of $\frac{3}{8}$ " Threaded Rod To Track, Includes Plastic Cover, Locknuts, & Mounting Bracket For Back Of Track, Without Stem, Specify Color

T-Bar Pendant Feed Kits



LA-53-(B, P)

Kit Allows Mounting Of Track To $\frac{15}{16}$ " Wide T-Bar Grid, Includes Canopy Cover, T-Bar Mounting Assembly, Mounting Bracket Hardware For Back Of Track, Without Stem, Can Be Used For Power Feed, Specify Color



LA5312-(B, P)

Kit Allows Mounting Of Track To $\frac{15}{16}$ " Wide T-Bar Grid, Includes 12" Stem, Canopy Cover, T-Bar Mounting Assembly, Mounting Bracket Hardware For Back Of Track, Can Be Used For Power Feed, Specify Color

LA5318-(B, P)

Kit Allows Mounting Of Track To $\frac{15}{16}$ " Wide T-Bar Grid, Includes 18" Stem, Canopy Cover, T-Bar Mounting Assembly, Mounting Bracket Hardware For Back Of Track, Can Be Used For Power Feed, Specify Color

Canopy



LA-54-(B, P)

Plastic Canopy With Set Screw, Option For Use With LA-51 & A Stem Choice To Create Kit, Option For LA-5112 Or LA-5118 To Cover T-Bar Attachment, Specify Color

Cable Kits For T-Bar/Wood Surface



Cable Suspension Includes Clip For $\frac{15}{16}$ " Wide T-Bar, Fully Adjustable Cable Grip & Cable Coupler, Hanger Bolt With A $\frac{1}{4}$ " Stud

LAC-24 With 24" Steel Cable

LAC-48 With 48" Steel Cable

LAC-180 With 180" Steel Cable

Cable Kits For Drywall



Cable Suspension Includes A $\frac{1}{4}$ "-20 Toggle Bolt Assembly, Fully Adjustable Cable Grip & Cable Coupler, 1 $\frac{7}{8}$ " Diameter Ceiling Cover Plate

LACD-24 With 24" Steel Cable

LACD-48 With 48" Steel Cable

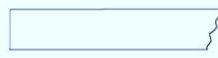
Cover For Stem Feed



LA-241-(B, P)

Plastic Cover For T-Bar & Drywall Pendant Feed Kits Used With LA-10, LA-10A, & LA-210 Series Live End Feeds, For 1-Circuit & 2-Circuit Track, Specify Color

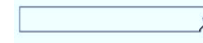
Raceway Cover



TA-4-(B, P, U)

4' Plastic Cover For Track Raceway, Slides Into Back Of Track, Field Cuttable, For 1-Circuit & 2-Circuit Track, Black Only

Front Insert



8T FRT INSERT-(P, B, S)

8' (field cuttable) front insert for wall mounted track. Blocks access to bussway system where no fixture is mounted.




1-800-728-0312

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All specifications subject to change without notice.

AD03TRSS12

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: LT12 B	Type: A1
Project: PAUL MITCHELL SCHOOLS	Notes: 12FT TRACK, SINGLE CIRCUIT	

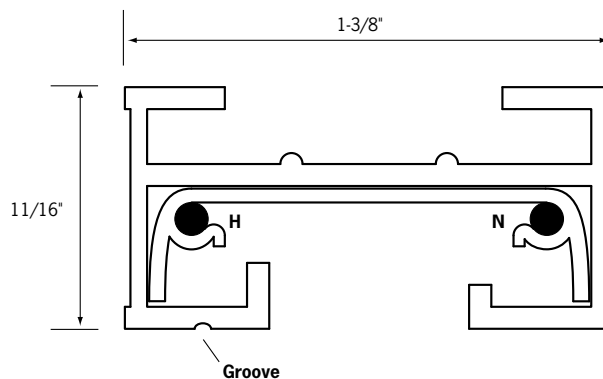
LT

Single Circuit Line Voltage Track

Catalog No. _____

Type _____

Project _____



Track Section End View



Specifications/Features

Track

A myriad of configurations are possible with these 120V/20A rated commercial grade track sections. Low profile track cross-section; an economic solution for most applications.

Track has solid copper conductors with Noryl® insulators placed in heavy 14 ga. extruded aluminum channels.

Mechanical polarity with a visual indicator simplifies installation and mounting of fixtures while assuring proper electrical connections. All Con-Tech track fixtures have two position contacts to access 1-circuit conductors.

Toggle bolts are supplied for simple surface installation.

Nominal length track sections can be cut in the field for exact fit.

Strong "H" design construction.

Track sections may be mounted within Con-Tech's Recessed Track Housing System to minimize appearance.

Mounting accessories available for T-Bar clips, stems, threaded rods, and aircraft cable.

All track sections are supplied with two insulated end caps.

Warranty

This fixture is covered by Con-Tech's full one (1) year replacement guarantee after date of purchase.

Listing

cULUS listed. Suitable for dry locations.

Ordering Information

Example Order: **LT** - -

1-Circuit Section Length

LT - - Finish

- 2** - 2' (24") Length; 20-1/8" Actual Length
- 4** - 4' (48") Length; 44-1/8" Actual Length
- 6** - 6' (72") Length; 68-1/8" Actual Length
- 8** - 8' (96") Length; 92-1/8" Actual Length
- 12** - 12' (144") Length; 140-1/8" Actual Length

- B** - Black
- P** - White
- S** - Silver*

*Not Available in 12' Sections

LA11 end caps are supplied with all track sections and may be ordered separately as needed.

See other sheets for Recessed Track Systems and 120V Track Accessories.


2', 4', and 6' sections supplied with (2) toggle bolts, 8' and 12' sections supplied with (3) toggle bolts.



1-847-559-5500

www.con-techlighting.com

All specifications subject to change without notice.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: LA8 B	Type: A1
Project: PAUL MITCHELL SCHOOLS	Notes: END FEED CONDUIT	

1-Circuit Track

Power Feeds

Catalog No. _____

Type _____

Project _____

General Track Information

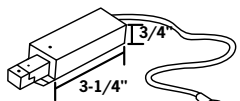
Power feeds are constructed of sturdy polycarbonate with galvanized steel back plates. Every electrical component is polarized and has a grounding capability to ensure safe usage. Visual polarity indicators simplify proper electrical installation. Twelve gauge insulated wire is used for internal connections. Solid copper track contacts provide good electrical conductivity for years of trouble free operation.

All track components are cULus listed except for LA-5 and LA-6. Installations are suitable for dry locations only. Maximum power rating is 2400 Watts: 20A at 120V, 60Hz. NEC allows 80% of full capacity or 1920 Watts.

Polarity-Configuration Legend

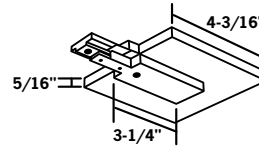


1-Circuit Track Power Feeds



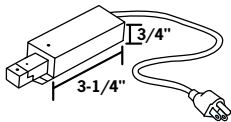
2-Wire Cord & Plug Feed

LA-5-(B, P)
• 18 Gauge 14' End Feed Cord, 10A Max., Optional 6A/125V switch, cut-out in cover for cord, **not UL Listed**.



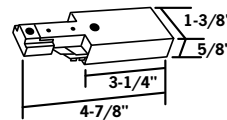
Outlet Box Feed Kit

LA-9-(B, P, S)
• Square Cover Plate With End Feed. (1) 1/2" K.O. Kit includes J-Box Mounting Bracket, Threaded Nipple And Nut.



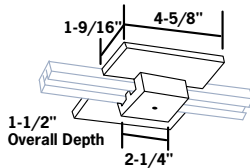
3-Wire Cord & Plug Feed

LA-6-(B, P)
• 18 Gauge 14' End Feed Cord, 10 Amps Max., grounded plug and connections, cut-out in cover for cord, **not UL Listed**.



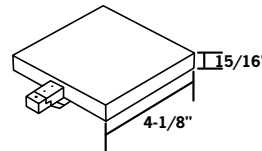
Top Access End Feed

LA-10-(B, P, S)
• Power Feed. (1) 1/2" top K.O. for standard electrical conduit.
LA-10A-(B, P, S)
• Reverse Polarity Power Feed. (1) 1/2" top K.O. for standard electrical conduit.



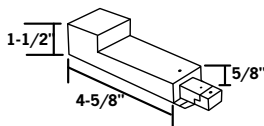
Floating Feed Point

LA-7-(B, P, S)
• Can be installed anywhere along track. Kit includes square J-Box Canopy Cover, J-Box Mounting Bracket, Track Adaptor, and one LA-11 Series End Cap.



T-Bar End Feed

LA-20-(B, P)
• Ceiling End Feed has 4-1/8" square canopy cover. (3) 1/2" top K.O.'s can be used with T-grid installations.



Surface Conduit End Feed


LA-8-B
LA-8-(B, P, S)
• End Feed. (1) 1/2" top K.O. and (1) 1/2" end K.O. for surface conduit.
LA-8A-(B, P, S)
• Reverse Polarity End Feed. (1) 1/2" top K.O. and (1) 1/2" end K.O. for surface conduit.



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All specifications subject to change without notice.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: LA8 B	Type: A1
Project: PAUL MITCHELL SCHOOLS	Notes: END FEED CONDUIT	

1-Circuit Track

Power Feeds

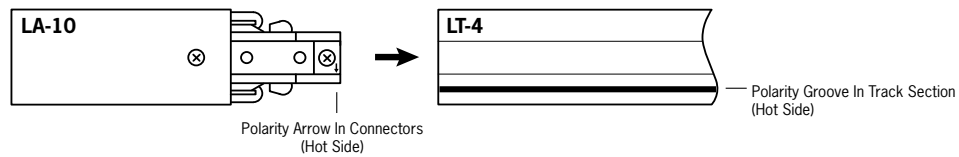
Catalog No. _____

Type _____

Project _____

Sample System Installations

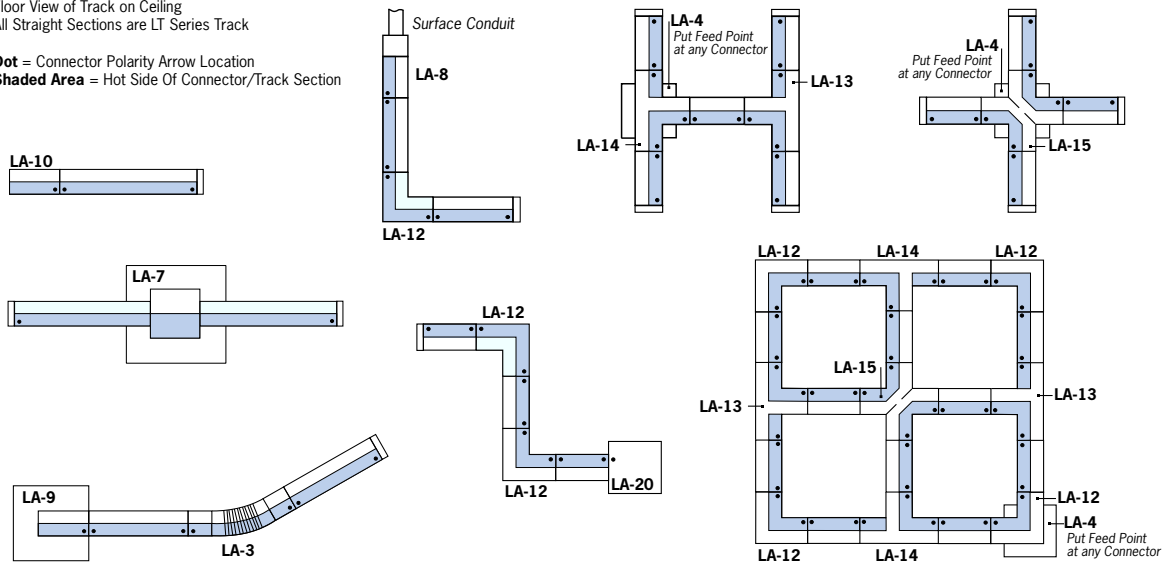
Line Up Polarity Arrows with Grooves, Insert Connectors Into Track Sections to Assemble Components



Sample Layouts with Polarity

Floor View of Track on Ceiling
All Straight Sections are LT Series Track


Dot = Connector Polarity Arrow Location
Shaded Area = Hot Side Of Connector/Track Section



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All specifications subject to change without notice.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: CTL 838/2 B	Type: A1
Project: PAUL MITCHELL SCHOOLS	Notes: TRACK HEAD, BLACK	

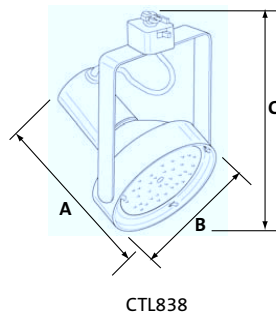
CTL838 CTL838/2 CTL838/3

**Gimbal
120V Series
Track Fixtures**

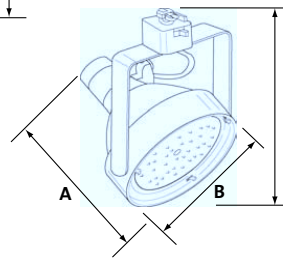
Catalog #

Type

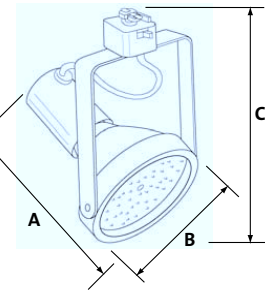
Project



CTL838



CTL838/3



CTL838/2

DIMENSIONS			
Model	A	B	C
CTL838	6 1/2"	5 1/2"	11"
CTL838/2	5 3/4"	5"	10 1/8"
CTL838/3	4 3/4"	5 1/2"	9 3/4"

Specifications/Features

Fixture

The free, unconfined look of these gimbal lamp holders make them popular for commercial, retail and residential applications.

The 2-plane gimbal design permits maximum horizontal and vertical swivel for excellent aiming, and our "Sure-Set" yoke holds the fixture firmly in place.

Models are offered for all the popular halogen PAR lamps.

The CTL838 and CTL838/3 are supplied with permanently mounted spring clips for the use with light control accessories.

The CTL838/2 is supplied with field-mounted accessory clips (FA-38).

Lamp/Electrical

CTL838 Lamp: 250W PAR38 (max), E26 Medium skirted base, 120V.

CTL838/2 Lamp: 250W PAR38 (max), E26 Medium skirted base, 120V.

CTL838/3 Lamp: 150W PAR38 (max), Medium side prong, 120V.

All styles are equipped with a convenient on/off switch and polarity indicator.

Warranty

This fixture is covered by Con-Tech's full replacement guarantee which is effective for one year.

Listing

cULus listed. Suitable for dry locations.

Ordering Information

Example Order: **CTL838** - **P** - **LA-38**

Housing

CTL838/2

CTL838 - PAR38 Lamp holder
CTL838/2 - Slim PAR38 Lamp holder
CTL838/3 - Side prong PAR38 Lamp holder

Finish

B

P - White
B - Black
PB - Polished Brass
C - Chrome
U - UNLook

Accessories

LA-38 - Egg-Crate Louver for PAR38
LF30-A - Amber
LF30-B - Blue
LF30-G - Green
LF30-LB - Light Blue
LF30-R - Red
LF30-RO - Rose
LF30-73 - Spread Lens
LF30-LS - Linear Spread Lens
LF30-UV - Ultra Violet
BD38 - Barn Door for PAR38 Gimbal Fixtures




1-800-728-0312

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All specifications subject to change without notice.

AD04TRSS44

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: 2GT8 2 32 A12 MVOLT GEB10IS LP735	Type: D1
Project: PAUL MITCHELL SCHOOLS	Notes:	



FEATURES & SPECIFICATIONS

INTENDED USE

Low-profile static luminaire provides general illumination for recessed applications; ideal for restricted plenum spaces.

ATTRIBUTES

Designed exclusively for use with T8 lamps, electronic ballasts and sockets.

CONSTRUCTION

Smooth hemmed sides and smooth, inward formed end flanges for safe handling. Lighter weight fixture allows for safe, easy installation.

Standard steel door frame has superior structural integrity with premium extruded appearance and precision flush mitered corners. Steel door allows easy lens replacement without frame disassembly (for lenses up to .156" thick). Powder painted, steel latches provide easy, secure door closure.

Superior mechanical light seal requires no foam gasketing. Integral T-bar clips secure fixture to T-bar system. Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized. No asbestos is used in this product.

FINISH

Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Standard ballast is electronic, thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast, universal voltage and sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

LISTING

Standard: UL. Optional: Canada — CSA or cUL; Mexico — NOM.

WARRANTY

Guaranteed for one year against mechanical defects in manufacture.

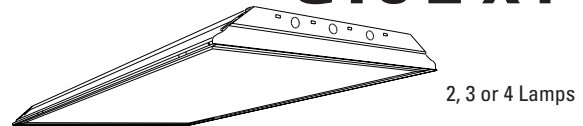
US patents: 6,210,025; 6,231,213; 2,288,471.

Specifications subject to change without notice.

Catalog Number
Notes
Type

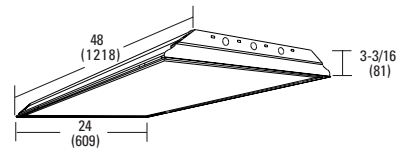
General Purpose T8 Troffer

GT8 2'x4'



Specifications

Length: 48 (1218)
Width: 24 (609)
Depth: 3-3/16 (81)
Weight: 22 lbs (9.9 kg)



All dimensions are inches (millimeters).

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.


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

2GT8	2	32	A12		MVOLT	GEB10IS LP735
Series	Number of lamps	Door frame	Voltage		Options ²	
2GT8 2' wide	2 3 4 Not included.	(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	120 277 347 MVOLT Others available.		1/4 One 4-lamp ballast 1/3 One 3-lamp ballast GEB10IS Electronic ballast, ≤10% THD, instant start GEB10RS Electronic ballast, ≤10% THD, rapid start EL Emergency battery pack (nominal 300 lumens) EL14 Emergency battery pack (nominal 1400 lumens) GLR Internal fast-blow fuse GMF Internal slow-blow fuse LST Tandem-wired fixture pairs (shared ballasts) PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit LP_ Lamped, specify lamp type and color LP735 Lamped; 700-series, 3500K LP741 Lamped; 700-series, 4100K JP Palletized and stretch-wrapped without individual cartons; grid trim CSA CSA Certified NOM NOM Certified	
Trim type	Lamp type	Diffuser type				
(blank) Grid F Overlapping flanged	32 32W T8 (48")	A12 #12 pattern acrylic A12125 #12 pattern acrylic, .125" thick A19 #19 pattern acrylic, .156" thick A15 #15 pattern acrylic, .2" thick PC1S 1/2" x 1/2" x 1/2" plastic cube louver, silver PC2S 1-1/2" x 1-1/2" x 1" plastic cube louver, silver w/ flange ¹ PC3S 3/4" x 3/4" x 1/2" plastic cube louver, silver				

NOTES:
1 Available with flush door frames only.
2 MVOLT standard for 120-277V applications, 50-60 hz operation. Some options require voltane, snficied.

NOTES:

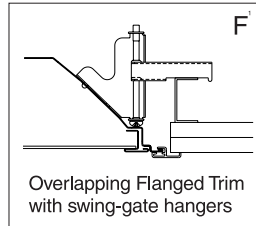
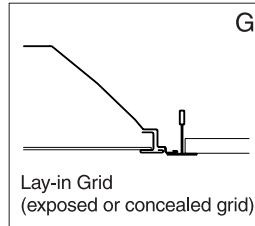
- Available with flush door frames only.
- MVOLT standard for 120-277V applications, 50-60 hz operation. Some options require voltage specified.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: 2GT8 2 32 A12 MVOLT GEB10IS LP735	Type: D1
Project: PAUL MITCHELL SCHOOLS	Notes:	

GT8 2'x4' Static T8 Troffer

MOUNTING DATA

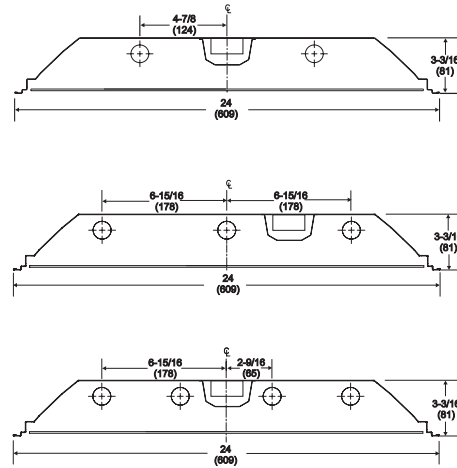
Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).



NOTE:

- 1 Recommended rough-in dimensions for F-trim fixtures 24"x48" (Tolerance is +1/4"-0"). Swing-gate range 1-3/16" to 3-15/16". Swing-gate span 23-3/8" to 26-11/16". Fixture swing-gate points require additional 1-1/16" over nominal fixture height.

DIMENSIONS



PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

2GT8 2 32 A12

Report LTL 7424

Lumens per lamp - 2850 - Lum. eff. - 81.7%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	97	97	97	95	95	95	91	91	91
1	89	86	82	87	84	81	80	78	76
2	82	75	70	80	74	69	71	67	63
3	75	67	60	73	65	59	63	58	54
4	69	59	52	67	58	52	56	51	46
5	63	53	46	62	52	46	51	45	40
6	59	48	41	47	47	40	46	40	35
7	54	44	37	53	43	36	42	36	31
8	51	40	33	49	39	33	38	32	28
9	47	37	30	46	36	30	35	29	25
10	44	34	27	43	33	27	32	27	23

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1372	24.1	29.4
0-40	2277	39.9	48.9
0-60	3907	68.5	83.9
0-90	4658	81.7	100.0
90-180	0	0	0
0-180	4658	81.7	100.0

2GT8 3 32 A12 1/3

Report LTL 7421

Lumens per lamp - 2850 - Lum. eff. - 80.1%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	95	95	95	93	93	93	89	89	89
1	88	84	81	85	82	79	79	76	74
2	80	74	69	78	72	68	70	66	62
3	74	66	59	72	64	58	62	57	53
4	68	58	52	66	57	51	55	50	46
5	62	52	45	61	52	45	50	44	40
6	58	47	40	56	47	40	45	39	35
7	54	43	36	52	42	36	41	35	31
8	50	39	33	49	39	32	38	32	28
9	47	36	30	45	36	29	35	29	25
10	44	33	27	43	33	27	32	27	23

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2066	24.2	30.2
0-40	3412	39.9	49.8
0-60	5768	67.5	84.2
0-90	6851	80.1	100.0
90-180	0	0	0
0-180	6851	80.1	100.0

2GT8 4 32 A12 1/4

Report LTL 7425

Lumens per lamp - 2850 - Lum. eff. - 78.6%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	94	94	94	91	91	91	87	87	87
1	86	82	79	84	81	78	77	75	73
2	79	73	68	77	71	67	68	64	61
3	72	64	58	70	63	57	61	56	52
4	66	57	51	65	56	50	54	49	45
5	61	51	45	60	51	44	49	43	39
6	57	47	40	55	46	39	44	39	34
7	53	42	36	51	42	35	40	35	31
8	49	39	32	48	38	32	37	31	27
9	46	35	29	45	35	29	34	29	25
10	43	33	27	42	32	27	32	26	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2718	23.8	30.3
0-40	4481	39.3	50.0
0-60	7553	66.3	84.2
0-90	8965	78.6	100.0
90-180	0	0	0
0-180	8965	78.6	100.0

Energy (Calculated in accordance with NEMA standard LE-5)

LER.FL	ANNUAL ENERGY COST*	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	WATTS
73	\$3.29	(2) 32W T8	2850	.90	58
70	\$3.43	(3) 32W T8	2850	.87	85
73	\$3.29	(4) 32W T8	2850	.88	109

* Comparative yearly lighting energy cost per 1000 lumens



Sheet #: GT8-2x4

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Lithonia Lighting

Fluorescent

One Lithonia Way, Conyers, GA 30012

Phone: 800-858-7763 Fax: 770-929-8789

www.lithonia.com

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: 2GT8 3 32 A19 MVOLT GEB10IS LP735	Type: D1A
Project: PAUL MITCHELL SCHOOLS	Notes: 2 BALLAST	



FEATURES & SPECIFICATIONS

INTENDED USE

Low-profile static luminaire provides general illumination for recessed applications; ideal for restricted plenum spaces.

ATTRIBUTES

Designed exclusively for use with T8 lamps, electronic ballasts and sockets.

CONSTRUCTION

Smooth hemmed sides and smooth, inward formed end flanges for safe handling. Lighter weight fixture allows for safe, easy installation.

Standard steel door frame has superior structural integrity with premium extruded appearance and precision flush mitered corners. Steel door allows easy lens replacement without frame disassembly (for lenses up to .156" thick). Powder painted, steel latches provide easy, secure door closure.

Superior mechanical light seal requires no foam gasketing. Integral T-bar clips secure fixture to T-bar system. Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized. No asbestos is used in this product.

FINISH

Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Standard ballast is electronic, thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast, universal voltage and sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

LISTING

Standard: UL. Optional: Canada — CSA or cUL; Mexico — NOM.

WARRANTY

Guaranteed for one year against mechanical defects in manufacture.

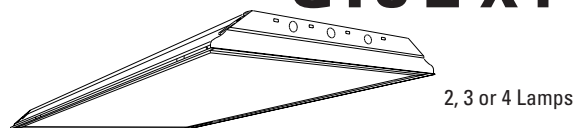
US patents: 6,210,025; 6,231,213; 2,288,471.

Specifications subject to change without notice.

Catalog Number	
Notes	Type

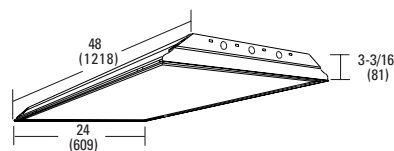
General Purpose T8 Troffer

GT8 2'x4'



Specifications

Length: 48 (1218)
Width: 24 (609)
Depth: 3-3/16 (81)
Weight: 22 lbs (9.9 kg)



All dimensions are inches (millimeters).

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

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

2GT8	3	32	A12	MVOLT	GEB10IS LP735
Series	Number of lamps	Door frame		Voltage	Options ²
2GT8 2' wide	2 3 4 Not included.	(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		120 277 347 MVOLT Others available.	1/4 One 4-lamp ballast 1/3 One 3-lamp ballast GEB10IS Electronic ballast, ≤10% THD, instant start GEB10RS Electronic ballast, ≤10% THD, rapid start EL Emergency battery pack (nominal 300 lumens) EL14 Emergency battery pack (nominal 1400 lumens) GLR Internal fast-blow fuse GMF Internal slow-blow fuse LST Tandem-wired fixture pairs (shared ballasts) PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit
Trim type	Lamp type	Diffuser type			LP_ Lamped, specify lamp type and color LP735 Lamped; 700-series, 3500K LP741 Lamped; 700-series, 4100K JP Palletized and stretch-wrapped without individual cartons; grid trim CSA CSA Certified NOM NOM Certified
(blank) Grid F Overlapping flanged	32 32W T8 (48")	A12 #12 pattern acrylic A12125 #12 pattern acrylic, .125" thick A19 #19 pattern acrylic, .156" thick A15 #15 pattern acrylic, .2" thick PC1S 1/2" x 1/2" x 1/2" plastic cube louver, silver PC2S 1-1/2" x 1-1/2" x 1" plastic cube louver, silver w/ flange ¹ PC3S 3/4" x 3/4" x 1/2" plastic cube louver, silver			


NOTES:

1 Available with flush door frames only.

2 MVOLT standard for 120-277V applications, 50-60 hz operation. Some options require voltange, snecified.

NOTES:

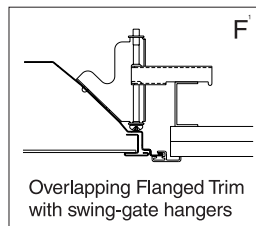
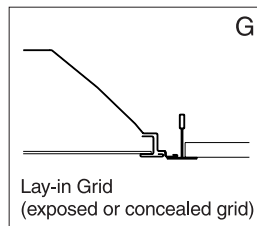
- Available with flush door frames only.
- MVOLT standard for 120-277V applications, 50-60 hz operation. Some options require voltage specified.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: 2GT8 3 32 A19 MVOLT GEB10IS LP735	Type: D1A
Project: PAUL MITCHELL SCHOOLS	Notes: 2 BALLAST	

GT8 2'x4' Static T8 Troffer

MOUNTING DATA

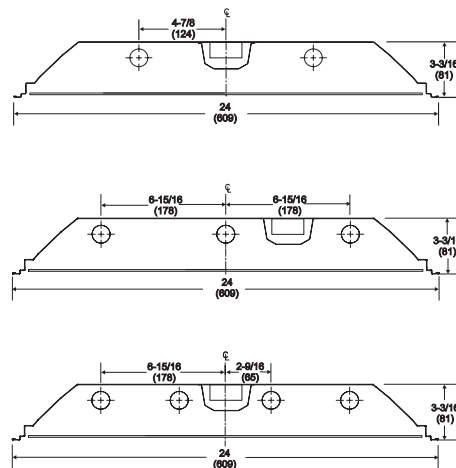
Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).



NOTE:

- 1 Recommended rough-in dimensions for F-trim fixtures 24"x48" (Tolerance is +1/4"-0"). Swing-gate range 1-3/16" to 3-15/16". Swing-gate span 23-3/8" to 26-11/16". Fixture swing-gate points require additional 1-1/16" over nominal fixture height.

DIMENSIONS



PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

2GT8 2 32 A12

Report LTL 7424

Lumens per lamp - 2850 - Lum. eff. - 81.7%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%				70%				50%			
Wall	70%	50%	30%		70%	50%	30%		50%	30%	10%	
0	97	97	97	95	95	95	91	91	91			
1	89	86	82	87	84	81	80	78	76			
2	82	75	70	80	74	69	71	67	63			
3	75	67	60	73	65	59	63	58	54			
4	69	59	52	67	58	52	56	51	46			
5	63	53	46	62	52	46	51	45	40			
6	59	48	41	47	47	40	46	40	35			
7	54	44	37	53	43	36	42	36	31			
8	51	40	33	49	39	33	38	32	28			
9	47	37	30	46	36	30	35	29	25			
10	44	34	27	43	33	27	32	27	23			

2GT8 3 32 A12 1/3

Report LTL 7421

Lumens per lamp - 2850 - Lum. eff. - 80.1%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%				70%				50%			
Wall	70%	50%	30%		70%	50%	30%		50%	30%	10%	
0	95	95	95	93	93	93	89	89	89			
1	88	84	81	85	82	79	79	76	74			
2	80	74	69	78	72	68	70	66	62			
3	74	66	59	72	64	58	62	57	53			
4	68	58	52	66	57	51	55	50	46			
5	62	52	45	61	52	45	50	44	40			
6	58	47	40	56	47	40	45	39	35			
7	54	43	36	52	42	36	41	35	31			
8	50	39	33	49	39	32	38	32	28			
9	47	36	30	45	36	29	35	29	25			
10	44	33	27	43	33	27	32	27	23			

2GT8 4 32 A12 1/4

Report LTL 7425

Lumens per lamp - 2850 - Lum. eff. - 78.6%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%				70%				50%			
Wall	70%	50%	30%		70%	50%	30%		50%	30%	10%	
0	94	94	94	91	91	91	87	87	87			
1	86	82	79	84	81	78	77	75	73			
2	79	73	68	77	71	67	68	64	61			
3	72	64	58	70	63	57	61	56	52			
4	66	57	51	65	56	50	54	49	45			
5	61	51	45	60	51	44	49	43	39			
6	57	47	40	55	46	39	44	39	34			
7	53	42	36	51	42	35	40	35	31			
8	49	39	32	48	38	32	37	31	27			
9	46	35	29	45	35	29	34	29	25			
10	43	33	27	42	32	27	32	26	22			

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1372	24.1	29.4
0-40	2277	39.9	48.9
0-60	3907	68.5	83.9
0-90	4658	81.7	100.0
90-180	0	0	0
0-180	4658	81.7	100.0

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2066	24.2	30.2
0-40	3412	39.9	49.8
0-60	5768	67.5	84.2
0-90	6851	80.1	100.0
90-180	0	0	0
0-180	6851	80.1	100.0

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2718	23.8	30.3
0-40	4481	39.3	50.0
0-60	7553	66.3	84.2
0-90	8965	78.6	100.0
90-180	0	0	0
0-180	8965	78.6	100.0

Energy (Calculated in accordance with NEMA standard LE-5)

LER.FL	ANNUAL ENERGY COST*	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	WATTS
73	\$3.29	(2) 32W T8	2850	.90	58
70	\$3.43	(3) 32W T8	2850	.87	85
73	\$3.29	(4) 32W T8	2850	.88	109

* Comparative yearly lighting energy cost per 1000 lumens



Sheet #: GT8-2x4

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Lithonia Lighting

Fluorescent

One Lithonia Way, Conyers, GA 30012

Phone: 800-858-7763 Fax: 770-929-8789

www.lithonia.com

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: 2GT8 F 2 32 A12 MVOLT GEB10IS LP735	Type: D6
Project: PAUL MITCHELL SCHOOLS	Notes:	



FEATURES & SPECIFICATIONS

INTENDED USE

Low-profile static luminaire provides general illumination for recessed applications; ideal for restricted plenum spaces.

ATTRIBUTES

Designed exclusively for use with T8 lamps, electronic ballasts and sockets.

CONSTRUCTION

Smooth hemmed sides and smooth, inward formed end flanges for safe handling. Lighter weight fixture allows for safe, easy installation.

Standard steel door frame has superior structural integrity with premium extruded appearance and precision flush mitered corners. Steel door allows easy lens replacement without frame disassembly (for lenses up to .156" thick). Powder painted, steel latches provide easy, secure door closure.

Superior mechanical light seal requires no foam gasketing. Integral T-bar clips secure fixture to T-bar system. Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized. No asbestos is used in this product.

FINISH

Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Standard ballast is electronic, thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast, universal voltage and sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

LISTING

Standard: UL. Optional: Canada — CSA or cUL; Mexico — NOM.

WARRANTY

Guaranteed for one year against mechanical defects in manufacture.

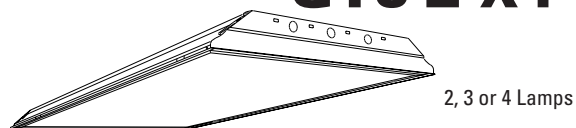
US patents: 6,210,025; 6,231,213; 2,288,471.

Specifications subject to change without notice.

Catalog Number	
Notes	Type

General Purpose T8 Troffer

GT8 2'x4'



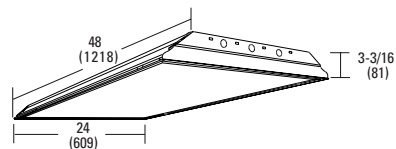
Specifications

Length: 48 (1218)

Width: 24 (609)

Depth: 3-3/16 (81)

Weight: 22 lbs (9.9 kg)



All dimensions are inches (millimeters).

ORDERING INFORMATION


For shortest lead times, configure product using **standard options (shown in bold)**.

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

2GT8	F	2	32	A12	MVOLT	GEB10IS	LP735
Series		Number of lamps		Door frame	Voltage	Options ²	
2GT8 2' wide		2 3 4 Not included.		(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	120 277 347 MVOLT Others available.	1/4 One 4-lamp ballast 1/3 One 3-lamp ballast GEB10IS Electronic ballast, ≤10% THD, instant start GEB10RS Electronic ballast, ≤10% THD, rapid start EL Emergency battery pack (nominal 300 lumens) EL14 Emergency battery pack (nominal 1400 lumens) GLR Internal fast-blow fuse GMF Internal slow-blow fuse LST Tandem-wired fixture pairs (shared ballasts) PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit LP_ Lamped, specify lamp type and color LP735 Lamped; 700-series, 3500K LP741 Lamped; 700-series, 4100K JP Palletized and stretch-wrapped without individual cartons; grid trim CSA CSA Certified NOM NOM Certified	
Trim type		Lamp type		Diffuser type			
(blank) Grid F Overlapping flanged		32 32W T8 (48")		A12 #12 pattern acrylic A12125 #12 pattern acrylic, .125" thick A19 #19 pattern acrylic, .156" thick A15 #15 pattern acrylic, .2" thick PC1S 1-1/2" x 1/2" x 1/2" plastic cube louver, silver PC2S 1-1/2" x 1-1/2" x 1" plastic cube louver, silver w/ flange ¹ PC3S 3/4" x 3/4" x 1/2" plastic cube louver, silver			

NOTES:

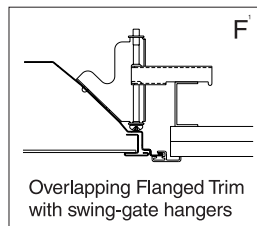
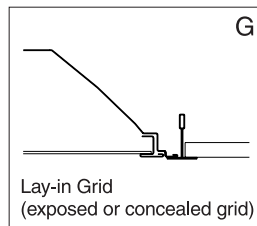
- Available with flush door frames only.
- MVOLT standard for 120-277V applications, 50-60 hz operation. Some options require voltage specified.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: 2GT8 F 2 32 A12 MVOLT GEB10IS LP735	Type: D6
Project: PAUL MITCHELL SCHOOLS	Notes:	

GT8 2'x4' Static T8 Troffer

MOUNTING DATA

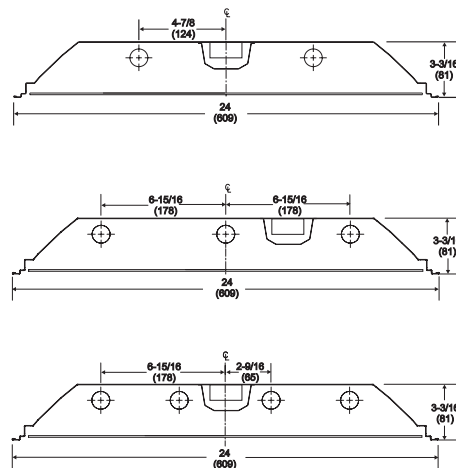
Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).



NOTE:

- 1 Recommended rough-in dimensions for F-trim fixtures 24"x48" (Tolerance is +1/4"-0"). Swing-gate range 1-3/16" to 3-15/16". Swing-gate span 23-3/8" to 26-11/16". Fixture swing-gate points require additional 1-1/16" over nominal fixture height.

DIMENSIONS



PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

2GT8 2 32 A12

Report LTL 7424

Lumens per lamp - 2850 - Lum. eff. - 81.7%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	97	97	97	95	95	95	91	91	91
1	89	86	82	87	84	81	80	78	76
2	82	75	70	80	74	69	71	67	63
3	75	67	60	73	65	59	63	58	54
4	69	59	52	67	58	52	56	51	46
5	63	53	46	62	52	46	51	45	40
6	59	48	41	47	47	40	46	40	35
7	54	44	37	53	43	36	42	36	31
8	51	40	33	49	39	33	38	32	28
9	47	37	30	46	36	30	35	29	25
10	44	34	27	43	33	27	32	27	23

2GT8 3 32 A12 1/3

Report LTL 7421

Lumens per lamp - 2850 - Lum. eff. - 80.1%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	95	95	95	93	93	93	89	89	89
1	88	84	81	85	82	79	79	76	74
2	80	74	69	78	72	68	70	66	62
3	74	66	59	72	64	58	62	57	53
4	68	58	52	66	57	51	55	50	46
5	62	52	45	61	52	45	50	44	40
6	58	47	40	56	47	40	45	39	35
7	54	43	36	52	42	36	41	35	31
8	50	39	33	49	39	32	38	32	28
9	47	36	30	45	36	29	35	29	25
10	44	33	27	43	33	27	32	27	23

2GT8 4 32 A12 1/4

Report LTL 7425

Lumens per lamp - 2850 - Lum. eff. - 78.6%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	94	94	94	91	91	91	87	87	87
1	86	82	79	84	81	78	77	75	73
2	79	73	68	77	71	67	68	64	61
3	72	64	58	70	63	57	61	56	52
4	66	57	51	65	56	50	54	49	45
5	61	51	45	60	51	44	49	43	39
6	57	47	40	55	46	39	44	39	34
7	53	42	36	51	42	35	40	35	31
8	49	39	32	48	38	32	37	31	27
9	46	35	29	45	35	29	34	29	25
10	43	33	27	42	32	27	32	26	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1372	24.1	29.4
0-40	2277	39.9	48.9
0-60	3907	68.5	83.9
0-90	4658	81.7	100.0
90-180	0	0	0
0-180	4658	81.7	100.0

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2066	24.2	30.2
0-40	3412	39.9	49.8
0-60	5768	67.5	84.2
0-90	6851	80.1	100.0
90-180	0	0	0
0-180	6851	80.1	100.0

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2718	23.8	30.3
0-40	4481	39.3	50.0
0-60	7553	66.3	84.2
0-90	8965	78.6	100.0
90-180	0	0	0
0-180	8965	78.6	100.0

Energy (Calculated in accordance with NEMA standard LE-5)

LER.FL	ANNUAL ENERGY COST*	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	WATTS
73	\$3.29	(2) 32W T8	2850	.90	58
70	\$3.43	(3) 32W T8	2850	.87	85
73	\$3.29	(4) 32W T8	2850	.88	109

* Comparative yearly lighting energy cost per 1000 lumens



Sheet #: GT8-2x4

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Lithonia Lighting

Fluorescent

One Lithonia Way, Conyers, GA 30012

Phone: 800-858-7763 Fax: 770-929-8789

www.lithonia.com

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: 2GT8 F 3 32 A12 MVOLT 1/3 GEB10IS LP735	Type: D6F
Project: PAUL MITCHELL SCHOOLS	Notes:	



FEATURES & SPECIFICATIONS

INTENDED USE

Low-profile static luminaire provides general illumination for recessed applications; ideal for restricted plenum spaces.

ATTRIBUTES

Designed exclusively for use with T8 lamps, electronic ballasts and sockets.

CONSTRUCTION

Smooth hemmed sides and smooth, inward formed end flanges for safe handling. Lighter weight fixture allows for safe, easy installation.

Standard steel door frame has superior structural integrity with premium extruded appearance and precision flush mitered corners. Steel door allows easy lens replacement without frame disassembly (for lenses up to .156" thick). Powder painted, steel latches provide easy, secure door closure.

Superior mechanical light seal requires no foam gasketing. Integral T-bar clips secure fixture to T-bar system. Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized. No asbestos is used in this product.

FINISH

Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Standard ballast is electronic, thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast, universal voltage and sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

LISTING

Standard: UL. Optional: Canada — CSA or cUL; Mexico — NOM.

WARRANTY

Guaranteed for one year against mechanical defects in manufacture.

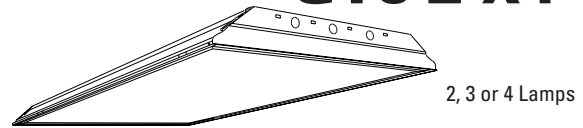
US patents: 6,210,025; 6,231,213; 2,288,471.

Specifications subject to change without notice.

Catalog Number
Notes
Type

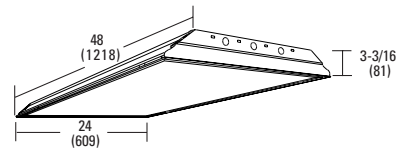
General Purpose T8 Troffer

GT8 2'x4'



Specifications

Length: 48 (1218)
Width: 24 (609)
Depth: 3-3/16 (81)
Weight: 22 lbs (9.9 kg)



All dimensions are inches (millimeters).

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

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

2GT8	F	3	32	A12	MVOLT	1/3 GEB10IS LP735
Series		Number of lamps	Door frame		Voltage	Options ²
2GT8 2' wide		2 3 4 Not included.	(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		120 277 347 MVOLT Others available.	1/4 One 4-lamp ballast 1/3 One 3-lamp ballast GEB10IS Electronic ballast, ≤10% THD, instant start GEB10RS Electronic ballast, ≤10% THD, rapid start EL Emergency battery pack (nominal 300 lumens) EL14 Emergency battery pack (nominal 1400 lumens) GLR Internal fast-blow fuse GMF Internal slow-blow fuse LST Tandem-wired fixture pairs (shared ballasts) PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit LP_ Lamped, specify lamp type and color LP735 Lamped; 700-series, 3500K LP741 Lamped; 700-series, 4100K JP Palletized and stretch-wrapped without individual cartons; grid trim CSA CSA Certified NOM NOM Certified
Trim type		Lamp type		Diffuser type		
(blank) Grid F Overlapping flanged		32 32W T8 (48")		A12 #12 pattern acrylic A12125 #12 pattern acrylic, .125" thick A19 #19 pattern acrylic, .156" thick A15 #15 pattern acrylic, .2" thick PC1S 1-1/2" x 1/2" x 1/2" plastic cube louver, silver PC2S 1-1/2" x 1-1/2" x 1" plastic cube louver, silver w/ flange ¹ PC3S 3/4" x 3/4" x 1/2" plastic cube louver, silver		

NOTES:

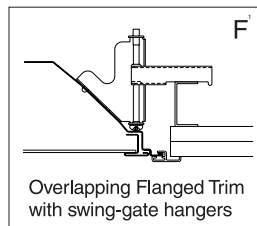
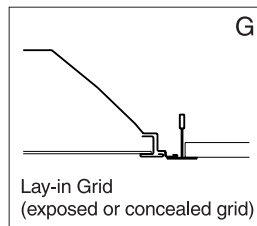
- Available with flush door frames only.
- MVOLT standard for 120-277V applications, 50-60 hz operation. Some options require voltage specified.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: 2GT8 F 3 32 A12 MVOLT 1/3 GEB10IS LP735	Type: D6F
Project: PAUL MITCHELL SCHOOLS	Notes:	

GT8 2'x4' Static T8 Troffer

MOUNTING DATA

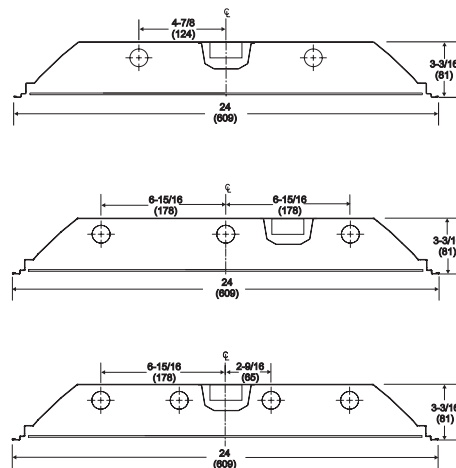
Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).



NOTE:

- 1 Recommended rough-in dimensions for F-trim fixtures 24"x48" (Tolerance is +1/4"-0"). Swing-gate range 1-3/16" to 3-15/16". Swing-gate span 23-3/8" to 26-11/16". Fixture swing-gate points require additional 1-1/16" over nominal fixture height.

DIMENSIONS



PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

2GT8 2 32 A12

Report LTL 7424

Lumens per lamp - 2850 - Lum. eff. - 81.7%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	97	97	97	95	95	95	91	91	91
1	89	86	82	87	84	81	80	78	76
2	82	75	70	80	74	69	71	67	63
3	75	67	60	73	65	59	63	58	54
4	69	59	52	67	58	52	56	51	46
5	63	53	46	62	52	46	51	45	40
6	59	48	41	47	47	40	46	40	35
7	54	44	37	53	43	36	42	36	31
8	51	40	33	49	39	33	38	32	28
9	47	37	30	46	36	30	35	29	25
10	44	34	27	43	33	27	32	27	23

2GT8 3 32 A12 1/3

Report LTL 7421

Lumens per lamp - 2850 - Lum. eff. - 80.1%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	95	95	95	93	93	93	89	89	89
1	88	84	81	85	82	79	79	76	74
2	80	74	69	78	72	68	70	66	62
3	74	66	59	72	64	58	62	57	53
4	68	58	52	66	57	51	55	50	46
5	62	52	45	61	52	45	50	44	40
6	58	47	40	56	47	40	45	39	35
7	54	43	36	52	42	36	41	35	31
8	50	39	33	49	39	32	38	32	28
9	47	36	30	45	36	29	35	29	25
10	44	33	27	43	33	27	32	27	23

2GT8 4 32 A12 1/4

Report LTL 7425

Lumens per lamp - 2850 - Lum. eff. - 78.6%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	94	94	94	91	91	91	87	87	87
1	86	82	79	84	81	78	77	75	73
2	79	73	68	77	71	67	68	64	61
3	72	64	58	70	63	57	61	56	52
4	66	57	51	65	56	50	54	49	45
5	61	51	45	60	51	44	49	43	39
6	57	47	40	55	46	39	44	39	34
7	53	42	36	51	42	35	40	35	31
8	49	39	32	48	38	32	37	31	27
9	46	35	29	45	35	29	34	29	25
10	43	33	27	42	32	27	32	26	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1372	24.1	29.4
0-40	2277	39.9	48.9
0-60	3907	68.5	83.9
0-90	4658	81.7	100.0
90-180	0	0	0
0-180	4658	81.7	100.0

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2066	24.2	30.2
0-40	3412	39.9	49.8
0-60	5768	67.5	84.2
0-90	6851	80.1	100.0
90-180	0	0	0
0-180	6851	80.1	100.0

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2718	23.8	30.3
0-40	4481	39.3	50.0
0-60	7553	66.3	84.2
0-90	8965	78.6	100.0
90-180	0	0	0
0-180	8965	78.6	100.0

Energy (Calculated in accordance with NEMA standard LE-5)

LER.FL	ANNUAL ENERGY COST*	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	WATTS
73	\$3.29	(2) 32W T8	2850	.90	58
70	\$3.43	(3) 32W T8	2850	.87	85
73	\$3.29	(4) 32W T8	2850	.88	109

* Comparative yearly lighting energy cost per 1000 lumens



Sheet #: GT8-2x4

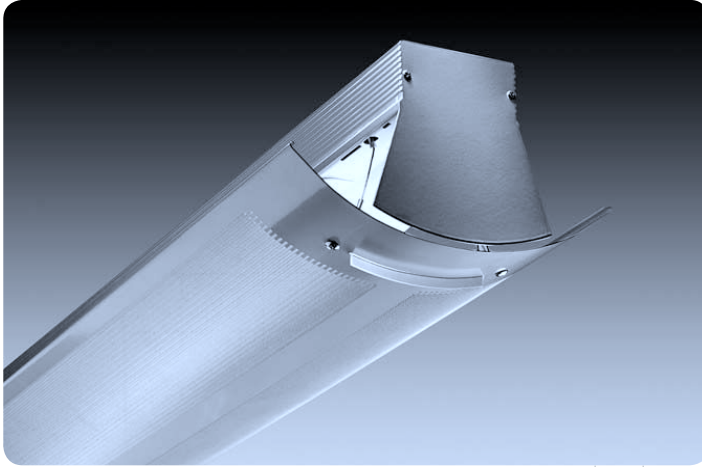
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Lithonia Lighting
Fluorescent

One Lithonia Way, Conyers, GA 30012
Phone: 800-858-7763 Fax: 770-929-8789
www.lithonia.com

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: FEVS CT 2T8 2CT UNV CA24 TS	Type: G16
Project: PAUL MITCHELL SCHOOLS	Notes: 16FT RUNS	

tab & spine evolution™



features

Suspended or surface linear direct/indirect fluorescent with perforated shielding.

Ribbed aluminum housing creates distinctive aesthetic.

Perforated shield includes micro-perforations for soft illumination

Visible lamps and sockets create an industrial aesthetic.

shielding options

tab



blue

green

clear

spine

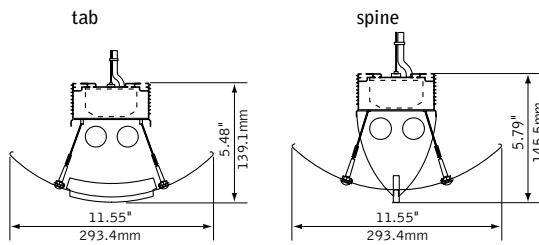


blue

green

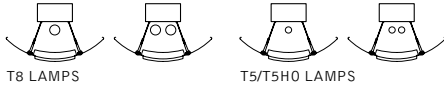
clear

dimensional data

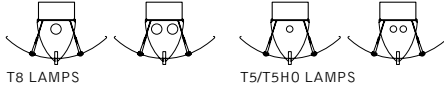


lamping options

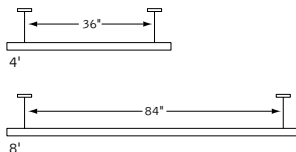
tab



spine

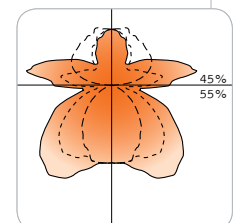


fixture information



performance

Acrylic Blue Tab
2-Lamp T8
41% Efficiency
477 cd @ 35°



Visit focalpointlights.com for complete photometric data.

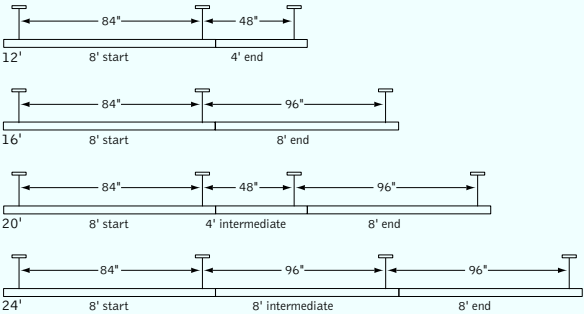
july 2008

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: FEVS CT 2T8 2CT UNV CA24 TS	Type: G16
Project: PAUL MITCHELL SCHOOLS	Notes: 16FT RUNS	

fixture:

project:

suspension information



Consult factory for additional row length information.

specifications

construction

One-piece, .090" thick channel housing of 6063-T6 extruded aluminum.
22 Ga. steel ballast cover allows for easy access to ballast.
Tab or Spine acrylic insert are mechanically attached to perforated shield.
For row installation, die-formed 18 Ga. steel internal coupler mechanically fastens to adjoining luminaires, forming hairline joint.
All luminaires are provided with single point aircraft cable suspension.

4' unit weight: 13 lbs.
8' unit weight: 23 lbs.

optic

Tab and Spine shielding: two bands 5.75"W x 41.25"L round perforations with white acrylic insert.
Round perforations are .0625" dia on .125" centers.

electrical

Luminaires are pre-wired with factory installed branch circuit wiring with over-molded quick connects.
Factory installed SJT power cord at feed location is included.
Electronic ballasts are thermally protected and have a Class "P" rating.
Optional dimming ballasts available.
UL and cUL listed.

finish

Polyester powder coat applied over a 5-stage pretreatment.
Extruded aluminum channel, perforated shield and steel end caps are painted with powder coat paint finish Titanium Silver.
Canopy finished in Matte Satin White.

ordering

luminaire series		FEVS
Evolution	FEVS	CT
shielding		
Acrylic Blue Tab	BT	
Acrylic Green Tab	GT	
Acrylic Clear Tab	CT	
Acrylic Blue Spine	BS	
Acrylic Green Spine	GS	
Acrylic Clear Spine	CS	2T8
lampping		
One Lamp T8	1T8	
One Lamp T5	1T5	
One Lamp T5H0	1T5H0	
Two Lamp T8	2T8	
Two Lamp T5	2T5	
Two Lamp T5H0	2T5H0	2CT
circuits		
Single Circuit	1C	
Dual Circuit	2C	UNV
(Multiple lamp luminaires only)		
voltage		
120 Volt	120	
277 Volt	277	
347 Volt	347	
ballast		
Electronic Instant Start <20% THD (T8 only)	E	
Electronic Program Start <10% THD	S	
Electronic Dimming Ballast*	D	CA24
mounting		
24" Cable Suspension	C24	
48" Cable Suspension	C48	
96" Cable Suspension (Specify "J" in place of "C" for 5" dia. canopies at power feed and 2" dia canopies at non-feed locations) (Consult factory for sloped ceiling applications)	C96	
Ceiling Surface Mount	SM	
Stem Mount (specify stem length in inches Standard stem lengths 6, 12, 18, 24, 36, 48". Stem painted white unless otherwise specified)	S__	
factory options		
Emergency Circuit*	EC	
Emergency Battery Pack*	EM	
HLR/GLR Fuse	FU	
Include 3000K Lamp	L830	
Include 3500K Lamp	L835	
Include 4100K Lamp	L841	
finish		TS
Titanium Silver	TS	
luminaire length		
4' Nominal Housing	4'	
8' Nominal Housing	8'	
12' (8'+4')	12'	
16' (8'+8')	16'	
20' (8'+4'+8')	20'	
24' (8'+8'+8')	24'	
(Longer run lengths available; consult factory for availability.)		

* for more information see Reference section.

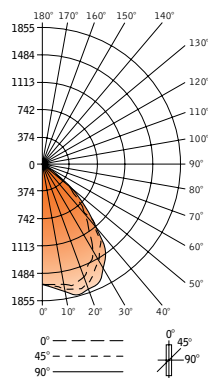
Focal Point LLC | 4141 S. Pulaski Rd, Chicago, IL 60632 | T: 773.247.9494 | F: 773.247.9484 | info@focalpointlights.com | www.focalpointlights.com
Focal Point LLC reserves the right to change specifications for product improvement without notification.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: FEVS CT 2T8 2CT UNV CA24 TS	Type: G16
Project: PAUL MITCHELL SCHOOLS	Notes: 16FT RUNS	

louver evolution™



CANDLEPOWER DISTRIBUTION



Spacing 1.2
Criterion: 1.4

Vertical Angle	0°	22.5°	45°	67.5°	90°	Zonal Lumens
0°	1667	1667	1667	1667	1667	
5°	1660	1671	1686	1718	1723	162
15°	1654	1732	1796	1855	1865	506
25°	1464	1584	1703	1799	1821	779
35°	1210	1327	1456	1525	1511	890
45°	843	953	978	912	829	712
55°	193	272	357	296	243	256
65°	33	35	35	50	30	38
75°	10	10	13	18	20	15
85°	3	6	11	23	30	15
90°	0	5	13	30	37	
95°	0	3	15	33	44	20
105°	1	6	22	42	52	26
115°	7	13	23	35	42	24
125°	12	16	23	28	33	20
135°	22	22	25	27	28	19
145°	38	28	30	30	30	19
155°	40	30	30	32	30	15
165°	42	38	34	32	30	10
175°	40	40	40	38	37	4
180°	40	40	40	40	40	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0°-30°	1446	25.4	41.0
0°-90°	3373	59.2	95.6
90°-130°	89	1.6	2.5
90°-180°	156	2.7	4.4
Total Luminaire	0°-180°		

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	6367	7387	6261
55°	1797	3324	2263
65°	417	442	379
75°	206	268	413
85°	184	674	1838

CO-EFFICIENTS OF UTILIZATION

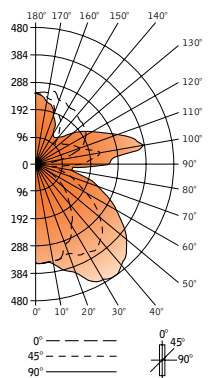
Floor	Ceiling	Wall	RCR	0	96	96	96	96	86	86	86	67	67	50	50	30	10	50	10	50	10	35	35	28
1																								
2	88	85	81	79					79	76	71			60	57			46	44			32	31	25
3																								
4	81	75	70	66					73	68	60			54	49			42	38			30	28	23
5																								
6	75	67	61	56					67	61	52			49	43			38	34			28	25	21
7																								
8	69	60	53	48					62	54	45			44	37			34	30			25	23	19
9																								
10	64	54	47	42					57	49	39			40	33			31	26			23	20	17

Go to www.focalpointlights.com for additional photometric data.

tab & spine evolution™



CANDLEPOWER DISTRIBUTION



Spacing 1.2
Criterion: 1.8

Vertical Angle	0°	22.5°	45°	67.5°	90°	Zonal Lumens
0°	344	344	344	344	344	
5°	346	346	346	346	346	33
15°	340	342	345	369	383	101
25°	288	289	351	423	452	166
35°	228	252	366	449	477	223
45°	154	205	327	410	441	240
55°	97	147	252	336	366	217
65°	43	76	169	250	285	164
75°	15	42	100	156	180	105
85°	0	34	61	112	130	74
90°	0	81	166	231	249	
95°	13	96	193	246	270	185
105°	129	76	199	307	349	217
115°	186	73	148	229	267	168
125°	207	108	120	174	199	136
135°	217	163	97	129	145	110
145°	232	187	148	115	112	98
155°	243	213	193	171	162	90
165°	264	253	229	217	216	67
175°	252	250	249	244	243	24
180°	248	248	248	248	248	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0°-30°	299	5.1	12.4
0°-90°	1321	22.4	54.7
90°-130°	706	12.0	29.2
90°-180°	1094	18.5	45.3
Total Luminaire	0°-180°	2415	40.9 100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	594	964	1300
55°	461	832	1208
65°	27	656	1107
75°	158	490	882
85°	0	422	899

CO-EFFICIENTS OF UTILIZATION

Floor	80				70		20		30		10		00	
Ceiling	70	50	30	10	70	50	10	50	30	10	50	10	00	
Wall	70	50	30	10	70	50	10	50	30	10	50	10	00	
RCR 0	44	44	44	44	41	41	41	35	35	30	30	25	25	22
1	40	38	37	353	7	36	33	30	28	26	24	21	20	18
2	37	33	31	28	34	31	27	27	23	23	20	19	17	15
3	33329	26	24		31	27	22	23	20	17	17	14	13	
4	30	26	22	20	28	24	19	21	17	18	14	15	12	11
5	28	23	19	17	26	21	16	18	14	16	12	13	10	09
6	25	20	17	14	24	19	14	16	12	14	11	12	09	08
7	23	18	15	13	22	17	12	15	10	13	09	11	08	07
8	22	16+	13	11	20	15	10	13	09	11	08	09	07	06
9	20	15	12	09	18	14	09	12	08	10	07	08	06	05
10	19	13	10	08	17	13	08	11	07	09	06	08	05	04

Go to www.focalpointlights.com for additional photometric data.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: VW300I M6	Type: H
Project: PAUL MITCHELL SCHOOLS	Notes:	



PRODUCT DATA SHEET

Product Overview

Utility wall-, ceiling- or pendant-mounted fixtures for general-purpose applications. Incandescent, fluorescent, metal halide or high pressure sodium sources.

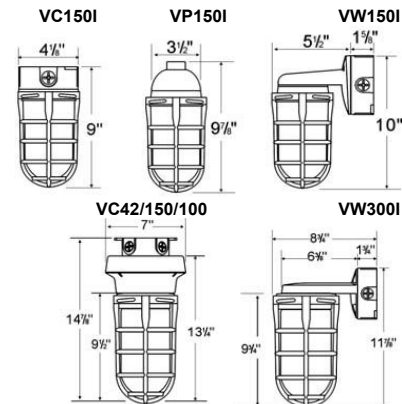
Construction

Rugged die-cast aluminum housing with heavy-duty glass globe. 3/4" threaded knockouts allow for side or top conduit entry. Gray finish.

Features

Designed for easy installation and maintenance. Prismatic globe for even distribution. Junction box included.

UTILITY VAPOR TIGHTS



Listings


Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards.

Warranty

Fixtures are covered by Lithonia Lighting 12-month warranty against mechanical defects in manufacture.

Catalog #	Description	Dimensions (L x W x D; inches)	Fixture Weight (lbs.)	Pallet Quantity
Wall mount				
VW300I	300W incandescent, lamp not included	11-7/8 x 5-3/4 x 8-3/4	2.50	72
VW150I	150W incandescent, lamp not included	10 x 4-1/2 x 7-1/4	2.56	192
VW42L	42W compact fluorescent, lamp included	11-7/8 x 5-3/4 x 8-3/4	5.70	36
VW150SL	150W high pressure sodium, lamp included	15-1/2 x 7 x 8-3/4	9.65	36
VW100ML	100W metal halide, lamp included	15-1/2 x 7 x 8-3/4	9.65	36
Ceiling mount				
VC300I	300W incandescent, lamp not included	11-3/8 x 5-3/4 x 5-3/4	2.20	144
VC150I	150W incandescent, lamp not included	9 x 4-1/2 x 4-1/2	2.25	288
VC42L	42W compact fluorescent, lamp included	11-3/8 x 5-3/4 x 5-3/4	5.24	48
VC150SL	150W high pressure sodium, lamp included	14-7/8 x 7 x 7	8.50	48
VC100ML	100W metal halide, lamp included	14-7/8 x 7 x 7	8.50	48
Pendant mount				
VP300I	300W incandescent, lamp not included	12-1/8 x 5-3/4 x 5-3/4	1.95	144
VP150I	150W incandescent, lamp not included	9-7/8 x 4-1/2 x 4-1/2	2.00	288
VP42L	42W compact fluorescent, lamp included	12-1/8 x 5-3/4 x 5-3/4	5.52	72
VP150SL	150W high pressure sodium, lamp included	13-1/4 x 7 x 7	7.60	72
VP100ML	100W metal halide, lamp included	13-1/4 x 7 x 7	7.60	72



Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: CLM 2 32 MVOLT GEB10IS	Type: J3-4
Project: PAUL MITCHELL SCHOOLS	Notes: 4 FT SINGLE RUN	



FEATURES & SPECIFICATIONS

ATTRIBUTES

Choice of high impact, vandal-resistant acrylic, prismatic diffuser or Holophane® #7101-A injection-molded acrylic diffuser. **Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)**

End of diffuser includes decorative white injection-molded end caps.

Pyramidal prisms minimize lamp image.

Spring pin diffuser support prevents accidental opening and simplifies maintenance.

Channel includes hemmed edges.

Ballast cover secured by 1/4 turn fasteners; no tools required.

Twist and lock anti-vibration lampholders.

Available in tandem-wired lengths.

Guaranteed for one year against mechanical defects in manufacture.

CONSTRUCTION

Metal parts are die-formed from code gauge steel. Diffuser is 100% acrylic. No asbestos used in this product.

Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Sound rated A. Standard combinations are CBM approved and conform to UL 935.

FINISH

High-gloss, baked white enamel finish. Five-stage, iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout rated for required temperatures.

ENERGY

Luminaire Efficacy Rating (LER) and Annual Energy Cost:

Two-lamp LER.FW = 77. Annual Energy Cost = \$3.12.

Based on 32W T8 lamp, 2850 lumens, and energy-saving electronic ballast. Ballast factor = .88, input watts = 58.

Calculated in accordance with NEMA standard LE-5.

LISTING

UL listed to US and Canadian safety standards (see Options). NOM Certified (see Options).

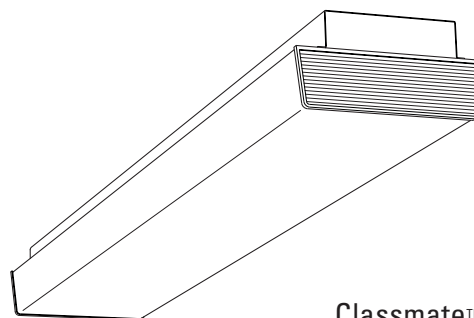
Specifications subject to change without notice.

Catalog Number	
Notes	Type

Wraparound

CLM

4' and 8' Lengths
1, 2 and 3 Lamps



Classmate™

Specification Wraparound

ORDERING INFORMATION

Example: **TCLM 2 32 277 1/4 GEB**

CLM	2	32		MVOLT	GEB10IS
Series	Number of lamps	Lamp type	Diffusertype ¹	Voltage	Options
CLM 8-5/8" wide	1 2 3 Not included.	32 32W T8 (48") 40 40W T12 (48")	(blank) High impact prismatic IM Injection-molded Holophane #7101	120 277 347 Others available.	GEB Electronic ballast, ≤ 20%THD GEB10IS Electronic ballast, ≤ 10% THD, instant start 1/3 One 3-lamp ballast 1/4 One 4-lamp ballast 2/3 Two 3-lamp ballasts EL Self-contained emergency inverter CSA Listed and labeled to comply with Canadian Standards NOM NOM Certified

For tandem, double-length unit, add prefix T. Example: **TCLM**. Two 4' diffusers provided on 8' units.

Accessories


Order as separate item.

SQ Swivel-stem hanger (specify length in 2" increments).

1B Ceiling spacer adjusts from 1-1/2" to 2-1/2" from ceiling.

NOTE:

1 Diffuser ships separate from fixture.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: CLM 2 32 MVOLT GEB10IS	Type: J3-4
Project: PAUL MITCHELL SCHOOLS	Notes: 4 FT SINGLE RUN	

CLM Wraparound

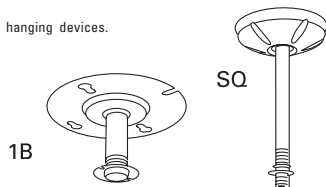
MOUNTING DATA

For unit or row installation, surface or stem mounting.

Unit installation — Two single-stem hangers required.

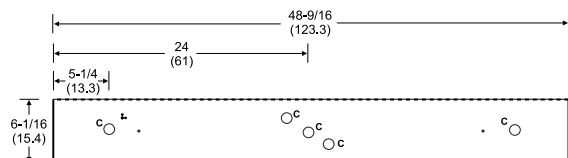
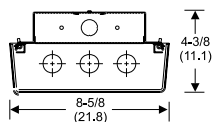
Row installation — One hanger per fixture plus one per row required.

See ACCESSORIES below for hanging devices.

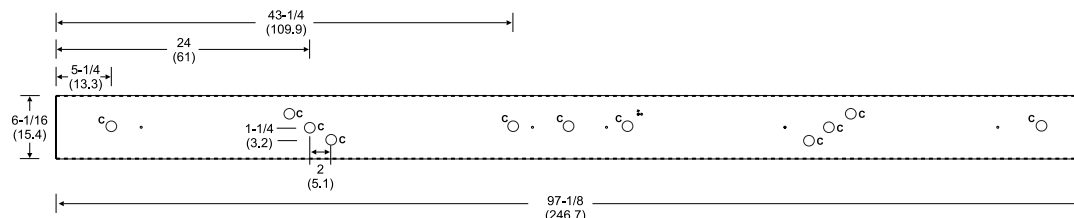


DIMENSIONS

Inches (centimeters). Subject to change without notice.



C = 7/8 (2.2) diameter K.O.



PHOTOMETRICS

CLM 1 32

Report LTL 6998 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.6

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	89	89	89	86	86	86	80	80	80
1	81	78	75	78	75	73	71	69	67
2	75	69	64	72	67	63	63	59	56
3	69	62	56	66	60	55	57	52	49
4	63	55	49	61	54	48	51	46	42
5	58	49	43	56	48	42	45	40	36
6	54	44	38	52	43	37	41	36	32
7	50	40	34	48	39	33	37	32	28
8	46	36	30	44	35	29	33	28	24
9	42	32	26	41	31	26	30	25	21
10	39	29	23	38	29	23	27	22	19

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	494	17.3	20.7
0-40	846	29.7	35.4
0-60	1463	51.3	61.1
0-90	1912	67.1	79.9
90-180	480	16.9	20.1
0-180	2392	83.9	100.0

CLM 2 32

Report LTL 7085 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.5

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	98	98	98	90	90	90
1	92	87	83	87	83	79	76	73	71
2	83	75	69	79	72	67	67	62	58
3	76	66	59	72	64	57	59	53	49
4	70	59	51	66	57	49	52	46	42
5	64	53	45	61	51	43	47	41	36
6	59	47	40	56	46	38	42	36	32
7	55	43	35	52	41	34	39	32	28
8	51	39	32	49	38	31	35	29	25
9	48	36	29	45	35	28	32	27	22
10	44	33	26	43	32	25	30	24	20

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1089	19.1	21.5
0-40	1831	32.1	36.2
0-60	3122	54.8	61.6
0-90	4148	72.8	81.9
90-180	915	16.1	18.1
0-180	5164	88.8	100.0

CLM 2 32 IM

Report LTL 7084 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.7


Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	101	101	101	97	97	97	89	89	89
1	92	88	84	88	84	81	78	75	73
2	84	77	72	80	74	69	68	64	61
3	77	68	62	73	66	60	61	56	52
4	71	61	54	67	59	52	54	49	44
5	65	54	47	62	52	46	49	43	39
6	60	49	42	57	47	40	44	38	34
7	56	44	37	53	43	36	40	34	30
8	52	40	33	50	39	32	37	31	27
9	48	37	30	46	36	29	34	28	24
10	45	34	27	43	33	27	31	25	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1152	20.2	23.0
0-40	2001	35.1	39.9
0-60	3396	59.6	67.8
0-90	4078	71.5	81.4
90-180	934	16.4	18.6
0-180	5011	87.9	100.0



Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: TCLM 2 32 MVOLT GEB10IS	Type: J3-8
Project: PAUL MITCHELL SCHOOLS	Notes: 8FT SINGLE RUN	



FEATURES & SPECIFICATIONS

ATTRIBUTES

Choice of high impact, vandal-resistant acrylic, prismatic diffuser or Holophane® #7101-A injection-molded acrylic diffuser. **Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)**

End of diffuser includes decorative white injection-molded end caps.

Pyramidal prisms minimize lamp image.

Spring pin diffuser support prevents accidental opening and simplifies maintenance.

Channel includes hemmed edges.

Ballast cover secured by 1/4 turn fasteners; no tools required.

Twist and lock anti-vibration lampholders.

Available in tandem-wired lengths.

Guaranteed for one year against mechanical defects in manufacture.

CONSTRUCTION

Metal parts are die-formed from code gauge steel. Diffuser is 100% acrylic. No asbestos used in this product.

Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Sound rated A. Standard combinations are CBM approved and conform to UL 935.

FINISH

High-gloss, baked white enamel finish. Five-stage, iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout rated for required temperatures.

ENERGY

Luminaire Efficacy Rating (LER) and Annual Energy Cost:

Two-lamp LER.FW = 77. Annual Energy Cost = \$3.12.

Based on 32W T8 lamp, 2850 lumens, and energy-saving electronic ballast. Ballast factor = .88, input watts = 58.

Calculated in accordance with NEMA standard LE-5.

LISTING

UL listed to US and Canadian safety standards (see Options). NOM Certified (see Options).

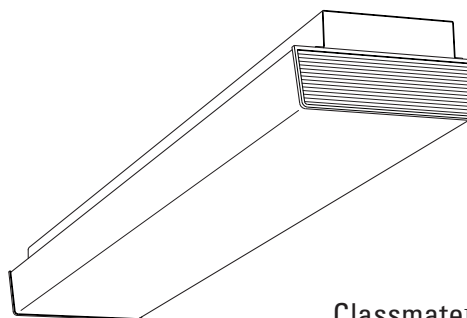
Specifications subject to change without notice.

Catalog Number	
Notes	Type

Wraparound

CLM

4' and 8' Lengths
1, 2 and 3 Lamps



Classmate™

Specification Wraparound

ORDERING INFORMATION

Example: **TCLM 2 32 277 1/4 GEB**

TCLM	2	32		MVOLT	GEB10IS
Series	Number of lamps	Lamp type	Diffusertype ¹	Voltage	Options
CLM 8-5/8" wide	1 2 3 Not included.	32 32W T8 (48") 40 40W T12 (48")	(blank) High impact prismatic IM Injection-molded Holophane #7101	120 277 347 Others available.	GEB Electronic ballast, ≤ 20%THD GEB10IS Electronic ballast, ≤ 10% THD, instant start 1/3 One 3-lamp ballast 1/4 One 4-lamp ballast 2/3 Two 3-lamp ballasts EL Self-contained emergency inverter CSA Listed and labeled to comply with Canadian Standards NOM NOM Certified

For tandem, double-length unit, add prefix T. Example: **TCLM. Two 4' diffusers provided on 8' units.**

Accessories


Order as separate item.

SQ Swivel-stem hanger (specify length in 2" increments).

1B Ceiling spacer adjusts from 1-1/2" to 2-1/2" from ceiling.

NOTE:

1 Diffuser ships separate from fixture.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: TCLM 2 32 MVOLT GEB10IS	Type: J3-8
Project: PAUL MITCHELL SCHOOLS	Notes: 8FT SINGLE RUN	

CLM Wraparound

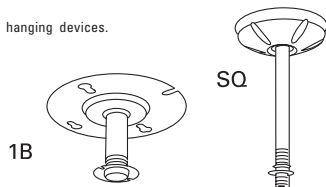
MOUNTING DATA

For unit or row installation, surface or stem mounting.

Unit installation — Two single-stem hangers required.

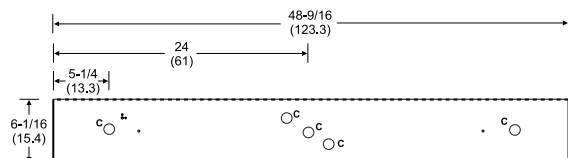
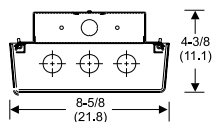
Row installation — One hanger per fixture plus one per row required.

See ACCESSORIES below for hanging devices.

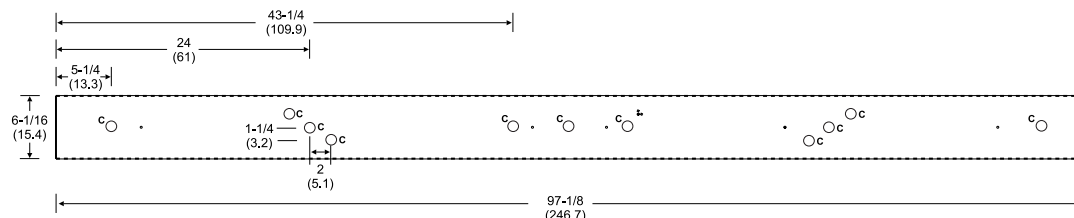


DIMENSIONS

Inches (centimeters). Subject to change without notice.



C = 7/8 (2.2) diameter K.O.



PHOTOMETRICS

CLM 1 32

Report LTL 6998 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.6

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	89	89	89	86	86	86	80	80	80
1	81	78	75	78	75	73	71	69	67
2	75	69	64	72	67	63	63	59	56
3	69	62	56	66	60	55	57	52	49
4	63	55	49	61	54	48	51	46	42
5	58	49	43	56	48	42	45	40	36
6	54	44	38	52	43	37	41	36	32
7	50	40	34	48	39	33	37	32	28
8	46	36	30	44	35	29	33	28	24
9	42	32	26	41	31	26	30	25	21
10	39	29	23	38	29	23	27	22	19

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	494	17.3	20.7
0-40	846	29.7	35.4
0-60	1463	51.3	61.1
0-90	1912	67.1	79.9
90-180	480	16.9	20.1
0-180	2392	83.9	100.0

CLM 2 32

Report LTL 7085 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.5

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	98	98	98	90	90	90
1	92	87	83	87	83	79	76	73	71
2	83	75	69	79	72	67	67	62	58
3	76	66	59	72	64	57	59	53	49
4	70	59	51	66	57	49	52	46	42
5	64	53	45	61	51	43	47	41	36
6	59	47	40	56	46	38	42	36	32
7	55	43	35	52	41	34	39	32	28
8	51	39	32	49	38	31	35	29	25
9	48	36	29	45	35	28	32	27	22
10	44	33	26	43	32	25	30	24	20

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1089	19.1	21.5
0-40	1831	32.1	36.2
0-60	3122	54.8	61.6
0-90	4148	72.8	81.9
90-180	915	16.1	18.1
0-180	5164	88.8	100.0

CLM 2 32 IM

Report LTL 7084 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.7


Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	101	101	101	97	97	97	89	89	89
1	92	88	84	88	84	81	78	75	73
2	84	77	72	80	74	69	68	64	61
3	77	68	62	73	66	60	61	56	52
4	71	61	54	67	59	52	54	49	44
5	65	54	47	62	52	46	49	43	39
6	60	49	42	57	47	40	44	38	34
7	56	44	37	53	43	36	40	34	30
8	52	40	33	50	39	32	37	31	27
9	48	37	30	46	36	29	34	28	24
10	45	34	27	43	33	27	31	25	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1152	20.2	23.0
0-40	2001	35.1	39.9
0-60	3396	59.6	67.8
0-90	4078	71.5	81.4
90-180	934	16.4	18.6
0-180	5011	87.9	100.0



Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: TCLM 2 32 MVOLT GEB10IS TILW	Type: J3-12
Project: PAUL MITCHELL SCHOOLS	Notes: 12' RUNS IN BOARD/OUTBOARD SWITCH	



FEATURES & SPECIFICATIONS

ATTRIBUTES

Choice of high impact, vandal-resistant acrylic, prismatic diffuser or Holophane® #7101-A injection-molded acrylic diffuser. **Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)**

End of diffuser includes decorative white injection-molded end caps.

Pyramidal prisms minimize lamp image.

Spring pin diffuser support prevents accidental opening and simplifies maintenance.

Channel includes hemmed edges.

Ballast cover secured by 1/4 turn fasteners; no tools required.

Twist and lock anti-vibration lampholders.

Available in tandem-wired lengths.

Guaranteed for one year against mechanical defects in manufacture.

CONSTRUCTION

Metal parts are die-formed from code gauge steel. Diffuser is 100% acrylic. No asbestos used in this product.

Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Sound rated A. Standard combinations are CBM approved and conform to UL 935.

FINISH

High-gloss, baked white enamel finish. Five-stage, iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout rated for required temperatures.

ENERGY

Luminaire Efficacy Rating (LER) and Annual Energy Cost:

Two-lamp LER.FW = 77. Annual Energy Cost = \$3.12.

Based on 32W T8 lamp, 2850 lumens, and energy-saving electronic ballast. Ballast factor = .88, input watts = 58.

Calculated in accordance with NEMA standard LE-5.

LISTING

UL listed to US and Canadian safety standards (see Options). NOM Certified (see Options).

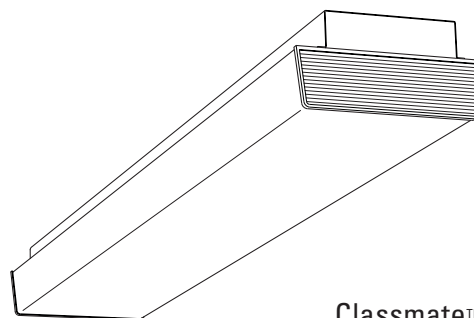
Specifications subject to change without notice.

Catalog Number	
Notes	Type

Wraparound

CLM

4' and 8' Lengths
1, 2 and 3 Lamps



Classmate™

Specification Wraparound

ORDERING INFORMATION

Example: **TCLM 2 32 277 1/4 GEB**

TCLM	2	32		MVOLT	GEB10IS TILW
Series	Number of lamps	Lamp type	Diffusertype ¹	Voltage	Options
CLM 8-5/8" wide	1 2 3 Not included.	32 32W T8 (48") 40 40W T12 (48")	(blank) High impact prismatic IM Injection-molded Holophane #7101	120 277 347 Others available.	GEB Electronic ballast, ≤ 20%THD GEB10IS Electronic ballast, ≤ 10% THD, instant start 1/3 One 3-lamp ballast 1/4 One 4-lamp ballast 2/3 Two 3-lamp ballasts EL Self-contained emergency inverter CSA Listed and labeled to comply with Canadian Standards NOM NOM Certified

For tandem, double-length unit, add prefix T. Example: **TCLM. Two 4' diffusers provided on 8' units.**

Accessories


Order as separate item.

SQ Swivel-stem hanger (specify length in 2" increments).

1B Ceiling spacer adjusts from 1-1/2" to 2-1/2" from ceiling.

NOTE:

1 Diffuser ships separate from fixture.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: TCLM 2 32 MVOLT GEB10IS TILW	Type: J3-12
Project: PAUL MITCHELL SCHOOLS	Notes: 12' RUNS IN BOARD/OUTBOARD SWITCH	

CLM Wraparound

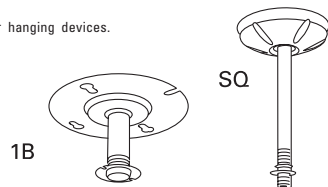
MOUNTING DATA

For unit or row installation, surface or stem mounting.

Unit installation — Two single-stem hangers required.

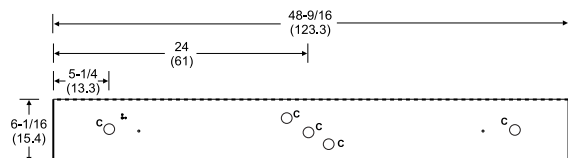
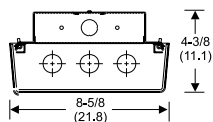
Row installation — One hanger per fixture plus one per row required.

See ACCESSORIES below for hanging devices.

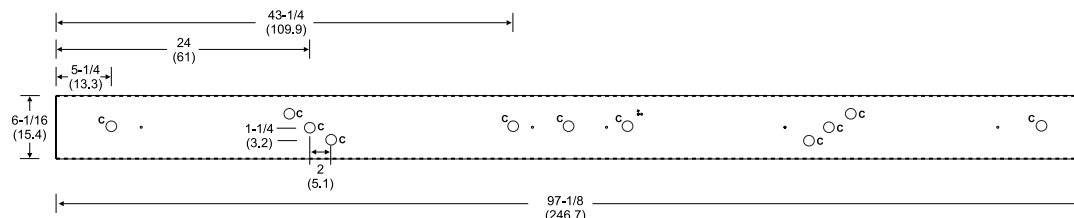


DIMENSIONS

Inches (centimeters). Subject to change without notice.



C = 7/8 (2.2) diameter K.O.



PHOTOMETRICS

CLM 132

Report LTL 6998 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.6

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	89	89	89	86	86	86	80	80	80
1	81	78	75	78	75	73	71	69	67
2	75	69	64	72	67	63	63	59	56
3	69	62	56	66	60	55	57	52	49
4	63	55	49	61	54	48	51	46	42
5	58	49	43	56	48	42	45	40	36
6	54	44	38	52	43	37	41	36	32
7	50	40	34	48	39	33	37	32	28
8	46	36	30	44	35	29	33	28	24
9	42	32	26	41	31	26	30	25	21
10	39	29	23	38	29	23	27	22	19

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	494	17.3	20.7
0-40	846	29.7	35.4
0-60	1463	51.3	61.1
0-90	1912	67.1	79.9
90-180	480	16.9	20.1
0-180	2392	83.9	100.0

CLM 232

Report LTL 7085 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.5

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	98	98	98	90	90	90
1	92	87	83	87	83	79	76	73	71
2	83	75	69	79	72	67	67	62	58
3	76	66	59	72	64	57	59	53	49
4	70	59	51	66	57	49	52	46	42
5	64	53	45	61	51	43	47	41	36
6	59	47	40	56	46	38	42	36	32
7	55	43	35	52	41	34	39	32	28
8	51	39	32	49	38	31	35	29	25
9	48	36	29	45	35	28	32	27	22
10	44	33	26	43	32	25	30	24	20

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1089	19.1	21.5
0-40	1831	32.1	36.2
0-60	3122	54.8	61.6
0-90	4148	72.8	81.9
90-180	915	16.1	18.1
0-180	5164	88.8	100.0

CLM 232 IM

Report LTL 7084 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.7

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	101	101	101	97	97	97	89	89	89
1	92	88	84	88	84	81	78	75	73
2	84	77	72	80	74	69	68	64	61
3	77	68	62	73	66	60	61	56	52
4	71	61	54	67	59	52	54	49	44
5	65	54	47	62	52	46	49	43	39
6	60	49	42	57	47	40	44	38	34
7	56	44	37	53	43	36	40	34	30
8	52	40	33	50	39	32	37	31	27
9	48	37	30	46	36	29	34	28	24
10	45	34	27	43	33	27	31	25	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1152	20.2	23.0
0-40	2001	35.1	39.9
0-60	3396	59.6	67.8
0-90	4078	71.5	81.4
90-180	934	16.4	18.6
0-180	5011	87.9	100.0



An Acuity Brands Company

Sheet #: CLM

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Lithonia Lighting

Fluorescent

One Lithonia Way, Conyers, GA 30012

Phone: 800-858-7763 Fax: 770-929-8789

www.lithonia.com

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: CLM 2 32 MVOLT GEB10IS	Type: J3-12
Project: PAUL MITCHELL SCHOOLS	Notes: 12' RUNS IN BOARD/OUTBOARD SWITCH	



FEATURES & SPECIFICATIONS

ATTRIBUTES

Choice of high impact, vandal-resistant acrylic, prismatic diffuser or Holophane® #7101-A injection-molded acrylic diffuser. **Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)**

End of diffuser includes decorative white injection-molded end caps.

Pyramidal prisms minimize lamp image.

Spring pin diffuser support prevents accidental opening and simplifies maintenance.

Channel includes hemmed edges.

Ballast cover secured by 1/4 turn fasteners; no tools required.

Twist and lock anti-vibration lampholders.

Available in tandem-wired lengths.

Guaranteed for one year against mechanical defects in manufacture.

CONSTRUCTION

Metal parts are die-formed from code gauge steel. Diffuser is 100% acrylic. No asbestos used in this product.

Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Sound rated A. Standard combinations are CBM approved and conform to UL 935.

FINISH

High-gloss, baked white enamel finish. Five-stage, iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout rated for required temperatures.

ENERGY

Luminaire Efficacy Rating (LER) and Annual Energy Cost:

Two-lamp LER.FW = 77. Annual Energy Cost = \$3.12.

Based on 32W T8 lamp, 2850 lumens, and energy-saving electronic ballast. Ballast factor = .88, input watts = 58.

Calculated in accordance with NEMA standard LE-5.

LISTING

UL listed to US and Canadian safety standards (see Options). NOM Certified (see Options).

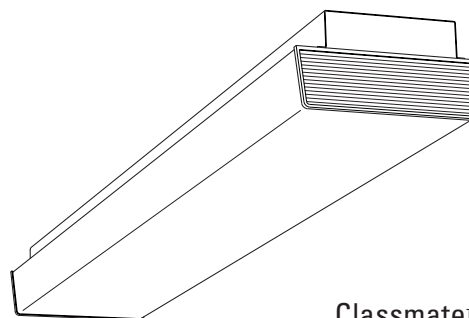
Specifications subject to change without notice.

Catalog Number	
Notes	Type

Wraparound

CLM

4' and 8' Lengths
1, 2 and 3 Lamps



Classmate™

Specification Wraparound

ORDERING INFORMATION

Example: **TCLM 2 32 277 1/4 GEB**

CLM	2	32		MVOLT	GEB10IS
Series	Number of lamps	Lamp type	Diffusertype ¹	Voltage	Options
CLM 8-5/8" wide	1 2 3 Not included.	32 32W T8 (48") 40 40W T12 (48")	(blank) High impact prismatic IM Injection-molded Holophane #7101	120 277 347 Others available.	GEB Electronic ballast, ≤ 20%THD GEB10IS Electronic ballast, ≤ 10% THD, instant start 1/3 One 3-lamp ballast 1/4 One 4-lamp ballast 2/3 Two 3-lamp ballasts EL Self-contained emergency inverter CSA Listed and labeled to comply with Canadian Standards NOM NOM Certified

For tandem, double-length unit, add prefix T. Example: **TCLM**. Two 4' diffusers provided on 8' units.

Accessories


Order as separate item.

SQ Swivel-stem hanger (specify length in 2" increments).

1B Ceiling spacer adjusts from 1-1/2" to 2-1/2" from ceiling.

NOTE:

1 Diffuser ships separate from fixture.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: CLM 2 32 MVOLT GEB10IS	Type: J3-12
Project: PAUL MITCHELL SCHOOLS	Notes: 12' RUNS IN BOARD/OUTBOARD SWITCH	

CLM Wraparound

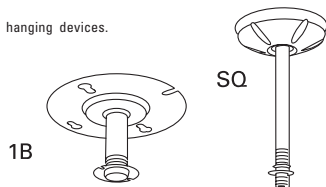
MOUNTING DATA

For unit or row installation, surface or stem mounting.

Unit installation — Two single-stem hangers required.

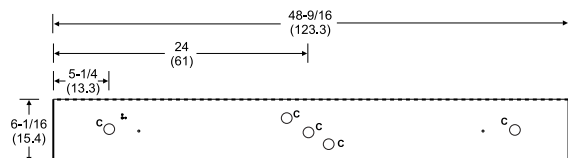
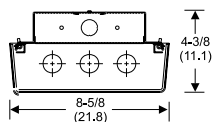
Row installation — One hanger per fixture plus one per row required.

See ACCESSORIES below for hanging devices.

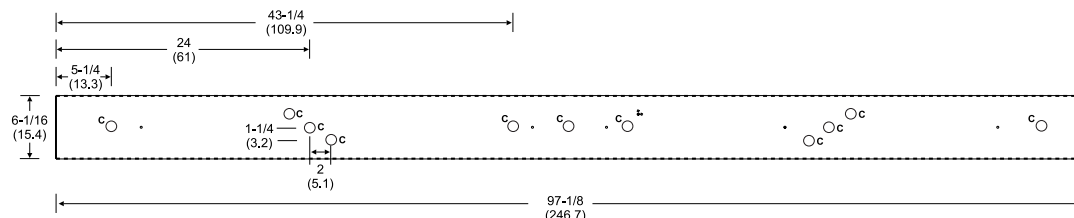


DIMENSIONS

Inches (centimeters). Subject to change without notice.



C = 7/8 (2.2) diameter K.O.



PHOTOMETRICS

CLM 1 32

Report LTL 6998 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.6

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	89	89	89	86	86	86	80	80	80
1	81	78	75	78	75	73	71	69	67
2	75	69	64	72	67	63	63	59	56
3	69	62	56	66	60	55	57	52	49
4	63	55	49	61	54	48	51	46	42
5	58	49	43	56	48	42	45	40	36
6	54	44	38	52	43	37	41	36	32
7	50	40	34	48	39	33	37	32	28
8	46	36	30	44	35	29	33	28	24
9	42	32	26	41	31	26	30	25	21
10	39	29	23	38	29	23	27	22	19

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	494	17.3	20.7
0-40	846	29.7	35.4
0-60	1463	51.3	61.1
0-90	1912	67.1	79.9
90-180	480	16.9	20.1
0-180	2392	83.9	100.0

CLM 2 32

Report LTL 7085 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.5

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	98	98	98	90	90	90
1	92	87	83	87	83	79	76	73	71
2	83	75	69	79	72	67	67	62	58
3	76	66	59	72	64	57	59	53	49
4	70	59	51	66	57	49	52	46	42
5	64	53	45	61	51	43	47	41	36
6	59	47	40	56	46	38	42	36	32
7	55	43	35	52	41	34	39	32	28
8	51	39	32	49	38	31	35	29	25
9	48	36	29	45	35	28	32	27	22
10	44	33	26	43	32	25	30	24	20

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1089	19.1	21.5
0-40	1831	32.1	36.2
0-60	3122	54.8	61.6
0-90	4148	72.8	81.9
90-180	915	16.1	18.1
0-180	5164	88.8	100.0

CLM 2 32 IM

Report LTL 7084 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.7


Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	101	101	101	97	97	97	89	89	89
1	92	88	84	88	84	81	78	75	73
2	84	77	72	80	74	69	68	64	61
3	77	68	62	73	66	60	61	56	52
4	71	61	54	67	59	52	54	49	44
5	65	54	47	62	52	46	49	43	39
6	60	49	42	57	47	40	44	38	34
7	56	44	37	53	43	36	40	34	30
8	52	40	33	50	39	32	37	31	27
9	48	37	30	46	36	29	34	28	24
10	45	34	27	43	33	27	31	25	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1152	20.2	23.0
0-40	2001	35.1	39.9
0-60	3396	59.6	67.8
0-90	4078	71.5	81.4
90-180	934	16.4	18.6
0-180	5011	87.9	100.0



Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: TCLM 2 32 MVOLT GEB10IS TILW	Type: J3-20
Project: PAUL MITCHELL SCHOOLS	Notes: 20' RUNS IN BOARD/OUTBOARD SWITCH	



FEATURES & SPECIFICATIONS

ATTRIBUTES

Choice of high impact, vandal-resistant acrylic, prismatic diffuser or Holophane® #7101-A injection-molded acrylic diffuser. **Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)**

End of diffuser includes decorative white injection-molded end caps.

Pyramidal prisms minimize lamp image.

Spring pin diffuser support prevents accidental opening and simplifies maintenance.

Channel includes hemmed edges.

Ballast cover secured by 1/4 turn fasteners; no tools required.

Twist and lock anti-vibration lampholders.

Available in tandem-wired lengths.

Guaranteed for one year against mechanical defects in manufacture.

CONSTRUCTION

Metal parts are die-formed from code gauge steel. Diffuser is 100% acrylic. No asbestos used in this product.

Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Sound rated A. Standard combinations are CBM approved and conform to UL 935.

FINISH

High-gloss, baked white enamel finish. Five-stage, iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout rated for required temperatures.

ENERGY

Luminaire Efficacy Rating (LER) and Annual Energy Cost:

Two-lamp LER.FW = 77. Annual Energy Cost = \$3.12.

Based on 32W T8 lamp, 2850 lumens, and energy-saving electronic ballast. Ballast factor = .88, input watts = 58.

Calculated in accordance with NEMA standard LE-5.

LISTING

UL listed to US and Canadian safety standards (see Options). NOM Certified (see Options).

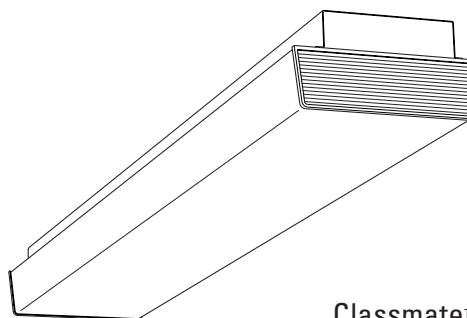
Specifications subject to change without notice.

Catalog Number	
Notes	Type

Wraparound

CLM

4' and 8' Lengths
1, 2 and 3 Lamps



Classmate™

Specification Wraparound

ORDERING INFORMATION

Example: **TCLM 2 32 277 1/4 GEB**

TCLM	2	32		MVOLT	GEB10IS TILW
Series	Number of lamps	Lamp type	Diffusertype ¹	Voltage	Options
CLM 8-5/8" wide	1 2 3 Not included.	32 32W T8 (48") 40 40W T12 (48")	(blank) High impact prismatic IM Injection-molded Holophane #7101	120 277 347 Others available.	GEB Electronic ballast, ≤ 20%THD GEB10IS Electronic ballast, ≤ 10% THD, instant start 1/3 One 3-lamp ballast 1/4 One 4-lamp ballast 2/3 Two 3-lamp ballasts EL Self-contained emergency inverter CSA Listed and labeled to comply with Canadian Standards NOM NOM Certified

For tandem, double-length unit, add prefix T. Example: **TCLM. Two 4' diffusers provided on 8' units.**

Accessories


Order as separate item.

SQ Swivel-stem hanger (specify length in 2" increments).

1B Ceiling spacer adjusts from 1-1/2" to 2-1/2" from ceiling.

NOTE:

1 Diffuser ships separate from fixture.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: TCLM 2 32 MVOLT GEB10IS TILW	Type: J3-20
Project: PAUL MITCHELL SCHOOLS	Notes: 20' RUNS IN BOARD/OUTBOARD SWITCH	

CLM Wraparound

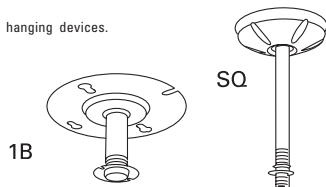
MOUNTING DATA

For unit or row installation, surface or stem mounting.

Unit installation — Two single-stem hangers required.

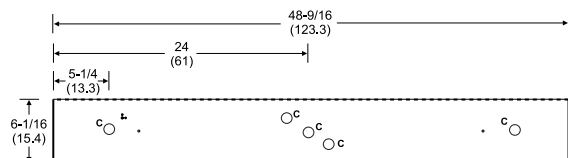
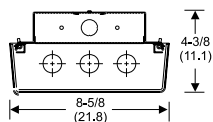
Row installation — One hanger per fixture plus one per row required.

See ACCESSORIES below for hanging devices.

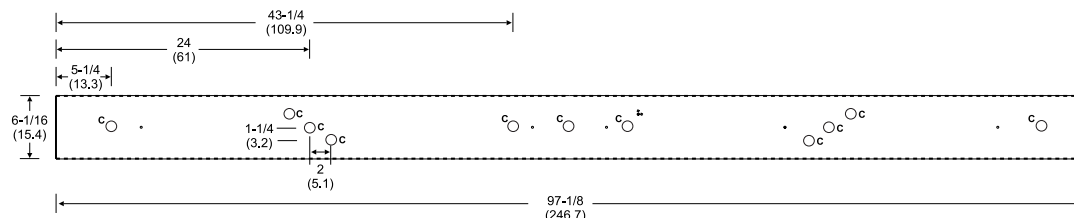


DIMENSIONS

Inches (centimeters). Subject to change without notice.



C = 7/8 (2.2) diameter K.O.



PHOTOMETRICS

CLM 1 32

Report LTL 6998 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.6

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	89	89	89	86	86	86	80	80	80
1	81	78	75	78	75	73	71	69	67
2	75	69	64	72	67	63	63	59	56
3	69	62	56	66	60	55	57	52	49
4	63	55	49	61	54	48	51	46	42
5	58	49	43	56	48	42	45	40	36
6	54	44	38	52	43	37	41	36	32
7	50	40	34	48	39	33	37	32	28
8	46	36	30	44	35	29	33	28	24
9	42	32	26	41	31	26	30	25	21
10	39	29	23	38	29	23	27	22	19

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	494	17.3	20.7
0-40	846	29.7	35.4
0-60	1463	51.3	61.1
0-90	1912	67.1	79.9
90-180	480	16.9	20.1
0-180	2392	83.9	100.0

CLM 2 32

Report LTL 7085 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.5

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	98	98	98	90	90	90
1	92	87	83	87	83	79	76	73	71
2	83	75	69	79	72	67	67	62	58
3	76	66	59	72	64	57	59	53	49
4	70	59	51	66	57	49	52	46	42
5	64	53	45	61	51	43	47	41	36
6	59	47	40	56	46	38	42	36	32
7	55	43	35	52	41	34	39	32	28
8	51	39	32	49	38	31	35	29	25
9	48	36	29	45	35	28	32	27	22
10	44	33	26	43	32	25	30	24	20

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1089	19.1	21.5
0-40	1831	32.1	36.2
0-60	3122	54.8	61.6
0-90	4148	72.8	81.9
90-180	915	16.1	18.1
0-180	5164	88.8	100.0

CLM 2 32 IM

Report LTL 7084 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.7

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	101	101	101	97	97	97	89	89	89
1	92	88	84	88	84	81	78	75	73
2	84	77	72	80	74	69	68	64	61
3	77	68	62	73	66	60	61	56	52
4	71	61	54	67	59	52	54	49	44
5	65	54	47	62	52	46	49	43	39
6	60	49	42	57	47	40	44	38	34
7	56	44	37	53	43	36	40	34	30
8	52	40	33	50	39	32	37	31	27
9	48	37	30	46	36	29	34	28	24
10	45	34	27	43	33	27	31	25	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1152	20.2	23.0
0-40	2001	35.1	39.9
0-60	3396	59.6	67.8
0-90	4078	71.5	81.4
90-180	934	16.4	18.6
0-180	5011	87.9	100.0



An Acuity Brands Company

Sheet #: CLM

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Lithonia Lighting

Fluorescent

One Lithonia Way, Conyers, GA 30012

Phone: 800-858-7763 Fax: 770-929-8789

www.lithonia.com

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: CLM 2 32 MVOLT GEB10IS	Type: J3-20
Project: PAUL MITCHELL SCHOOLS	Notes: 20' RUNS IN BOARD/OUTBOARD SWITCH	



FEATURES & SPECIFICATIONS

ATTRIBUTES

Choice of high impact, vandal-resistant acrylic, prismatic diffuser or Holophane® #7101-A injection-molded acrylic diffuser. **Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)**

End of diffuser includes decorative white injection-molded end caps.

Pyramidal prisms minimize lamp image.

Spring pin diffuser support prevents accidental opening and simplifies maintenance.

Channel includes hemmed edges.

Ballast cover secured by 1/4 turn fasteners; no tools required.

Twist and lock anti-vibration lampholders.

Available in tandem-wired lengths.

Guaranteed for one year against mechanical defects in manufacture.

CONSTRUCTION

Metal parts are die-formed from code gauge steel. Diffuser is 100% acrylic. No asbestos used in this product.

Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Sound rated A. Standard combinations are CBM approved and conform to UL 935.

FINISH

High-gloss, baked white enamel finish. Five-stage, iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout rated for required temperatures.

ENERGY

Luminaire Efficacy Rating (LER) and Annual Energy Cost:

Two-lamp LER.FW = 77. Annual Energy Cost = \$3.12.

Based on 32W T8 lamp, 2850 lumens, and energy-saving electronic ballast. Ballast factor = .88, input watts = 58.

Calculated in accordance with NEMA standard LE-5.

LISTING

UL listed to US and Canadian safety standards (see Options). NOM Certified (see Options).

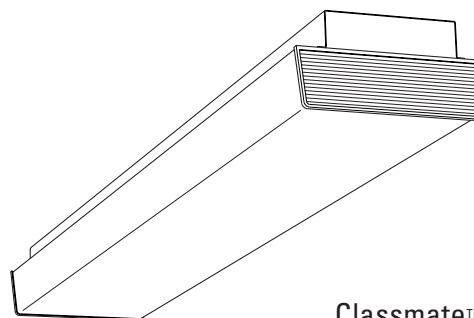
Specifications subject to change without notice.

Catalog Number	
Notes	Type

Wraparound

CLM

4' and 8' Lengths
1, 2 and 3 Lamps



Classmate™

Specification Wraparound

ORDERING INFORMATION

Example: **TCLM 2 32 277 1/4 GEB**

CLM	2	32		MVOLT	GEB10IS
Series	Number of lamps	Lamp type	Diffusertype ¹	Voltage	Options
CLM 8-5/8" wide	1 2 3 Not included.	32 32W T8 (48") 40 40W T12 (48")	(blank) High impact prismatic IM Injection-molded Holophane #7101	120 277 347 Others available.	GEB Electronic ballast, ≤ 20%THD GEB10IS Electronic ballast, ≤ 10% THD, instant start 1/3 One 3-lamp ballast 1/4 One 4-lamp ballast 2/3 Two 3-lamp ballasts EL Self-contained emergency inverter CSA Listed and labeled to comply with Canadian Standards NOM NOM Certified

For tandem, double-length unit, add prefix T. Example: **TCLM**. Two 4' diffusers provided on 8' units.

Accessories


Order as separate item.

SQ Swivel-stem hanger (specify length in 2" increments).

1B Ceiling spacer adjusts from 1-1/2" to 2-1/2" from ceiling.

NOTE:

1 Diffuser ships separate from fixture.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: CLM 2 32 MVOLT GEB10IS	Type: J3-20
Project: PAUL MITCHELL SCHOOLS	Notes: 20' RUNS IN BOARD/OUTBOARD SWITCH	

CLM Wraparound

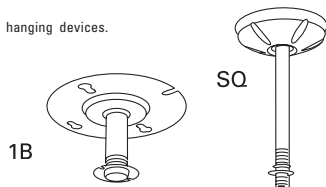
MOUNTING DATA

For unit or row installation, surface or stem mounting.

Unit installation — Two single-stem hangers required.

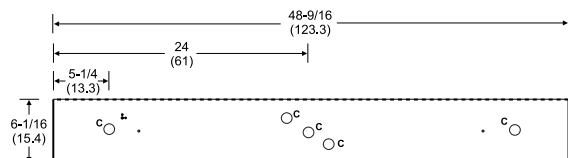
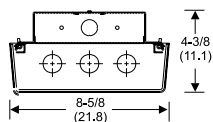
Row installation — One hanger per fixture plus one per row required.

See ACCESSORIES below for hanging devices.

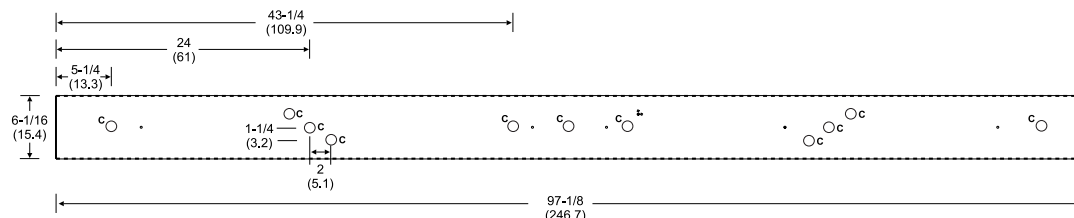


DIMENSIONS

Inches (centimeters). Subject to change without notice.



C = 7/8 (2.2) diameter K.O.



PHOTOMETRICS

CLM 1 32

Report LTL 6998 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.6

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	89	89	89	86	86	86	80	80	80
1	81	78	75	78	75	73	71	69	67
2	75	69	64	72	67	63	63	59	56
3	69	62	56	66	60	55	57	52	49
4	63	55	49	61	54	48	51	46	42
5	58	49	43	56	48	42	45	40	36
6	54	44	38	52	43	37	41	36	32
7	50	40	34	48	39	33	37	32	28
8	46	36	30	44	35	29	33	28	24
9	42	32	26	41	31	26	30	25	21
10	39	29	23	38	29	23	27	22	19

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	494	17.3	20.7
0-40	846	29.7	35.4
0-60	1463	51.3	61.1
0-90	1912	67.1	79.9
90-180	480	16.9	20.1
0-180	2392	83.9	100.0

CLM 2 32

Report LTL 7085 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.5

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	98	98	98	90	90	90
1	92	87	83	87	83	79	76	73	71
2	83	75	69	79	72	67	67	62	58
3	76	66	59	72	64	57	59	53	49
4	70	59	51	66	57	49	52	46	42
5	64	53	45	61	51	43	47	41	36
6	59	47	40	56	46	38	42	36	32
7	55	43	35	52	41	34	39	32	28
8	51	39	32	49	38	31	35	29	25
9	48	36	29	45	35	28	32	27	22
10	44	33	26	43	32	25	30	24	20

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1089	19.1	21.5
0-40	1831	32.1	36.2
0-60	3122	54.8	61.6
0-90	4148	72.8	81.9
90-180	915	16.1	18.1
0-180	5164	88.8	100.0

CLM 2 32 IM

Report LTL 7084 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.7


Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	101	101	101	97	97	97	89	89	89
1	92	88	84	88	84	81	78	75	73
2	84	77	72	80	74	69	68	64	61
3	77	68	62	73	66	60	61	56	52
4	71	61	54	67	59	52	54	49	44
5	65	54	47	62	52	46	49	43	39
6	60	49	42	57	47	40	44	38	34
7	56	44	37	53	43	36	40	34	30
8	52	40	33	50	39	32	37	31	27
9	48	37	30	46	36	29	34	28	24
10	45	34	27	43	33	27	31	25	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1152	20.2	23.0
0-40	2001	35.1	39.9
0-60	3396	59.6	67.8
0-90	4078	71.5	81.4
90-180	934	16.4	18.6
0-180	5011	87.9	100.0



Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: TCLM 2 32 MVOLT GEB10IS TILW	Type: J3-30
Project: PAUL MITCHELL SCHOOLS	Notes: 32' RUNS IN BOARD/OUTBOARD SWITCH	



FEATURES & SPECIFICATIONS

ATTRIBUTES

Choice of high impact, vandal-resistant acrylic, prismatic diffuser or Holophane® #7101-A injection-molded acrylic diffuser. **Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)**

End of diffuser includes decorative white injection-molded end caps.

Pyramidal prisms minimize lamp image.

Spring pin diffuser support prevents accidental opening and simplifies maintenance.

Channel includes hemmed edges.

Ballast cover secured by 1/4 turn fasteners; no tools required.

Twist and lock anti-vibration lampholders.

Available in tandem-wired lengths.

Guaranteed for one year against mechanical defects in manufacture.

CONSTRUCTION

Metal parts are die-formed from code gauge steel. Diffuser is 100% acrylic. No asbestos used in this product.

Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Sound rated A. Standard combinations are CBM approved and conform to UL 935.

FINISH

High-gloss, baked white enamel finish. Five-stage, iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout rated for required temperatures.

ENERGY

Luminaire Efficacy Rating (LER) and Annual Energy Cost:

Two-lamp LER.FW = 77. Annual Energy Cost = \$3.12.

Based on 32W T8 lamp, 2850 lumens, and energy-saving electronic ballast. Ballast factor = .88, input watts = 58.

Calculated in accordance with NEMA standard LE-5.

LISTING

UL listed to US and Canadian safety standards (see Options). NOM Certified (see Options).

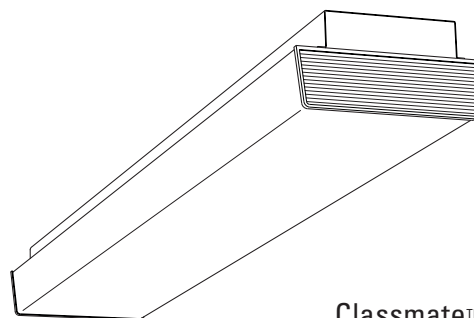
Specifications subject to change without notice.

Catalog Number	
Notes	Type

Wraparound

CLM

4' and 8' Lengths
1, 2 and 3 Lamps



Classmate™

Specification Wraparound

ORDERING INFORMATION

Example: **TCLM 2 32 277 1/4 GEB**

TCLM	2	32	MVOLT	GEB10IS TILW
Series	Number of lamps	Lamp type	Diffusertype ¹	Voltage
CLM 8-5/8" wide	1 2 3 Not included.	32 32W T8 (48") 40 40W T12 (48")	(blank) High impact prismatic IM Injection-molded Holophane #7101	120 277 347 Others available.
Options				
GEB Electronic ballast, ≤ 20%THD				
GEB10IS Electronic ballast, ≤ 10% THD, instant start				
1/3 One 3-lamp ballast				
1/4 One 4-lamp ballast				
2/3 Two 3-lamp ballasts				
EL Self-contained emergency inverter				
CSA Listed and labeled to comply with Canadian Standards				
NOM NOM Certified				

Accessories


Order as separate item.

SQ Swivel-stem hanger (specify length in 2" increments).

1B Ceiling spacer adjusts from 1-1/2" to 2-1/2" from ceiling.

NOTE:

1 Diffuser ships separate from fixture.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: TCLM 2 32 MVOLT GEB10IS TILW	Type: J3-30
Project: PAUL MITCHELL SCHOOLS	Notes: 32' RUNS IN BOARD/OUTBOARD SWITCH	

CLM Wraparound

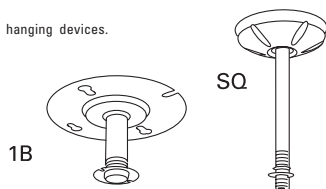
MOUNTING DATA

For unit or row installation, surface or stem mounting.

Unit installation — Two single-stem hangers required.

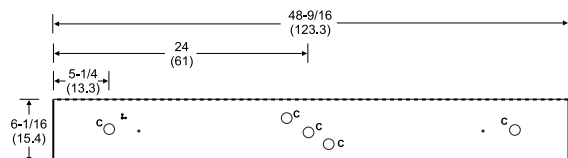
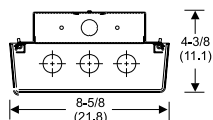
Row installation — One hanger per fixture plus one per row required.

See ACCESSORIES below for hanging devices.

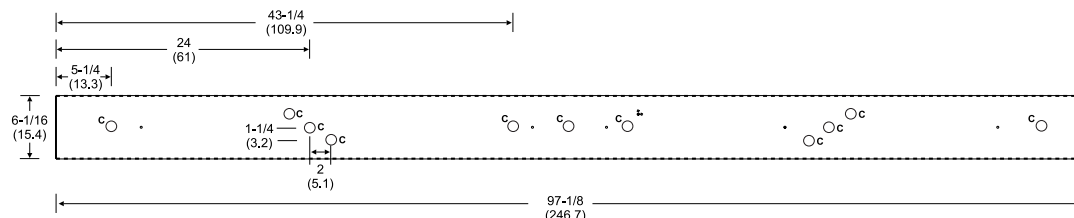


DIMENSIONS

Inches (centimeters). Subject to change without notice.



C = 7/8 (2.2) diameter K.O.



PHOTOMETRICS

CLM 1 32

Report LTL 6998 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.6

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	89	89	89	86	86	86	80	80	80
1	81	78	75	78	75	73	71	69	67
2	75	69	64	72	67	63	63	59	56
3	69	62	56	66	60	55	57	52	49
4	63	55	49	61	54	48	51	46	42
5	58	49	43	56	48	42	45	40	36
6	54	44	38	52	43	37	41	36	32
7	50	40	34	48	39	33	37	32	28
8	46	36	30	44	35	29	33	28	24
9	42	32	26	41	31	26	30	25	21
10	39	29	23	38	29	23	27	22	19

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	494	17.3	20.7
0-40	846	29.7	35.4
0-60	1463	51.3	61.1
0-90	1912	67.1	79.9
90-180	480	16.9	20.1
0-180	2392	83.9	100.0

CLM 2 32

Report LTL 7085 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.5

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	98	98	98	90	90	90
1	92	87	83	87	83	79	76	73	71
2	83	75	69	79	72	67	67	62	58
3	76	66	59	72	64	57	59	53	49
4	70	59	51	66	57	49	52	46	42
5	64	53	45	61	51	43	47	41	36
6	59	47	40	56	46	38	42	36	32
7	55	43	35	52	41	34	39	32	28
8	51	39	32	49	38	31	35	29	25
9	48	36	29	45	35	28	32	27	22
10	44	33	26	43	32	25	30	24	20

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1089	19.1	21.5
0-40	1831	32.1	36.2
0-60	3122	54.8	61.6
0-90	4148	72.8	81.9
90-180	915	16.1	18.1
0-180	5164	88.8	100.0

CLM 2 32 IM

Report LTL 7084 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.7


Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	101	101	101	97	97	97	89	89	89
1	92	88	84	88	84	81	78	75	73
2	84	77	72	80	74	69	68	64	61
3	77	68	62	73	66	60	61	56	52
4	71	61	54	67	59	52	54	49	44
5	65	54	47	62	52	46	49	43	39
6	60	49	42	57	47	40	44	38	34
7	56	44	37	53	43	36	40	34	30
8	52	40	33	50	39	32	37	31	27
9	48	37	30	46	36	29	34	28	24
10	45	34	27	43	33	27	31	25	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1152	20.2	23.0
0-40	2001	35.1	39.9
0-60	3396	59.6	67.8
0-90	4078	71.5	81.4
90-180	934	16.4	18.6
0-180	5011	87.9	100.0



Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: TCLM 2 32 MVOLT GEB10IS TILW	Type: J3-44
Project: PAUL MITCHELL SCHOOLS	Notes: 44' RUNS IN BOARD/OUTBOARD SWITCH	



FEATURES & SPECIFICATIONS

ATTRIBUTES

Choice of high impact, vandal-resistant acrylic, prismatic diffuser or Holophane® #7101-A injection-molded acrylic diffuser. **Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)**

End of diffuser includes decorative white injection-molded end caps.

Pyramidal prisms minimize lamp image.

Spring pin diffuser support prevents accidental opening and simplifies maintenance.

Channel includes hemmed edges.

Ballast cover secured by 1/4 turn fasteners; no tools required.

Twist and lock anti-vibration lampholders.

Available in tandem-wired lengths.

Guaranteed for one year against mechanical defects in manufacture.

CONSTRUCTION

Metal parts are die-formed from code gauge steel. Diffuser is 100% acrylic. No asbestos used in this product.

Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Sound rated A. Standard combinations are CBM approved and conform to UL 935.

FINISH

High-gloss, baked white enamel finish. Five-stage, iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout rated for required temperatures.

ENERGY

Luminaire Efficacy Rating (LER) and Annual Energy Cost:

Two-lamp LER.FW = 77. Annual Energy Cost = \$3.12.

Based on 32W T8 lamp, 2850 lumens, and energy-saving electronic ballast. Ballast factor = .88, input watts = 58.

Calculated in accordance with NEMA standard LE-5.

LISTING

UL listed to US and Canadian safety standards (see Options). NOM Certified (see Options).

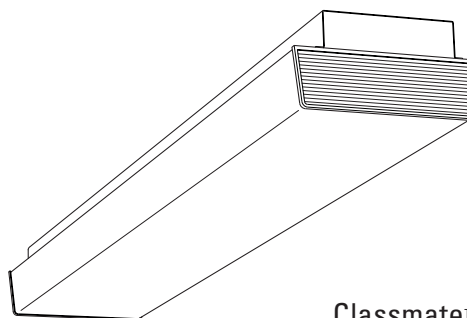
Specifications subject to change without notice.

Catalog Number	
Notes	Type

Wraparound

CLM

4' and 8' Lengths
1, 2 and 3 Lamps



Classmate™

Specification Wraparound

ORDERING INFORMATION

Example: **TCLM 2 32 277 1/4 GEB**

TCLM	2	32		MVOLT	GEB10IS TILW
Series	Number of lamps	Lamp type	Diffusertype ¹	Voltage	Options
CLM 8-5/8" wide	1 2 3 Not included.	32 32W T8 (48") 40 40W T12 (48")	(blank) High impact prismatic IM Injection-molded Holophane #7101	120 277 347 Others available.	GEB Electronic ballast, ≤ 20%THD GEB10IS Electronic ballast, ≤ 10% THD, instant start 1/3 One 3-lamp ballast 1/4 One 4-lamp ballast 2/3 Two 3-lamp ballasts EL Self-contained emergency inverter CSA Listed and labeled to comply with Canadian Standards NOM NOM Certified

For tandem, double-length unit, add prefix T. Example: **TCLM. Two 4' diffusers provided on 8' units.**

Accessories


Order as separate item.

SQ Swivel-stem hanger (specify length in 2" increments).

1B Ceiling spacer adjusts from 1-1/2" to 2-1/2" from ceiling.

NOTE:

1 Diffuser ships separate from fixture.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: TCLM 2 32 MVOLT GEB10IS TILW	Type: J3-44
Project: PAUL MITCHELL SCHOOLS	Notes: 44' RUNS IN BOARD/OUTBOARD SWITCH	

CLM Wraparound

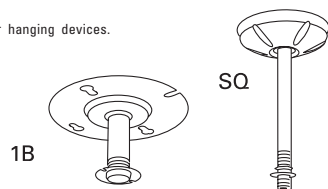
MOUNTING DATA

For unit or row installation, surface or stem mounting.

Unit installation — Two single-stem hangers required.

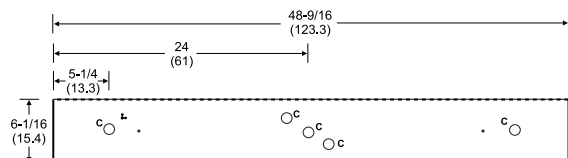
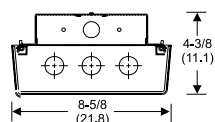
Row installation — One hanger per fixture plus one per row required.

See ACCESSORIES below for hanging devices.

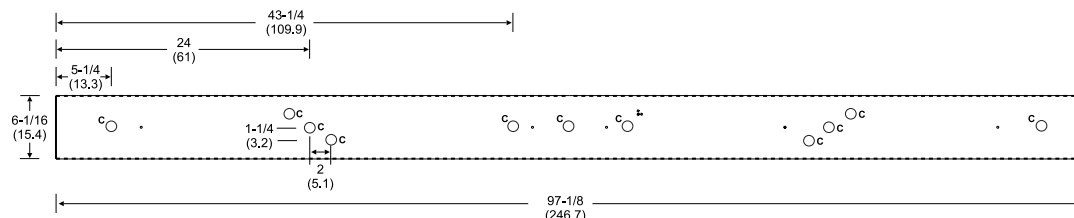


DIMENSIONS

Inches (centimeters). Subject to change without notice.



C = 7/8 (2.2) diameter K.O.



PHOTOMETRICS

CLM 132

Report LTL 6998 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.6

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	89	89	89	86	86	86	80	80	80
1	81	78	75	78	75	73	71	69	67
2	75	69	64	72	67	63	63	59	56
3	69	62	56	66	60	55	57	52	49
4	63	55	49	61	54	48	51	46	42
5	58	49	43	56	48	42	45	40	36
6	54	44	38	52	43	37	41	36	32
7	50	40	34	48	39	33	37	32	28
8	46	36	30	44	35	29	33	28	24
9	42	32	26	41	31	26	30	25	21
10	39	29	23	38	29	23	27	22	19

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	494	17.3	20.7
0-40	846	29.7	35.4
0-60	1463	51.3	61.1
0-90	1912	67.1	79.9
90-180	480	16.9	20.1
0-180	2392	83.9	100.0

CLM 232

Report LTL 7085 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.5

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	98	98	98	90	90	90
1	92	87	83	87	83	79	76	73	71
2	83	75	69	79	72	67	67	62	58
3	76	66	59	72	64	57	59	53	49
4	70	59	51	66	57	49	52	46	42
5	64	53	45	61	51	43	47	41	36
6	59	47	40	56	46	38	42	36	32
7	55	43	35	52	41	34	39	32	28
8	51	39	32	49	38	31	35	29	25
9	48	36	29	45	35	28	32	27	22
10	44	33	26	43	32	25	30	24	20

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1089	19.1	21.5
0-40	1831	32.1	36.2
0-60	3122	54.8	61.6
0-90	4148	72.8	81.9
90-180	915	16.1	18.1
0-180	5164	88.8	100.0

CLM 232 IM

Report LTL 7084 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.7


Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	101	101	101	97	97	97	89	89	89
1	92	88	84	88	84	81	78	75	73
2	84	77	72	80	74	69	68	64	61
3	77	68	62	73	66	60	61	56	52
4	71	61	54	67	59	52	54	49	44
5	65	54	47	62	52	46	49	43	39
6	60	49	42	57	47	40	44	38	34
7	56	44	37	53	43	36	40	34	30
8	52	40	33	50	39	32	37	31	27
9	48	37	30	46	36	29	34	28	24
10	45	34	27	43	33	27	31	25	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1152	20.2	23.0
0-40	2001	35.1	39.9
0-60	3396	59.6	67.8
0-90	4078	71.5	81.4
90-180	934	16.4	18.6
0-180	5011	87.9	100.0



Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: CLM 2 32 MVOLT GEB10IS	Type: J3-44
Project: PAUL MITCHELL SCHOOLS	Notes: 44' RUNS IN BOARD/OUTBOARD SWITCH	



FEATURES & SPECIFICATIONS

ATTRIBUTES

Choice of high impact, vandal-resistant acrylic, prismatic diffuser or Holophane® #7101-A injection-molded acrylic diffuser. **Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)**

End of diffuser includes decorative white injection-molded end caps.

Pyramidal prisms minimize lamp image.

Spring pin diffuser support prevents accidental opening and simplifies maintenance.

Channel includes hemmed edges.

Ballast cover secured by 1/4 turn fasteners; no tools required.

Twist and lock anti-vibration lampholders.

Available in tandem-wired lengths.

Guaranteed for one year against mechanical defects in manufacture.

CONSTRUCTION

Metal parts are die-formed from code gauge steel. Diffuser is 100% acrylic. No asbestos used in this product.

Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Sound rated A. Standard combinations are CBM approved and conform to UL 935.

FINISH

High-gloss, baked white enamel finish. Five-stage, iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout rated for required temperatures.

ENERGY

Luminaire Efficacy Rating (LER) and Annual Energy Cost:

Two-lamp LER.FW = 77. Annual Energy Cost = \$3.12.

Based on 32W T8 lamp, 2850 lumens, and energy-saving electronic ballast. Ballast factor = .88, input watts = 58.

Calculated in accordance with NEMA standard LE-5.

LISTING

UL listed to US and Canadian safety standards (see Options). NOM Certified (see Options).

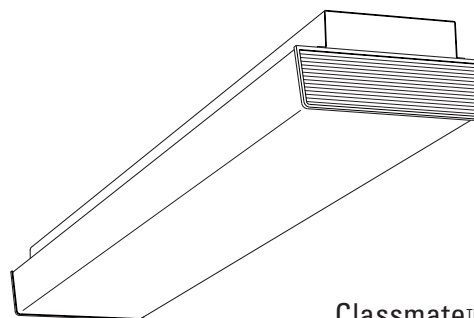
Specifications subject to change without notice.

Catalog Number	
Notes	Type

Wraparound

CLM

4' and 8' Lengths
1, 2 and 3 Lamps



Classmate™

Specification Wraparound

ORDERING INFORMATION

Example: **TCLM 2 32 277 1/4 GEB**

CLM	2	32		MVOLT	GEB10IS
Series	Number of lamps	Lamp type	Diffusertype ¹	Voltage	Options
CLM 8-5/8" wide	1 2 3 Not included.	32 32W T8 (48") 40 40W T12 (48")	(blank) High impact prismatic IM Injection-molded Holophane #7101	120 277 347 Others available.	GEB Electronic ballast, ≤ 20%THD GEB10IS Electronic ballast, ≤ 10% THD, instant start 1/3 One 3-lamp ballast 1/4 One 4-lamp ballast 2/3 Two 3-lamp ballasts EL Self-contained emergency inverter CSA Listed and labeled to comply with Canadian Standards NOM NOM Certified

For tandem, double-length unit, add prefix T. Example: **TCLM**. Two 4' diffusers provided on 8' units.

Accessories


Order as separate item.

SQ Swivel-stem hanger (specify length in 2" increments).

1B Ceiling spacer adjusts from 1-1/2" to 2-1/2" from ceiling.

NOTE:

1 Diffuser ships separate from fixture.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: CLM 2 32 MVOLT GEB10IS	Type: J3-44
Project: PAUL MITCHELL SCHOOLS	Notes: 44' RUNS IN BOARD/OUTBOARD SWITCH	

CLM Wraparound

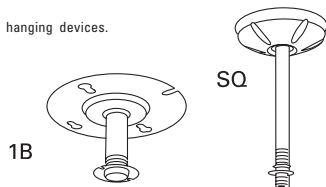
MOUNTING DATA

For unit or row installation, surface or stem mounting.

Unit installation — Two single-stem hangers required.

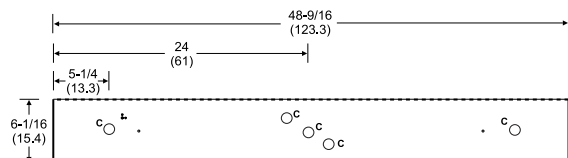
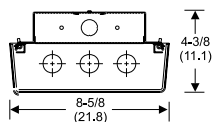
Row installation — One hanger per fixture plus one per row required.

See ACCESSORIES below for hanging devices.

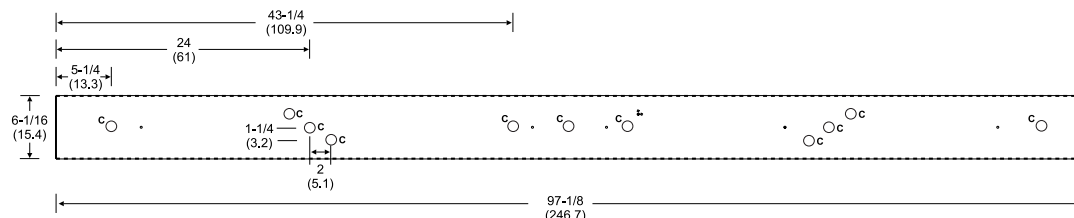


DIMENSIONS

Inches (centimeters). Subject to change without notice.



C = 7/8 (2.2) diameter K.O.



PHOTOMETRICS

CLM 1 32

Report LTL 6998 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.6

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	89	89	89	86	86	86	80	80	80
1	81	78	75	78	75	73	71	69	67
2	75	69	64	72	67	63	63	59	56
3	69	62	56	66	60	55	57	52	49
4	63	55	49	61	54	48	51	46	42
5	58	49	43	56	48	42	45	40	36
6	54	44	38	52	43	37	41	36	32
7	50	40	34	48	39	33	37	32	28
8	46	36	30	44	35	29	33	28	24
9	42	32	26	41	31	26	30	25	21
10	39	29	23	38	29	23	27	22	19

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	494	17.3	20.7
0-40	846	29.7	35.4
0-60	1463	51.3	61.1
0-90	1912	67.1	79.9
90-180	480	16.9	20.1
0-180	2392	83.9	100.0

CLM 2 32

Report LTL 7085 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.5

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	98	98	98	90	90	90
1	92	87	83	87	83	79	76	73	71
2	83	75	69	79	72	67	67	62	58
3	76	66	59	72	64	57	59	53	49
4	70	59	51	66	57	49	52	46	42
5	64	53	45	61	51	43	47	41	36
6	59	47	40	56	46	38	42	36	32
7	55	43	35	52	41	34	39	32	28
8	51	39	32	49	38	31	35	29	25
9	48	36	29	45	35	28	32	27	22
10	44	33	26	43	32	25	30	24	20

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1089	19.1	21.5
0-40	1831	32.1	36.2
0-60	3122	54.8	61.6
0-90	4148	72.8	81.9
90-180	915	16.1	18.1
0-180	5164	88.8	100.0

CLM 2 32 IM

Report LTL 7084 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.7


Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	101	101	101	97	97	97	89	89	89
1	92	88	84	88	84	81	78	75	73
2	84	77	72	80	74	69	68	64	61
3	77	68	62	73	66	60	61	56	52
4	71	61	54	67	59	52	54	49	44
5	65	54	47	62	52	46	49	43	39
6	60	49	42	57	47	40	44	38	34
7	56	44	37	53	43	36	40	34	30
8	52	40	33	50	39	32	37	31	27
9	48	37	30	46	36	29	34	28	24
10	45	34	27	43	33	27	31	25	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1152	20.2	23.0
0-40	2001	35.1	39.9
0-60	3396	59.6	67.8
0-90	4078	71.5	81.4
90-180	934	16.4	18.6
0-180	5011	87.9	100.0



Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: TCLM 2 32 MVOLT GEB10IS TILW	Type: J3-48
Project: PAUL MITCHELL SCHOOLS	Notes: 48' RUNS IN BOARD/OUTBOARD SWITCH	



FEATURES & SPECIFICATIONS

ATTRIBUTES

Choice of high impact, vandal-resistant acrylic, prismatic diffuser or Holophane® #7101-A injection-molded acrylic diffuser. **Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)**

End of diffuser includes decorative white injection-molded end caps.

Pyramidal prisms minimize lamp image.

Spring pin diffuser support prevents accidental opening and simplifies maintenance.

Channel includes hemmed edges.

Ballast cover secured by 1/4 turn fasteners; no tools required.

Twist and lock anti-vibration lampholders.

Available in tandem-wired lengths.

Guaranteed for one year against mechanical defects in manufacture.

CONSTRUCTION

Metal parts are die-formed from code gauge steel. Diffuser is 100% acrylic. No asbestos used in this product.

Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Sound rated A. Standard combinations are CBM approved and conform to UL 935.

FINISH

High-gloss, baked white enamel finish. Five-stage, iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout rated for required temperatures.

ENERGY

Luminaire Efficacy Rating (LER) and Annual Energy Cost:

Two-lamp LER.FW = 77. Annual Energy Cost = \$3.12.

Based on 32W T8 lamp, 2850 lumens, and energy-saving electronic ballast. Ballast factor = .88, input watts = 58.

Calculated in accordance with NEMA standard LE-5.

LISTING

UL listed to US and Canadian safety standards (see Options). NOM Certified (see Options).

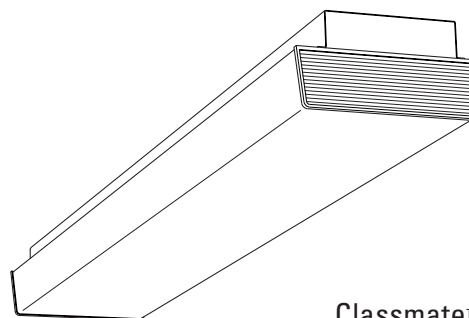
Specifications subject to change without notice.

Catalog Number	
Notes	Type

Wraparound

CLM

4' and 8' Lengths
1, 2 and 3 Lamps



Classmate™

Specification Wraparound

ORDERING INFORMATION

Example: **TCLM 2 32 277 1/4 GEB**

TCLM	2	32		MVOLT	GEB10IS TILW
Series	Number of lamps	Lamp type	Diffusertype ¹	Voltage	Options
CLM 8-5/8" wide	1 2 3 Not included.	32 32W T8 (48") 40 40W T12 (48")	(blank) High impact prismatic IM Injection-molded Holophane #7101	120 277 347 Others available.	GEB Electronic ballast, ≤ 20%THD GEB10IS Electronic ballast, ≤ 10% THD, instant start 1/3 One 3-lamp ballast 1/4 One 4-lamp ballast 2/3 Two 3-lamp ballasts EL Self-contained emergency inverter CSA Listed and labeled to comply with Canadian Standards NOM NOM Certified

For tandem, double-length unit, add prefix T. Example: **TCLM**. Two 4' diffusers provided on 8' units.

Accessories


Order as separate item.

SQ Swivel-stem hanger (specify length in 2" increments).

1B Ceiling spacer adjusts from 1-1/2" to 2-1/2" from ceiling.

NOTE:

1 Diffuser ships separate from fixture.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: TCLM 2 32 MVOLT GEB10IS TILW	Type: J3-48
Project: PAUL MITCHELL SCHOOLS	Notes: 48' RUNS IN BOARD/OUTBOARD SWITCH	

CLM Wraparound

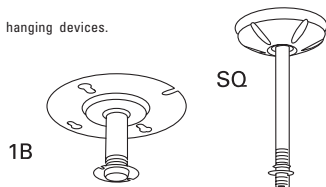
MOUNTING DATA

For unit or row installation, surface or stem mounting.

Unit installation — Two single-stem hangers required.

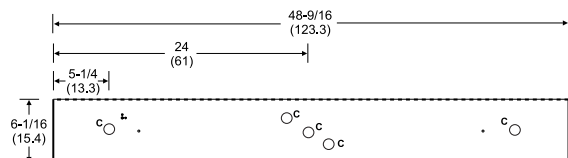
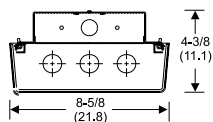
Row installation — One hanger per fixture plus one per row required.

See ACCESSORIES below for hanging devices.

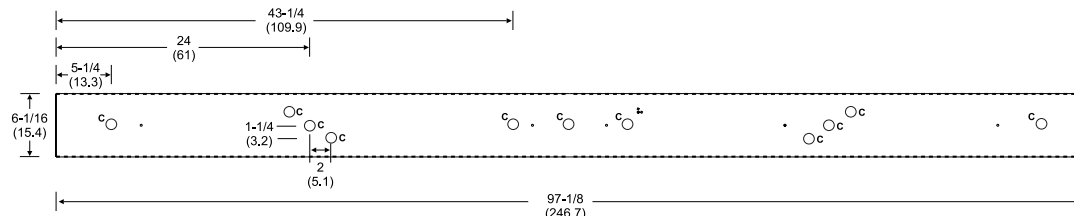


DIMENSIONS

Inches (centimeters). Subject to change without notice.



C = 7/8 (2.2) diameter K.O.



PHOTOMETRICS

CLM 1 32

Report LTL 6998 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.6

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	89	89	89	86	86	86	80	80	80
1	81	78	75	78	75	73	71	69	67
2	75	69	64	72	67	63	63	59	56
3	69	62	56	66	60	55	57	52	49
4	63	55	49	61	54	48	51	46	42
5	58	49	43	56	48	42	45	40	36
6	54	44	38	52	43	37	41	36	32
7	50	40	34	48	39	33	37	32	28
8	46	36	30	44	35	29	33	28	24
9	42	32	26	41	31	26	30	25	21
10	39	29	23	38	29	23	27	22	19

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	494	17.3	20.7
0-40	846	29.7	35.4
0-60	1463	51.3	61.1
0-90	1912	67.1	79.9
90-180	480	16.9	20.1
0-180	2392	83.9	100.0

CLM 2 32

Report LTL 7085 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.5

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	98	98	98	90	90	90
1	92	87	83	87	83	79	76	73	71
2	83	75	69	79	72	67	67	62	58
3	76	66	59	72	64	57	59	53	49
4	70	59	51	66	57	49	52	46	42
5	64	53	45	61	51	43	47	41	36
6	59	47	40	56	46	38	42	36	32
7	55	43	35	52	41	34	39	32	28
8	51	39	32	49	38	31	35	29	25
9	48	36	29	45	35	28	32	27	22
10	44	33	26	43	32	25	30	24	20

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1089	19.1	21.5
0-40	1831	32.1	36.2
0-60	3122	54.8	61.6
0-90	4148	72.8	81.9
90-180	915	16.1	18.1
0-180	5164	88.8	100.0

CLM 2 32 IM

Report LTL 7084 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.7

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	50%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	101	101	101	97	97	97	89	89	89
1	92	88	84	88	84	81	78	75	73
2	84	77	72	80	74	69	68	64	61
3	77	68	62	73	66	60	61	56	52
4	71	61	54	67	59	52	54	49	44
5	65	54	47	62	52	46	49	43	39
6	60	49	42	57	47	40	44	38	34
7	56	44	37	53	43	36	40	34	30
8	52	40	33	50	39	32	37	31	27
9	48	37	30	46	36	29	34	28	24
10	45	34	27	43	33	27	31	25	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1152	20.2	23.0
0-40	2001	35.1	39.9
0-60	3396	59.6	67.8
0-90	4078	71.5	81.4
90-180	934	16.4	18.6
0-180	5011	87.9	100.0



An Acuity Brands Company

Sheet #: CLM

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Lithonia Lighting

Fluorescent

One Lithonia Way, Conyers, GA 30012

Phone: 800-858-7763 Fax: 770-929-8789

www.lithonia.com

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: TCLM 2 32 MVOLT GEB10IS TILW SQ18 MB	Type: J3-88
Project: PAUL MITCHELL SCHOOLS	Notes: 88' RUNS IN BOARD/OUTBOARD SWITCH	



FEATURES & SPECIFICATIONS

ATTRIBUTES

Choice of high impact, vandal-resistant acrylic, prismatic diffuser or Holophane® #7101-A injection-molded acrylic diffuser. **Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)**

End of diffuser includes decorative white injection-molded end caps.

Pyramidal prisms minimize lamp image.

Spring pin diffuser support prevents accidental opening and simplifies maintenance.

Channel includes hemmed edges.

Ballast cover secured by 1/4 turn fasteners; no tools required.

Twist and lock anti-vibration lampholders.

Available in tandem-wired lengths.

Guaranteed for one year against mechanical defects in manufacture.

CONSTRUCTION

Metal parts are die-formed from code gauge steel. Diffuser is 100% acrylic. No asbestos used in this product.

Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Sound rated A. Standard combinations are CBM approved and conform to UL 935.

FINISH

High-gloss, baked white enamel finish. Five-stage, iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout rated for required temperatures.

ENERGY

Luminaire Efficacy Rating (LER) and Annual Energy Cost:

Two-lamp LER.FW = 77. Annual Energy Cost = \$3.12.

Based on 32W T8 lamp, 2850 lumens, and energy-saving electronic ballast. Ballast factor = .88, input watts = 58.

Calculated in accordance with NEMA standard LE-5.

LISTING

UL listed to US and Canadian safety standards (see Options). NOM Certified (see Options).

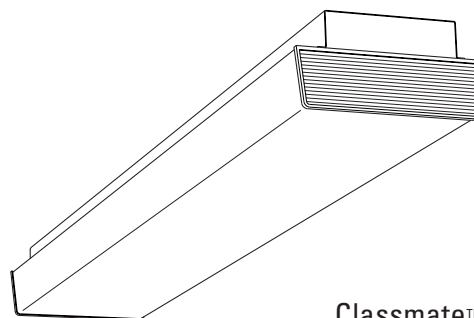
Specifications subject to change without notice.

Catalog Number	
Notes	Type

Wraparound

CLM

4' and 8' Lengths
1, 2 and 3 Lamps



Classmate™

Specification Wraparound

ORDERING INFORMATION

Example: **TCLM 2 32 277 1/4 GEB**

TCLM	2	32		MVOLT	GEB10IS TILW SQ18 MB
Series	Number of lamps	Lamp type	Diffusertype ¹	Voltage	Options
CLM 8-5/8" wide	1 2 3 Not included.	32 32W T8 (48") 40 40W T12 (48")	(blank) High impact prismatic IM Injection-molded Holophane #7101	120 277 347 Others available.	GEB Electronic ballast, ≤ 20%THD GEB10IS Electronic ballast, ≤ 10% THD, instant start 1/3 One 3-lamp ballast 1/4 One 4-lamp ballast 2/3 Two 3-lamp ballasts EL Self-contained emergency inverter CSA Listed and labeled to comply with Canadian Standards NOM NOM Certified

For tandem, double-length unit, add prefix T. Example: **TCLM**. Two 4' diffusers provided on 8' units.

Accessories


Order as separate item.

SQ Swivel-stem hanger (specify length in 2" increments).

1B Ceiling spacer adjusts from 1-1/2" to 2-1/2" from ceiling.

NOTE:

1 Diffuser ships separate from fixture.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: TCLM 2 32 MVOLT GEB10IS TILW SQ18 MB	Type: J3-88
Project: PAUL MITCHELL SCHOOLS	Notes: 88' RUNS IN BOARD/OUTBOARD SWITCH	

CLM Wraparound

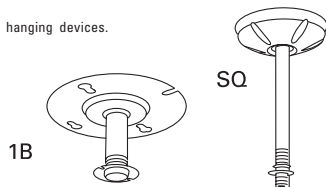
MOUNTING DATA

For unit or row installation, surface or stem mounting.

Unit installation — Two single-stem hangers required.

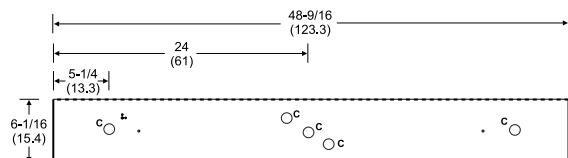
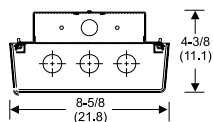
Row installation — One hanger per fixture plus one per row required.

See ACCESSORIES below for hanging devices.

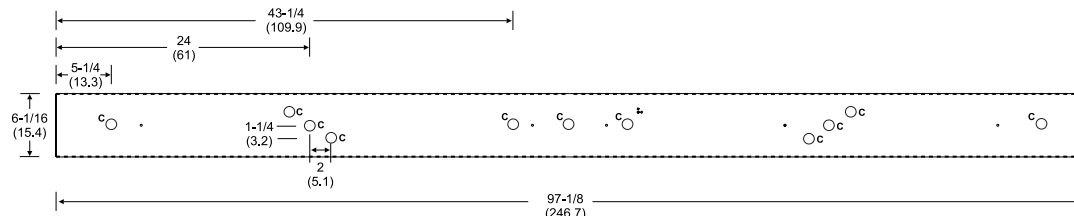


DIMENSIONS

Inches (centimeters). Subject to change without notice.



C = 7/8 (2.2) diameter K.O.



PHOTOMETRICS

CLM 1 32

Report LTL 6998 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.6

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	89	89	89	86	86	86	80	80	80
1	81	78	75	78	75	73	71	69	67
2	75	69	64	72	67	63	63	59	56
3	69	62	56	66	60	55	57	52	49
4	63	55	49	61	54	48	51	46	42
5	58	49	43	56	48	42	45	40	36
6	54	44	38	52	43	37	41	36	32
7	50	40	34	48	39	33	37	32	28
8	46	36	30	44	35	29	33	28	24
9	42	32	26	41	31	26	30	25	21
10	39	29	23	38	29	23	27	22	19

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	494	17.3	20.7
0-40	846	29.7	35.4
0-60	1463	51.3	61.1
0-90	1912	67.1	79.9
90-180	480	16.9	20.1
0-180	2392	83.9	100.0

CLM 2 32

Report LTL 7085 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.5

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	98	98	98	90	90	90
1	92	87	83	87	83	79	76	73	71
2	83	75	69	79	72	67	67	62	58
3	76	66	59	72	64	57	59	53	49
4	70	59	51	66	57	49	52	46	42
5	64	53	45	61	51	43	47	41	36
6	59	47	40	56	46	38	42	36	32
7	55	43	35	52	41	34	39	32	28
8	51	39	32	49	38	31	35	29	25
9	48	36	29	45	35	28	32	27	22
10	44	33	26	43	32	25	30	24	20

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1089	19.1	21.5
0-40	1831	32.1	36.2
0-60	3122	54.8	61.6
0-90	4148	72.8	81.9
90-180	915	16.1	18.1
0-180	5164	88.8	100.0

CLM 2 32 IM

Report LTL 7084 - Lumens per lamp = 2850

S/MH (along) 1.3 (across) 1.7

Coefficient of Utilization

Ceiling	70%	80%	30%	70%	70%	30%	50%	30%	10%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	101	101	101	97	97	97	89	89	89
1	92	88	84	88	84	81	78	75	73
2	84	77	72	80	74	69	68	64	61
3	77	68	62	73	66	60	61	56	52
4	71	61	54	67	59	52	54	49	44
5	65	54	47	62	52	46	49	43	39
6	60	49	42	57	47	40	44	38	34
7	56	44	37	53	43	36	40	34	30
8	52	40	33	50	39	32	37	31	27
9	48	37	30	46	36	29	34	28	24
10	45	34	27	43	33	27	31	25	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1152	20.2	23.0
0-40	2001	35.1	39.9
0-60	3396	59.6	67.8
0-90	4078	71.5	81.4
90-180	934	16.4	18.6
0-180	5011	87.9	100.0



Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: P3613 126/42 SB VOLT IMPACT	Type: K1
Project: PAUL MITCHELL SCHOOLS	Notes:	

13" imago iii™ pendant, slotted housing P3613



specifications

Ballast Housing: Combination of spun 14 gauge aluminum and 24 gauge slotted galvanized steel. Slotted housing and top spinning available in 21 powder coat paint finishes. Lower spinning painted silver metallic powder coat standard. EM option requires taller ballast housing.

Electrical: Class P, sound rated A, programmed rapid start electronic ballast with end of life protection. Standard ballast powers (1) CFTR26W or (1) CFTR32W or (1) CFM42W. Optional ballasts power (1) CFM57W or (1) CFM70W. Power factor > 0.90. THD <10%. Operating voltage 120 to 277v. 50/60 Hz. 18/3 white power cord, standard.

Diffuser: .1875 virgin matte white acrylic parabola held in place with (4) socket cap screws.

Suspension: 12 foot stainless steel cable with adjustable gripper located on ballast housing and adjustable pitch ceiling coupling at canopy. Matte white powder coat 5 inch canopy standard. Designed to mount to 4 inch octagon junction box (by other).

Decorative disk: .25" thick acrylic disk with flame polished green edge creates the illusion of glass.

order

project name	type	quantity
P3613	126 / 42 SB VOLT	

Lamping choice

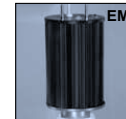
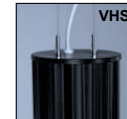
- 142** (1) 42W CFTR
(interchangeable 26/32/42W)
126 (1) 26W CFTR (labeled max.)
132 (1) 32W CFTR (labeled max.)
157 (1) 57W CFM
170 (1) 70W CFM

Finish choice

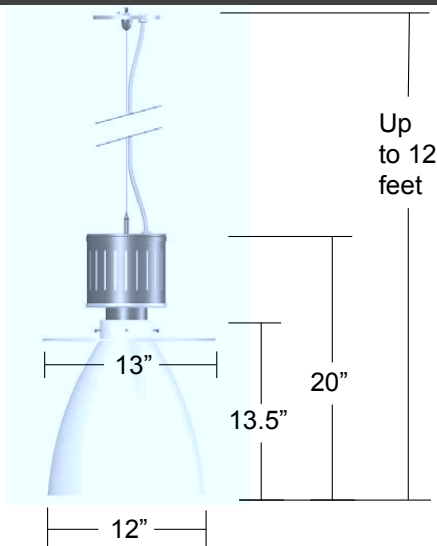
- MW** matte white
SG steel gray
SB satin black
CP champagne
LB light bronze
BZ bronze
SM silver metallic
SH silver hammertone
SV silver vein
BM brass metallic
BH brass hammertone
BV brass vein
CM copper metallic
CH copper hammertone
CV copper vein
PA patina
PH patina hammertone
PV patina vein
JM jeans metallic
JH jeans hammertone
JV jeans vein

Options

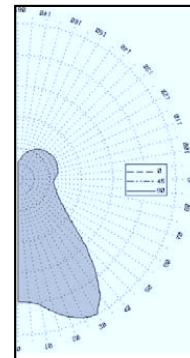
- DMA120** Advance® Mark X dimming, 120v
DMA277 Advance® Mark X dimming, 277v
DML120 Lutron® Compact SE dimming 120v
DML277 Lutron® Compact SE dimming 277v
EM120 Bodine® emergency ballast 120v
EM277 Bodine® emergency ballast 277v
VHS 2-point vertical hanging system



dimensions




photometrics



12984.ies
download at
www.impacttltg.com
84.7% efficient

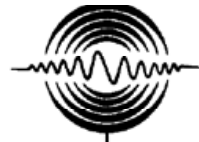
IMPACT architectural lighting reserves the right to make variations in design and construction to the equipment described for continuous improvement of the product.



Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: P3613 126/42 SB VOLT IMPACT	Type: K1
Project: PAUL MITCHELL SCHOOLS	Notes:	

BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

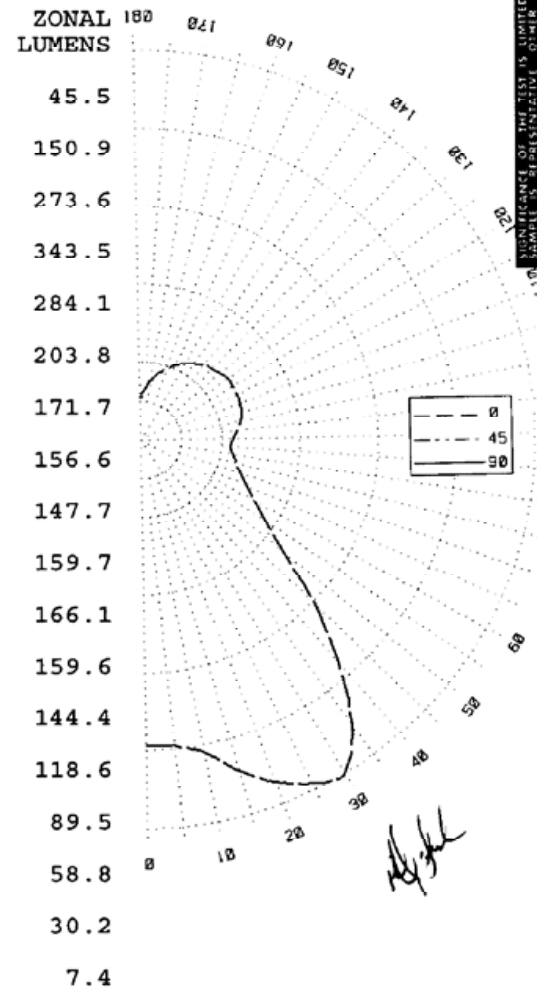
1618 HEADLAND DR.
 FENTON, MO 63026
 (636) - 343-6006
 (636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 12984.0 DATE 02/27/06
 PREPARED FOR: IMPACT ARCHITECTURAL LIGHTING - SAINT LOUIS, MO
 DESCRIPTION: 1/42W SYLVANIA TRIPLE CF 12"DIA IMAGO PENDANT LUMINAIRE
 ALUM FITTER w/12"DIA WHITE ACRYLIC DIFFUSER w/REFLECTOR
 UNIVERSAL BALLAST #C2642UNVSE WATTS=47
 CATALOG NBR: 3412
 LAMP TYPE : CFM42W/GX24q/835 RATED LUMENS 3200. NBR. LAMPS:- 1

CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA
0	474.
5	477.
10	494.
15	532.
20	567.
25	591.
30	603.
35	547.
40	458.
45	367.
50	278.
55	227.
60	196.
65	173.
70	158.
75	148.
80	140.
85	135.
90	138.
95	146.
100	153.
105	157.
110	159.
115	161.
120	162.
125	161.
130	157.
135	153.
140	150.
145	143.
150	136.
155	127.
160	115.
165	107.
170	92.
175	77.
180	68.



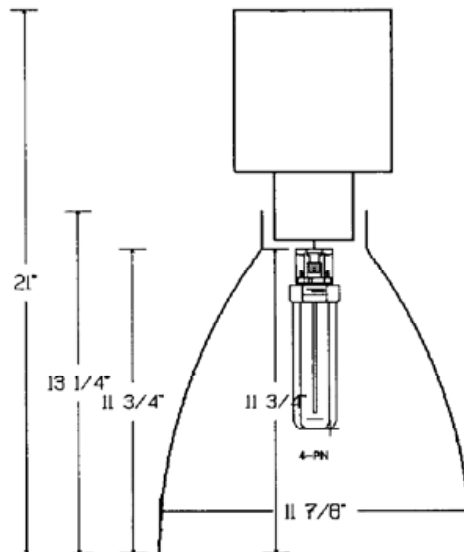
LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	470.	14.7	17.3	90-120	485.	15.2	17.9
0- 40	813.	25.4	30.0	90-130	630.	19.7	23.2
0- 60	1301.	40.7	48.0	90-150	838.	26.2	30.9
0- 90	1777.	55.5	65.5	90-180	934.	29.2	34.5
TOTAL LUMINAIRE =				0-180	2712.	84.7	100.0

IES SPACING CRITERIA: ADJACENT= 1.6 DIAGONAL= 1.1

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: P3613 126/42 SB VOLT IMPACT	Type: K1
Project: PAUL MITCHELL SCHOOLS	Notes:	

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Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: P3613 126/42 SB VOLT IMPACT	Type: K1
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 CATALOG NBR: 3412
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LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE
 0
 VERT
 ANGLE
 45 2933.
 55 1790.
 65 1387.
 75 1245.
 85 1238.
 MAXIMUM BRIGHTNESSES NOT MEASURED

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

EFFECTIVE FLOOR CAVITY REFLECTANCE=.20

CEILING	.80				.70				.50				.30				.10				.00
WALL RCR	.70	.50	.30	.10	.70	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.00			
0	.94	.94	.94	.94	.88	.88	.88	.88	.78	.78	.78	.68	.68	.68	.60	.60	.60	.56			
1	.85	.81	.77	.73	.80	.76	.72	.69	.67	.64	.62	.59	.57	.55	.51	.50	.48	.45			
2	.77	.70	.65	.60	.72	.66	.61	.57	.59	.55	.51	.51	.48	.46	.45	.43	.41	.37			
3	.71	.62	.55	.50	.66	.59	.53	.48	.52	.47	.43	.46	.42	.39	.40	.37	.35	.32			
4	.65	.55	.48	.43	.61	.52	.46	.41	.46	.41	.37	.41	.37	.34	.36	.33	.30	.28			
5	.59	.49	.42	.37	.56	.46	.40	.35	.41	.36	.32	.37	.32	.29	.32	.29	.26	.24			
6	.55	.44	.37	.32	.51	.42	.35	.31	.37	.32	.28	.33	.29	.25	.29	.26	.23	.21			
7	.51	.40	.33	.28	.47	.38	.31	.27	.34	.28	.25	.30	.26	.22	.27	.23	.20	.18			
8	.47	.36	.29	.24	.44	.34	.28	.23	.30	.25	.21	.27	.23	.20	.24	.20	.18	.16			
9	.43	.32	.26	.21	.40	.31	.24	.20	.27	.22	.19	.24	.20	.17	.22	.18	.15	.14			
10	.40	.29	.23	.19	.38	.28	.22	.18	.25	.20	.16	.22	.18	.15	.20	.16	.14	.12			

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: LQM S 3 R 120/277 EL N M6	Type: EX
Project: PAUL MITCHELL SCHOOLS	Notes: BLACK EXIT W/EM	



FEATURES

INTENDED USE

Ideal for applications requiring attractive, quick installation exit signs and low energy consumption.

CONSTRUCTION

Engineering-grade thermoplastic housing is impact-resistant, scratch-resistant and corrosion-proof. UL94V-0 flame rating (UL94-5VA with CSA option). UV-stable resin resists discoloration from natural and man-made light sources.

Rugged unibody housing snaps together with no additional mechanical fasteners. Faceplate and back cover are interchangeable on housing. Positive snap-fit tabs hold faceplate securely, yet are easily removed for lamp compartment access.

Universal directional chevron inserts are easily removed and reinserted. Uniform illumination without shadows or hot spots. Reinforced, impact-resistant color panels. Letters 6" high with 3/4" stroke.

U.S. Patent No. 5,526,251; 5,611,163; 5,954,423; 5,988,825; 6,152,581; 6,502,044 D383,501 and D495,751. Other patents pending.

LAMPS

LEDs mounted on printed circuit boards. Expected LED life over 25 years. Low energy consumption – less than one watt.

INSTALLATION

Universal (top, end or back) mounting. Easily removed mounting knockouts. J-box pattern on back panel. Housing snaps to canopy with four positive-locking tabs. Cam-locking pin tightly secures housing to canopy.

LISTING

UL damp location listed (10°-40°C) standard. NOM Certified (see Options). Meets UL924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards.

WARRANTY

Five-year total customer satisfaction warranty, including the LED lamps.

Catalog Number	
Notes	Type



Thermoplastic Exits

LQM

LED LAMPS



ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: LQM S W 3 R 120/277

LQM	S		3	R	120/277	EL N
Family	Face type	Housing color	Number of faces	Letter color	Input voltage	Options
LQM	S Stencil P Panel ¹	(blank) Black W White	3 Single face with extra faceplate and color panel	R Red G Green	120/277 Dual voltage	(blank) None X2 Primary and secondary AC inputs provided NOM NOM Certified for Mexico ²


NOTES:

- Special wording available in red or green letters. White housing Clor only. Consult factory.
- Available with Stencil or Panel faces in white housing and red letters only.

Accessories

Order as separate item.

ELAWGEX	Back-mount wireguard
ELAWGEXT	Top-mount wireguard
ELAWGEXE	End-mount wireguard

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: LQM S 3 R 120/277 EL N M6	Type: EX
Project: PAUL MITCHELL SCHOOLS	Notes: BLACK EXIT W/EM	

LQM Quantum® LED

SPECIFICATIONS

ELECTRICAL

Primary Circuit

Type	Rated LED life ¹	Supply voltage	Input watts	Max. amps
Red LED	25+ years	120	.62	.05
		277	.69	.06
Green LED	25+ years	120	.62	.05
		277	.74	.06

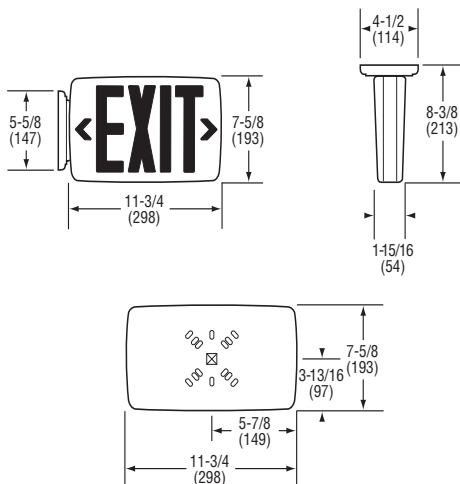
NOTES:

1 Based on continuous operation.

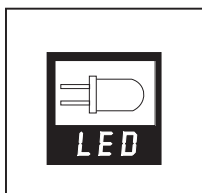
MOUNTING

All dimensions are inches (millimeters).

Shipping weight: 2.6 lbs. (1.2 kgs.)



KEY FEATURES



Unique LEDs provide extremely long life and low energy consumption.

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: ELM2 B	Type: EM
Project: PAUL MITCHELL SCHOOLS	Notes: BLACK EM	



FEATURES

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.

CONSTRUCTION — White, compact, low-profile contemporary design. Engineering-grade thermoplastic housing is impact-resistant, scratch-resistant and corrosion-proof. UL94V-0 flame rating. UV-stable resin resists discoloration from natural and man-made light sources.

Two 5.4W wedge-based krypton lamps offer 32 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 path of egress.

US Patent No. D484,272

Dual-voltage input capability (120/277V). Edge connectors on printed circuit board ensure long-term durability.

Low-profile, integrated test switch/pilot light. Easily visible bright red status indicator.

Unique track-and-swivel arrangement permits full range of direction of lamp head adjustment. Universal J-box mounting pattern. Tool-less access for maintenance. Flexible conduit entry provision on top of the unit. Ceiling mount standard.

U.S. Patent No. D473,672

BATTERY — Sealed, maintenance-free lead-calcium battery provides 12W rated capacity. Automatic 48-hour recharge after a 90-minute discharge.

Low-voltage disconnect prevents excessively deep discharge that can permanently damage the battery.

Single-circuit battery connection. Galvanized battery retaining clip.

ELECTRONICS — Current-limiting charger maximizes battery life and minimizes energy consumption. Provides low operating costs.

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts.

Thermal protection senses circuitry temperature and adjusts charge current to prevent overheating and charger failure.

Thermal compensation adjusts charger output to provide optimum charge voltage relative to ambient temperature.

Regulated charge voltage maintains constant-charge voltage over a wide range of line voltages. Prevents over/undercharging that shortens battery life and reduces capacity.

Filtered charger input minimizes charge voltage ripple and extends battery life.

AC/LVD reset allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Brownout protection is automatically switched to emergency mode when supply voltage drops below 80 percent of nominal.

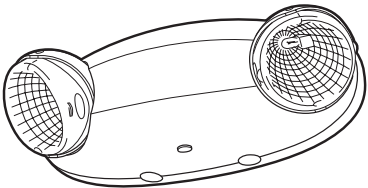
Catalog Number	
Notes	Type



Thermoplastic Emergency Light

ELM2

Lead-Calcium Battery



DIAGNOSTICS (SD option) — Single multi-chromatic LED indicator to display two-state charging, test activation and three-state diagnostic status.

Test switch provides manual activation of 30- second diagnostic testing for on-demand visual inspection.

Self-diagnostic testing for five minutes every 30 days and 30 minutes every six months.

Diagnostic evaluation of lamp, AC to DC transfer, charging and battery condition.

Brownout protection is a standard feature of self-diagnostics.

Continuously monitors AC functionality.

Automatic test is easily postponed for eight hours by activating manual test switch.

LISTING — UL Listed and NOM Certified (standard). Meets UL 924, NFPA 101, NFPA 70-NEC and OSHA illumination standards. Meets Mexican standards.

WARRANTY — Three-year total customer satisfaction warranty. For details, see the Product Selection Guide.

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.
Example: ELM2

ELM2	B
Family	Options
ELM2	B Black housing ¹ DL Damp location listed (10°C to 40°C) ¹ SD Self-diagnostics

NOTES:
1 Black unit not available with damp location option.

Accessories	
Order as separate item.	
ELA VS	Thermoplastic vandal shield
ELA WGST	Wireguard

Submitting Agency:  Lighting & Electrical Associates, Inc. 504-887-1235	Description: ELM2 B	Type: EM
Project: PAUL MITCHELL SCHOOLS	Notes: BLACK EM	

ELM2 QUANTUM® Thermoplastic Emergency Light

SPECIFICATIONS

ELECTRICAL

Primary Circuit

Type	Volts	AC Input Amps	Watts	Output Volts	Watts Output 1-1/2hrs. 2hrs.
ELM2	120	.11	1.2	6	12 9
	277	.12	1.5		

* Half-hour and one-hour run time not applicable for U.S. product.

BATTERY

Sealed Lead-Calcium

Voltage	Shelf life ¹	Expected life ¹	Maintenance	Optimum temperature ²
6	6 mos.	5-8 yrs.	none ³	60-90°F (16-32°C)

1 At 77°F (25°C).

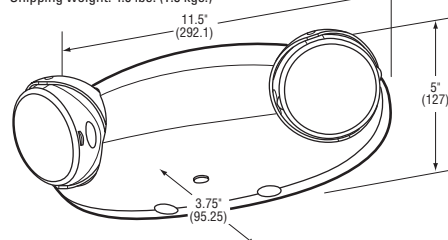
2 Optimum ambient temperature range where unit will provide capacity for 30 to 90 minutes. Higher and lower temperatures affect life and capacity. Consult factory for detailed information.

3 Periodic system status test recommended.

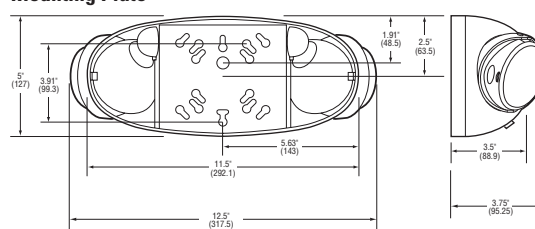
MOUNTING

All dimensions are inches (millimeters).

Shipping weight: 4.0 lbs. (1.8 kgs.)

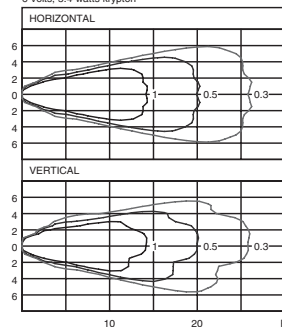


Mounting Plate

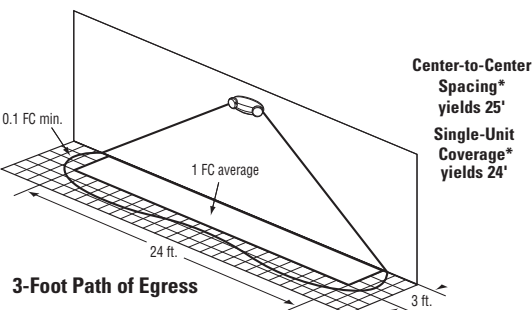
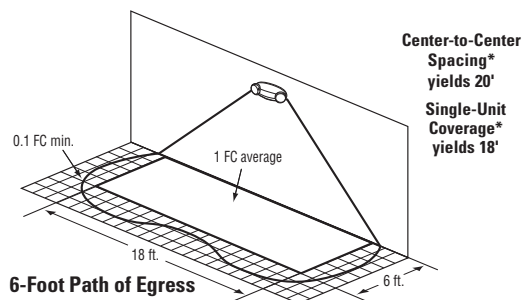


LAMP PHOTOMETRICS

LTL10586
MR24 K0606
6-volts, 5.4-watts krypton



FIXTURE PERFORMANCE



* 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.