



Lighting & Electrical Associates, Inc.

504-887-1235

## Project: REDEEMER LUTHERAN CHURCH

Contents - August 26, 2014

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F1	Lithonia Lighting	2GT8 2 U316 A12 MVOLT GEB10IS
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F7	Lithonia Lighting	6HF 2/26DTT MVOLT F6L4
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P2	Lithonia Lighting	SSS 30 6G DM28 DDB

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** 2GT8 2 U316 A12 MVOLT GEB10IS  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**

**F1**



**FEATURES & SPECIFICATIONS**

**INTENDED USE** — Low-profile static luminaire provides general illumination for recessed applications; ideal for restricted plenum spaces. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

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** — 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.

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

**WARRANTY** — 1-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

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

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type



General Purpose T8 Troffer

**GT8 2'X2'**

**COMPACT FLUORESCENT, STRAIGHT AND U LAMPS**

2, 3 or 4 Lamps  
CF or T8 only

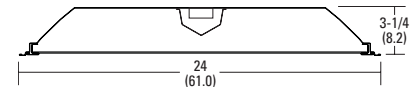
*Specifications*

Length: 24 (61.0)

Width: 24 (61.0)

Depth: 3-1/4 (8.2)

Weight: 19 lbs (8.6 kg)



All dimensions are inches (centimeters) unless otherwise indicated.

**ORDERING INFORMATION**

For shortest lead times, configure products using **bolded options**.

**Example:** 2GT8 2 U316 A12 MVOLT GEB10IS

2GT8		2	U316		A12	MVOLT	GEB10IS
Series	Trim type	Number of lamps <sup>1</sup>	Lamp type	Door frame	Diffuser type	Voltage	Ballast
<b>2GT8</b> 2' wide	<b>(blank)</b> Grid F Overlapping flanged	<b>2</b> 3 4 Not included	<b>17</b> 17W T8 (24") <b>U31</b> 31W T8 (24") <b>U316</b> 32W T8 U (6" leg, 24") <sup>2</sup> <b>CF40</b> 40W TT5 (24") <sup>2</sup>	<b>(blank)</b> 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	<b>A12</b> #12 pattern acrylic <b>A12125</b> #12 pattern acrylic, .125" thick <b>A19</b> #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 <sup>3</sup> PC3S 3/4" x 3/4" x 1/2" plastic cube louver, silver	<b>120</b> 277 347 <b>MVOLT</b> Others available	<b>1/4</b> One 4-lamp ballast <b>1/3</b> One 3-lamp ballast <b>GEB10IS</b> Electronic ballast, <10% THD, instant start <b>GEB10RS</b> Electronic ballast, <10% THD, rapid start GEB10PS Electronic ballast, <10% THD, programmed start <sup>5</sup> <b>EL</b> Emergency battery pack (nominal 300 lumens) GLR Internal fast-blow fuse <sup>6</sup> GMF Internal slow-blow fuse <sup>6</sup> LST Tandem-wired fixture pairs (shared ballasts) <b>PWS1836</b> 6' prewire, 3/8" dia., 18-gauge, 1 circuit LP_ Lamped, specify lamp type and color <b>LP735</b> Lamped, 700-series, 3500K JP Palletized and stretch-wrapped without individual cartons; grid trim only <b>CSA</b> CSA Certified <b>NOM</b> NOM Certified

**Notes**

- 4-lamp models available with 17-watt straight tubes only.
- Not available on 3-lamp models. Use U31.
- Available with flush door frames only.
- MVOLT standard for 120-277V applications, 50-60 hz operation. Some options require voltage specified.
- Not available with compact fluorescent lamps — use GEB10RS.
- Must specify voltage 120 or 277.

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description: 2GT8 2 U316 A12 MVOLT GEB10IS**

**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

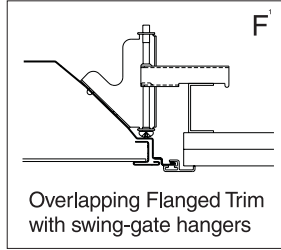
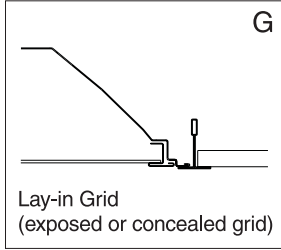
**Type:**

**F1**

**GT8 2'x2' Static T8 Troffer**

**MOUNTING DATA**

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

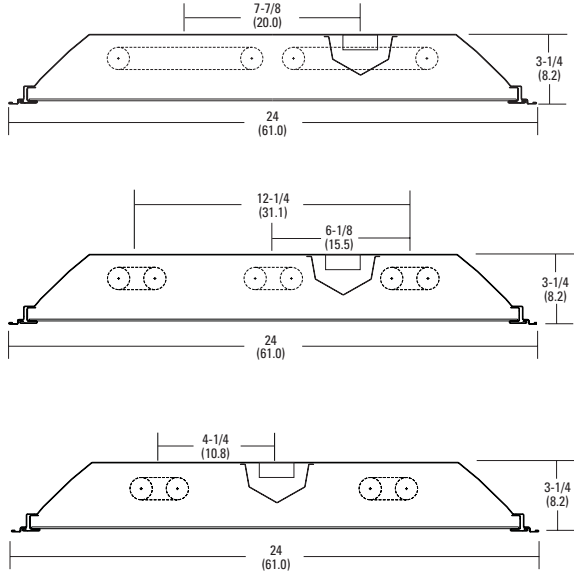


**NOTE:**

1 Recommended rough-in dimensions for F-trim fixtures 24"x24". (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**

All dimensions are inches (centimeters) unless specified otherwise.



**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 2CF40 A12**

**Report LTL 7533**

**Lumens per lamp - 3150 – Lum. eff. - 84.3%**

**S/MH (along) 1.2 (across) 1.4**

**Coefficient of Utilization**

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	100	100	100	98	98	98	94	94	94
1	92	89	85	90	87	84	83	81	78
2	85	78	73	82	77	72	74	70	66
3	78	69	63	76	68	62	66	60	56
4	71	62	55	70	61	54	59	53	49
5	66	56	48	64	55	48	53	47	42
6	61	50	43	60	50	43	48	42	38
7	57	46	39	55	45	38	44	38	33
8	53	42	35	52	41	35	40	34	30
9	49	39	32	48	38	32	37	31	27
10	46	36	29	45	35	29	34	29	25

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixture
0-30	1664	26.4	31.3
0-40	2736	43.4	51.5
0-60	4514	71.6	85.0
0-90	5309	84.3	100.0
90-180	0	0	0
0-180	5309	84.3	100.0

**2GT8 2U316 A12**

**Report LTL 7534**

**Lumens per lamp - 2600 – Lum. eff. - 72.9%**

**S/MH (along) 1.2 (across) 1.4**

**Coefficient of Utilization**

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	87	87	87	85	85	85	81	81	81
1	80	77	74	78	75	72	72	70	68
2	73	68	63	71	66	62	64	60	57
3	67	60	54	65	59	54	57	52	49
4	62	54	48	60	53	47	51	46	42
5	57	48	42	56	47	42	46	41	37
6	53	44	37	52	43	37	42	36	32
7	49	40	34	48	39	33	38	33	29
8	46	36	30	45	36	30	35	30	26
9	43	33	28	42	33	27	32	27	23
10	40	31	25	39	30	25	30	25	21

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixture
0-30	1191	22.9	31.4
0-40	1950	37.5	51.4
0-60	3220	61.9	84.9
0-90	3793	72.9	100.0
90-180	0	0	0
0-180	3793	72.9	100.0

**2GT8 2U31 A12**

**Report LTL 8352**

**Lumens per lamp - 2800 – Lum. eff. - 76%**

**S/MH (along) 1.2 (across) 1.4**

**Coefficient of Utilization**

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	91	91	91	89	89	89	85	85	85
1	80	77	74	78	76	73	75	73	71
2	71	66	62	69	65	61	67	63	60
3	63	57	52	62	56	52	59	55	51
4	56	50	45	55	49	44	53	48	44
5	50	44	39	49	43	39	48	42	38
6	45	39	34	45	38	34	43	38	34
7	41	35	30	41	35	30	40	34	30
8	38	31	27	37	31	27	36	31	27
9	35	29	24	34	28	24	33	28	24
10	32	26	22	32	26	22	31	26	22

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixture
0-30	1312.2	23.4	30.7
0-40	2162.1	38.6	50.6
0-60	3628.5	64.8	84.8
0-90	4277	76	100
90-180	0	0	0
0-180	4277	76.4	100.0



GT8-2X2

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** 2GT8 2 U316 A12 MVOLT GEB10IS EL  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**  
**F1E**



**FEATURES & SPECIFICATIONS**

**INTENDED USE** — Low-profile static luminaire provides general illumination for recessed applications; ideal for restricted plenum spaces. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

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** — 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.

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

**WARRANTY** — 1-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

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

Note: Specifications subject to change without notice.

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General Purpose T8 Troffer

**GT8 2'X2'**

**COMPACT FLUORESCENT, STRAIGHT AND U LAMPS**

2, 3 or 4 Lamps  
CF or T8 only

*Specifications*

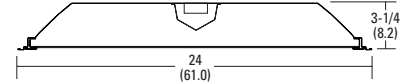
Length: 24 (61.0)

Width: 24 (61.0)

Depth: 3-1/4 (8.2)

Weight: 19 lbs (8.6 kg)

All dimensions are inches (centimeters) unless otherwise indicated.



**ORDERING INFORMATION**

For shortest lead times, configure products using **bolded options**.

**Example:** 2GT8 2 U316 A12 MVOLT GEB10IS EL

Series	Trim type	Number of lamps <sup>1</sup>	Lamp type	Door frame	Diffuser type	Voltage	Ballast
<b>2GT8</b> 2' wide	(blank) Grid F Overlapping flanged	<b>2</b> 3 4 Not included	<b>17</b> 17WT8 (24") <b>U31</b> 31WT8 (24") <b>U316</b> 32WT8 U (6" leg, 24") <sup>2</sup> <b>CF40</b> 40W TT5 (24") <sup>2</sup>	(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	<b>A12</b> #12 pattern acrylic <b>A12125</b> #12 pattern acrylic, .125" thick <b>A19</b> #19 pattern acrylic, .156" thick A15 #15 pattern acrylic, .2" thick PC15 1/2" x 1/2" x 1/2" plastic cube louver, silver PC25 1-1/2" x 1-1/2" x 1" plastic cube louver, silver w/ flange <sup>3</sup> PC35 3/4" x 3/4" x 1/2" plastic cube louver, silver	<b>120</b> 277 347 <b>MVOLT*</b> Others available	<b>1/4</b> One 4-lamp ballast <b>1/3</b> One 3-lamp ballast <b>GEB10IS</b> Electronic ballast, <10% THD, instant start <b>GEB10RS</b> Electronic ballast, <10% THD, rapid start <b>GEB10PS</b> Electronic ballast, <10% THD, programmed start <sup>3</sup> <b>EL</b> Emergency battery pack (nominal 300 lumens) GLR Internal fast-blow fuse <sup>6</sup> GMF Internal slow-blow fuse <sup>6</sup> LST Tandem-wired fixture pairs (shared ballasts) <b>PWS1836</b> 6' prewire, 3/8" dia., 18-gauge, 1 circuit LP_ Lamped, specify lamp type and color <b>LP735</b> Lamped, 700-series, 3500K JP Palletized and stretch-wrapped without individual cartons; grid trim only <b>CSA</b> CSA Certified <b>NOM</b> NOM Certified

**Notes**

- 4-lamp models available with 17-watt straight tubes only.
- Not available on 3-lamp models. Use U31.
- Available with flush door frames only.
- MVOLT standard for 120-277V applications, 50-60 Hz operation. Some options require voltage specified.
- Not available with compact fluorescent lamps – use GEB10RS.
- Must specify voltage 120 or 277.

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** 2GT8 2 U316 A12 MVOLT GEB10IS EL  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

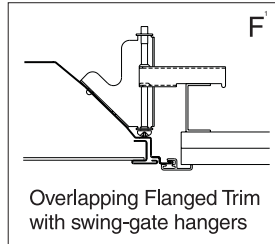
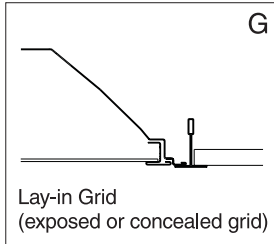
**Type:**

**F1E**

**GT8 2'x2' Static T8 Troffer**

**MOUNTING DATA**

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

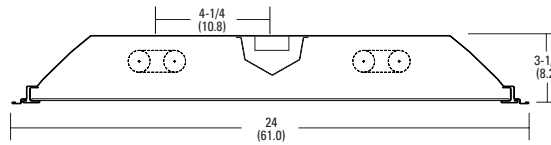
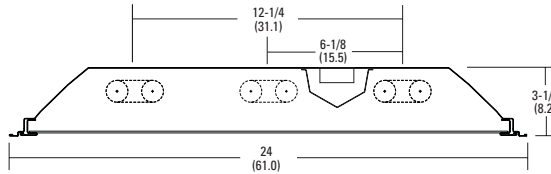
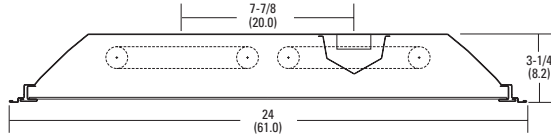


**NOTE:**

1 Recommended rough-in dimensions for F-trim fixtures 24"x24". (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**

All dimensions are inches (centimeters) unless specified otherwise.



**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 2CF40 A12**

Report LTL 7533

Lumens per lamp - 3150 – Lum. eff. - 84.3%

S/MH (along) 1.2 (across) 1.4

**Coefficient of Utilization**

Ceiling	80%				70%				50%				
	Wall	70%	50%	30%	Wall	70%	50%	30%	Wall	70%	50%	30%	
0	100	100	100	98	98	98	94	94	94				
1	92	89	85	90	87	84	83	81	78				
2	85	78	73	82	77	72	74	70	66				
3	78	69	63	76	68	62	66	60	56				
4	71	62	55	70	61	54	59	53	49				
5	66	56	48	64	55	48	53	47	42				
6	61	50	43	60	50	43	48	42	38				
7	57	46	39	55	45	38	44	38	33				
8	53	42	35	52	41	35	40	34	30				
9	49	39	32	48	38	32	37	31	27				
10	46	36	29	45	35	29	34	29	25				

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixture
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0-40	2736	43.4	51.5
0-60	4514	71.6	85.0
0-90	5309	84.3	100.0
90-180	0	0	0
0-180	5309	84.3	100.0

**2GT8 2U316 A12**

Report LTL 7534

Lumens per lamp - 2600 – Lum. eff. - 72.9%

S/MH (along) 1.2 (across) 1.4

**Coefficient of Utilization**

Ceiling	80%				70%				50%				
	Wall	70%	50%	30%	Wall	70%	50%	30%	Wall	70%	50%	30%	
0	87	87	87	85	85	85	81	81	81				
1	80	77	74	78	75	72	72	70	68				
2	73	68	63	71	66	62	64	60	57				
3	67	60	54	65	59	54	57	52	49				
4	62	54	48	60	53	47	51	46	42				
5	57	48	42	56	47	42	46	41	37				
6	53	44	37	52	43	37	42	36	32				
7	49	40	34	48	39	33	38	33	29				
8	46	36	30	45	36	30	35	30	26				
9	43	33	28	42	33	27	32	27	23				
10	40	31	25	39	30	25	30	25	21				

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixture
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0-40	1950	37.5	51.4
0-60	3220	61.9	84.9
0-90	3793	72.9	100.0
90-180	0	0	0
0-180	3793	72.9	100.0

**2GT8 2U31 A12**

Report LTL 8352

Lumens per lamp - 2800 – Lum. eff. - 76%

S/MH (along) 1.2 (across) 1.4

**Coefficient of Utilization**

Ceiling	80%				70%				50%				
	Wall	70%	50%	30%	Wall	70%	50%	30%	Wall	70%	50%	30%	
0	91	91	91	89	89	89	85	85	85				
1	80	77	74	78	76	73	75	73	71				
2	71	66	62	69	65	61	67	63	60				
3	63	57	52	62	56	52	59	55	51				
4	56	50	45	55	49	44	53	48	44				
5	50	44	39	49	43	39	48	42	38				
6	45	39	34	45	38	34	43	38	34				
7	41	35	30	41	35	30	40	34	30				
8	38	31	27	37	31	27	36	31	27				
9	35	29	24	34	28	24	33	28	24				
10	32	26	22	32	26	22	31	26	22				

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixture
0 - 30	1312.2	23.4	30.7
0 - 40	2162.1	38.6	50.6
0 - 60	3628.5	64.8	84.8
0 - 90	4277	76	100
90 - 180	0	0	0
0 - 180	4277	76.4	100.0



GT8-2X2

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** 2M 2 U316 A12 MVOLT GEB10IS  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**  
**F1S**



**FEATURES & SPECIFICATIONS**

**CONSTRUCTION** — Surface or stem-mounted lensed fixture for general illumination in commercial offices and retail applications. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Housing formed from cold-rolled steel. Plasma seam welded corners provide a clean finish and eliminate light leaks. 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. Powder-painted steel latches provide easy, secure door closure. Superior mechanical light seal requires no foam gasketing.

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

**OPTICS** — Standard pattern #12 lens is 100% virgin acrylic. Other lenses and diffusers available.

**ELECTRICAL** — Standard ballast is electronic, thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast. Universal voltage. Sound rated A.

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

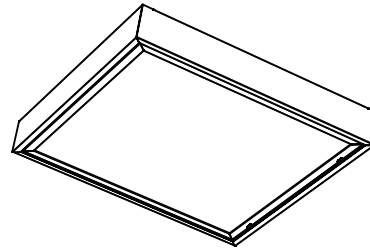
**LISTINGS** — Standard: UL and CSA certified.

**WARRANTY** — 1-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type



**Modular Commercial**

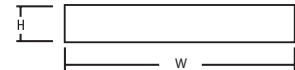
**M 2X2**

**COMPACT FLUORESCENT**

Straight and U-lamps  
2, 3 or 4 lamps

**Specifications**

Length: 24 (61)  
Width: 24-1/4 (61.6)  
Height: 3-1/2 (8.9)  
Weight: 14 lbs. (6.4 kg.)  
All dimensions are inches (centimeters) unless otherwise indicated.



**ORDERING INFORMATION**

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

**Example:** 2M 2 U316 A12125 MVOLT GEB10IS

2M	2	U316		A12	MVOLT	GEB10IS
Series	Lamps	Lamp Type	Frame Type	Diffuser	Voltage	Options
<b>2M</b>	<b>2</b> 3 4 <sup>1</sup>	<b>U316</b> 32W T8 U (6" leg, 24") <b>17</b> 17W T8 (24") <b>U31</b> 32W T8 (24") <b>CF40</b> 40W TT5 (24") <sup>2</sup> <b>14T5</b> 14W T5 (24") <b>24T5H0</b> 24W T5H0 (24")	<b>blank</b> Flush steel, white FN Flush aluminum, natural FM Flush aluminum, matte black <b>FW</b> Flush aluminum, white RN Regressed aluminum, natural RM Regressed aluminum, matte black <b>RW</b> Regressed aluminum, white	<b>A12</b> #12 pattern acrylic <b>A12125</b> #12 pattern acrylic, .125" thick <b>A19</b> #19 pattern acrylic, .156" thick <b>PC15</b> 1/2" x 1/2" x 1/2" plastic cube louver, silver PC2S 1-1/2" x 1-1/2" x 1-1/2" plastic cube louver, silver w/ flange <sup>1</sup> PC3S 3/4" x 3/4" x 1/2" plastic cube louver, silver	347 <b>MVOLT</b> Others available	Shipped installed in fixture <b>1/3</b> One 3-lamp ballast <b>1/4</b> One 4-lamp ballast <b>GEB10IS</b> <b>Electronic ballast, ≤10% THD, instant start (T8 only)</b> <b>GEB10RS</b> Electronic ballast, ≤10% THD, rapid start <b>GEB10PS</b> Electronic ballast, ≤10% THD, programmed start <sup>3</sup> <b>EL6</b> Emergency battery pack (nominal 600 lumens) <sup>4</sup> GLR Internal fast-blow fuse GMF Internal slow-blow fuse <b>LP835</b> Lamped; 800-series; 3500 K <b>LP841</b> Lamped; 800-series; 4100 K FTC Top of fixture fully enclosed CRE Continuous row, end (KO in shroud end) CRM Continuous row, middle (KO in both ends) <b>NOM</b> NOM Certified

<b>Accessories:</b> Order as separate catalog number	
<b>SQ</b>	Swivel stem hanger (specify length in 2" increments).
<b>1B</b>	Ceiling spacer (1-1/2" to 2-1/2" from ceiling).

**Notes**

- Four-lamp models available with 14W and 17W straight-tube lamps only.
- Not available on three- or four-lamp models (use U31).
- Not available with compact fluorescent or 347V with T8 lamps -- use GEB10RS.
- Not available on three- or four-lamp models.

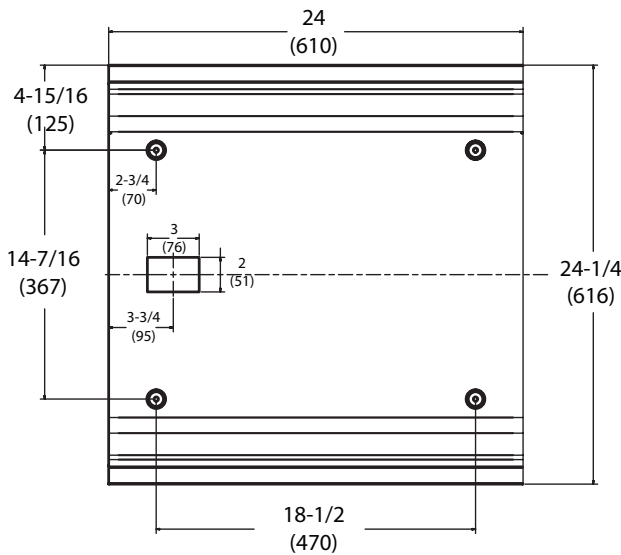
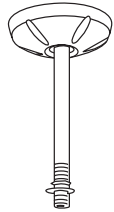


## M-2X2 Modular Commercial

### MOUNTING DATA

For unit or row installation. Surface or stem mounting.

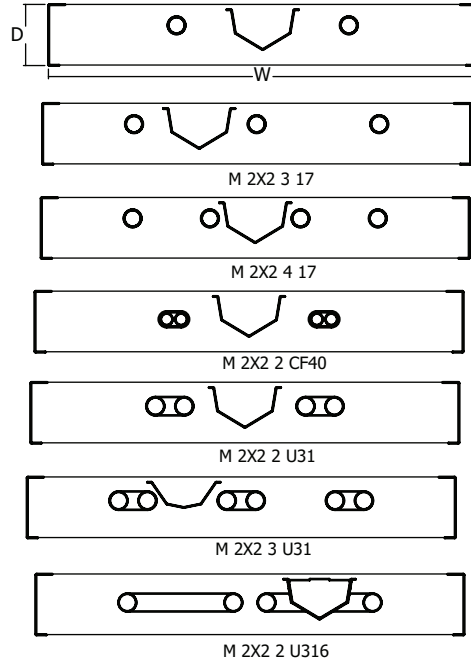
UNIT/ROW INSTALLATION — When stem-mounting, four stems are recommended per fixture.



### DIMENSIONS

All dimensions are inches (millimeters). Specifications subject to change without notice.

D = 3.5"  
 W = 24.25"  
 L = 24"



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

LER.FW	ANNUAL ENERGY COST*	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	WATTS
61	\$3.93	(2) 32W U T8	2800	.88	58

\*Calculated in accordance with NEMA Standards LE-5.

### PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. All data based on 25°C. Full photometric data on these and other configurations available upon request.

TEST NO: LTL18549

LUMINAIRE CATALOG NO.: 2M 2 U316 A12 MVOLT GEB10IS

LUMENS PER LAMP: 2850

TEST NO: LTL18594

LUMINAIRE CATALOG NO.: 2M 2 17 A12 MVOLT GEB10IS

LUMENS PER LAMP: 1350

#### Coefficients of Utilization

R.C.	pc	pw	Coefficients of Utilization								
			80%			70%			50%		
			50%	30%	10%	50%	30%	10%	50%	30%	10%
0	85	85	85	83	83	83	80	80	80		
1	75	73	70	74	71	69	71	69	67		
2	67	62	58	65	61	58	63	59	56		
3	59	54	49	58	53	49	56	52	48		
4	53	47	42	52	46	42	50	45	42		
5	48	41	37	47	41	37	45	40	36		
6	43	37	33	42	37	32	41	36	32		
7	39	33	29	39	33	29	37	32	29		
8	36	30	26	35	30	26	34	29	26		
9	33	27	23	33	27	23	32	27	23		
10	30	25	21	30	25	21	29	25	21		

#### Coefficients of Utilization

R.C.	pc	pw	Coefficients of Utilization								
			80%			70%			50%		
			50%	30%	10%	50%	30%	10%	50%	30%	10%
0	84	84	84	82	82	82	78	78	78		
1	74	71	68	72	70	67	69	67	65		
2	65	61	57	64	60	56	61	58	55		
3	58	52	48	57	52	48	54	50	47		
4	51	46	41	51	45	41	49	44	40		
5	46	40	36	45	40	36	44	39	35		
6	42	36	31	41	35	31	40	35	31		
7	38	32	28	37	32	28	36	31	28		
8	35	29	25	34	29	25	33	28	25		
9	32	26	22	31	26	22	31	26	22		
10	29	24	20	29	24	20	28	24	20		

#### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1296.6	22.7	31.8
0° - 40°	2120.0	37.2	51.9
0° - 60°	3484.2	61.1	85.4
0° - 90°	4081.1	71.6	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	4081.1	71.6	100.0

#### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	581.1	21.5	30.7
0° - 40°	960.9	35.6	50.7
0° - 60°	1608.3	59.6	84.9
0° - 90°	1894.0	70.1	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	1894.0	70.1	100.0



M-2X2

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** 2M 2 U316 A12 MVOLT GEB10IS EL  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**

**F1SE**



**FEATURES & SPECIFICATIONS**

**CONSTRUCTION** — Surface or stem-mounted lensed fixture for general illumination in commercial offices and retail applications. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Housing formed from cold-rolled steel. Plasma seam welded corners provide a clean finish and eliminate light leaks. 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. Powder-painted steel latches provide easy, secure door closure. Superior mechanical light seal requires no foam gasketing.

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

**OPTICS** — Standard pattern #12 lens is 100% virgin acrylic. Other lenses and diffusers available.

**ELECTRICAL** — Standard ballast is electronic, thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast. Universal voltage. Sound rated A.

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

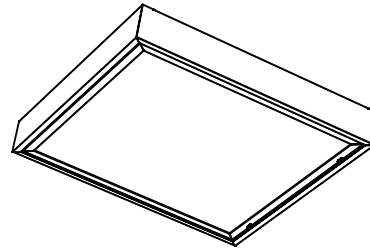
**LISTINGS** — Standard: UL and CSA certified.

**WARRANTY** — 1-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type



**Modular Commercial**

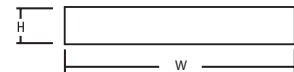
**M 2X2**

**COMPACT FLUORESCENT**

Straight and U-lamps  
2, 3 or 4 lamps

Specifications

Length: 24 (61)  
Width: 24-1/4 (61.6)  
Height: 3-1/2 (8.9)  
Weight: 14 lbs. (6.4 kg.)  
All dimensions are inches (centimeters) unless otherwise indicated.



**ORDERING INFORMATION**

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

**Example:** 2M 2 U316 A12125 MVOLT GEB10IS

2M	2	U316			A12	MVOLT	GEB10IS EL
Series	Lamps	Lamp Type		Frame Type	Diffuser	Voltage	Options
<b>2M</b>	<b>2</b> 3 4 <sup>1</sup>	<b>U316</b>	<b>32W T8 U (6" leg, 24")</b>	<b>blank</b> <b>Flush steel, white</b>	<b>A12</b> <b>#12 pattern acrylic</b>	347 <b>MVOLT</b> Others available	Shipped installed in fixture 1/3 One 3-lamp ballast 1/4 One 4-lamp ballast <b>GEB10IS</b> <b>Electronic ballast, ≤10% THD, instant start (T8 only)</b> <b>GEB10RS</b> Electronic ballast, ≤10% THD, rapid start <b>GEB10PS</b> Electronic ballast, ≤10% THD, programmed start <sup>3</sup> <b>EL6</b> <b>Emergency battery pack (nominal 600 lumens)<sup>4</sup></b> GLR Internal fast-blow fuse GMF Internal slow-blow fuse <b>LP835</b> Lamped; 800-series; 3500 K <b>LP841</b> Lamped; 800-series; 4100 K FTC Top of fixture fully enclosed CRE Continuous row, end (KO in shroud end) CRM Continuous row, middle (KO in both ends) <b>NOM</b> NOM Certified
		<b>17</b>	17W T8 (24")	FN Flush aluminum, natural	<b>A12125</b> #12 pattern acrylic, .125" thick		
		<b>U31</b>	32W T8 (24")	FM Flush aluminum, matte black	<b>A19</b> #19 pattern acrylic, .156" thick		
		<b>CF40</b>	40W TT5 (24") <sup>2</sup>	FW Flush aluminum, white	<b>PC15</b> 1/2" x 1/2" x 1/2" plastic cube louver, silver		
		<b>14T5</b>	14W T5 (24")	RN Regressed aluminum, natural	<b>PC2S</b> 1-1/2" x 1-1/2" x 1-1/2" plastic cube louver, silver w/ flange <sup>1</sup>		
		<b>24T5H0</b>	24W T5H0 (24")	RM Regressed aluminum, matte black	<b>PC3S</b> 3/4" x 3/4" x 1/2" plastic cube louver, silver		
				RW Regressed aluminum, white			

<b>Accessories:</b> Order as separate catalog number	
<b>SQ</b>	Swivel stem hanger (specify length in 2" increments).
<b>1B</b>	Ceiling spacer (1-1/2" to 2-1/2" from ceiling).

**Notes**

- Four-lamp models available with 14W and 17W straight-tube lamps only.
- Not available on three- or four-lamp models (use U31).
- Not available with compact fluorescent or 347V with T8 lamps -- use GEB10RS.
- Not available on three- or four-lamp models.

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** 2M 2 U316 A12 MVOLT GEB10IS EL  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**

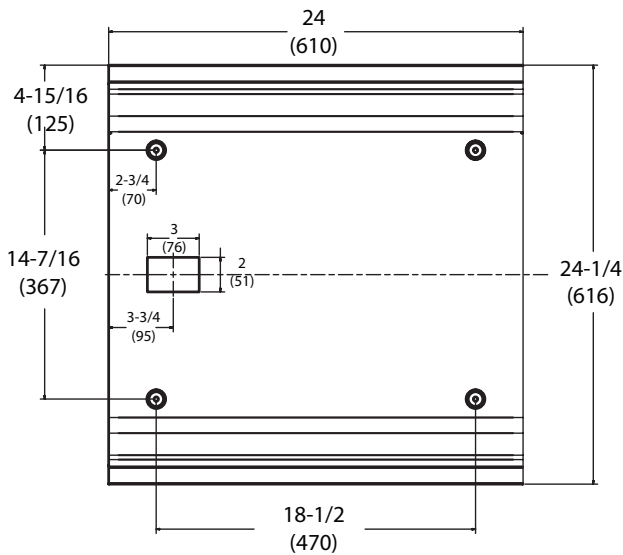
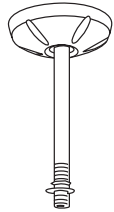
**F1SE**

**M-2X2 Modular Commercial**

**MOUNTING DATA**

For unit or row installation. Surface or stem mounting.

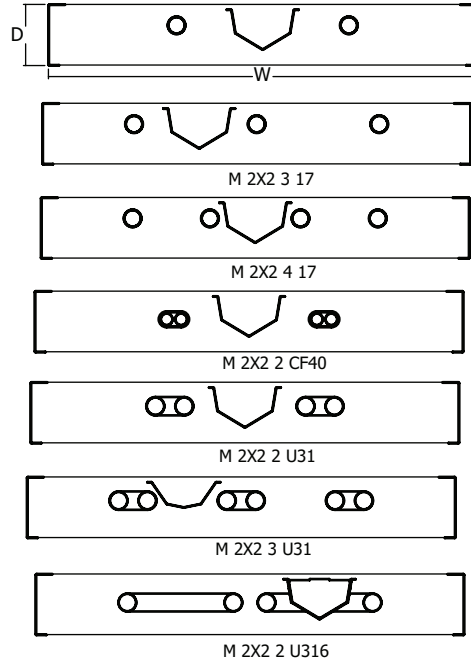
**UNIT/ROW INSTALLATION**—When stem-mounting, four stems are recommended per fixture.



**DIMENSIONS**

All dimensions are inches (millimeters). Specifications subject to change without notice.

D = 3.5"  
W = 24.25"  
L = 24"



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

LER.FW	ANNUAL ENERGY COST*	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	WATTS
61	\$3.93	(2) 32W U T8	2800	.88	58

\*Calculated in accordance with NEMA Standards LE-5.

**PHOTOMETRICS**

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. All data based on 25°C. Full photometric data on these and other configurations available upon request.

TEST NO: LTL18549

LUMINAIRE CATALOG NO.: 2M 2 U316 A12 MVOLT GEB10IS  
LUMENS PER LAMP: 2850

TEST NO: LTL18594

LUMINAIRE CATALOG NO.: 2M 2 17 A12 MVOLT GEB10IS  
LUMENS PER LAMP: 1350

R/C	pc	Coefficients of Utilization								
		80%			70%			50%		
		50%	30%	10%	50%	30%	10%	50%	30%	10%
0	85	85	85	83	83	83	80	80	80	
1	75	73	70	74	71	69	71	69	67	
2	67	62	58	65	61	58	63	59	56	
3	59	54	49	58	53	49	56	52	48	
4	53	47	42	52	46	42	50	45	42	
5	48	41	37	47	41	37	45	40	36	
6	43	37	33	42	37	32	41	36	32	
7	39	33	29	39	33	29	37	32	29	
8	36	30	26	35	30	26	34	29	26	
9	33	27	23	33	27	23	32	27	23	
10	30	25	21	30	25	21	29	25	21	

R/C	pc	Coefficients of Utilization								
		80%			70%			50%		
		50%	30%	10%	50%	30%	10%	50%	30%	10%
0	84	84	84	82	82	82	78	78	78	
1	74	71	68	72	70	67	69	67	65	
2	65	61	57	64	60	56	61	58	55	
3	58	52	48	57	52	48	54	50	47	
4	51	46	41	51	45	41	49	44	40	
5	46	40	36	45	40	36	44	39	35	
6	42	36	31	41	35	31	40	35	31	
7	38	32	28	37	32	28	36	31	28	
8	35	29	25	34	29	25	33	28	25	
9	32	26	22	31	26	22	31	26	22	
10	29	24	20	29	24	20	28	24	20	

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	1296.6	22.7	31.8
0° - 40°	2120.0	37.2	51.9
0° - 60°	3484.2	61.1	85.4
0° - 90°	4081.1	71.6	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	4081.1	71.6	100.0

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	581.1	21.5	30.7
0° - 40°	960.9	35.6	50.7
0° - 60°	1608.3	59.6	84.9
0° - 90°	1894.0	70.1	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	1894.0	70.1	100.0



M-2X2

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** LB 2 32 MVOLT GEB10IS  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**  
**F3**



**FEATURES & SPECIFICATIONS**

**INTENDED USE** — For applications that require the clean appearance of a low profile, brightness controlled wraparound. Provides broad distribution of light for offices, schools and corridors. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Metal parts are die formed from code-gauge steel. Prismatic diffuser is 100% acrylic with sonically welded luminous ends. Continuous side flanges on fixture body provide light trap and continuous diffuser support to prevent accidental opening and simplify maintenance.

Finish: Five stage iron-phosphate pretreatment assure superior paint adhesion and rust resistance. Painted parts finished with high-gloss, high-reflectivity baked white polyester enamel (low VOC).

**OPTICS** — Curved prismatic diffuser with linear side prisms minimize lamp image and provides high angle brightness control. Luminous end plates soften appearance for improved aesthetics.

**ELECTRICAL** — Thermally-protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast is standard. Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

UL/CSA Listed ballast disconnect w/strain relief and leads provided standard.

**LISTINGS** — UL Listed to US and Canadian safety standards. Optional: Canada CSA or Mexico NOM

**WARRANTY** — 1-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type

**Low-Profile Wraparound**

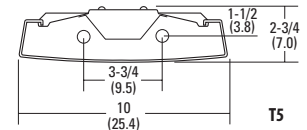
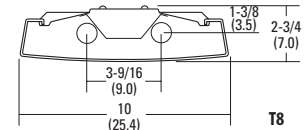


**LB**

T8/T5  
NARROW BODY  
2', 4' or 8' length  
2 lamps

*Specifications*

- T8 length: 24 (61.0)  
48 (122.0)  
96 (243.9)
- T5 length: 22-1/2 (57.2)  
46-1/2 (118.1)  
92-1/2 (235.0)
- Width: 10 (25.4)
- Depth: 2-3/4 (7.0)



All dimensions are inches (centimeters) unless specified otherwise.

**ORDERING INFORMATION**

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

**Example:** LB 2 32 MVOLT GEB10IS

LB	2	32	MVOLT	GEB10IS
Series	Number of lamps	Lamp type	Voltage	Options
<b>LB</b> 2 lamps, 10" wide For tandem double-length unit, add prefix T. Example: TLB	<b>2</b> Not included	17 17W T8 (24") <b>32 32W T8 (48")</b> 14T5 14W T5 (22-1/2") 28T5 28W T5 (46-1/2") 54T5HO 54W T5 HO (46-1/2")	120 277 347 <b>MVOLT<sup>1</sup></b> Others available	<b>GEB10IS</b> Electronic ballast, ≤10% THD, instant start GEB10PS Electronic ballast, ≤10% THD, programmed start GEB95 .95 ballast factor <sup>2</sup> GEB955 .95 ballast factor, step dimming <sup>2</sup> EL Emergency battery pack (nominal 300 lumens, see Life Safety Section) <sup>3</sup> EL14 Emergency battery pack (nominal 1400 lumens, see Life Safety Section) <sup>3</sup> GLR Internal fast-blow fuse <sup>4</sup> GMF Internal slow-blow fuse <sup>4</sup> CSA Listed and labeled to comply with Canadian Standards SSR Specular silver interior finish (95% reflective) NOM NOM certified

**Accessories:** Order as separate catalog number.

- SQ Swivel-stem hanger (specify in 2" increments)
- 1B Ceiling spacer (adjusts from 1-1/2" to 2-1/2" from ceiling)

**Notes**

- 1 Electronic ballast 120V through 277V only.
- 2 Only available with 14T5 or 28T5.
- 3 Not available with T5 2' configuration.
- 4 Must specify voltage.

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** LB 2 32 MVOLT GEB10IS  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**  
**F3**

**LB Low-Profile Wraparound, Narrow Body**

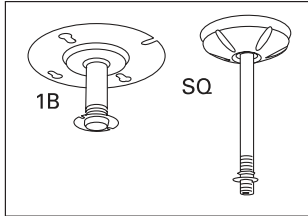
**MOUNTING DATA**

For unit or row installation, surface or stem mounting. Stem mounting not available on TLB units.

**Individual installation** — Two single-stem hangers required.

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

See ACCESSORIES below for hanging devices.



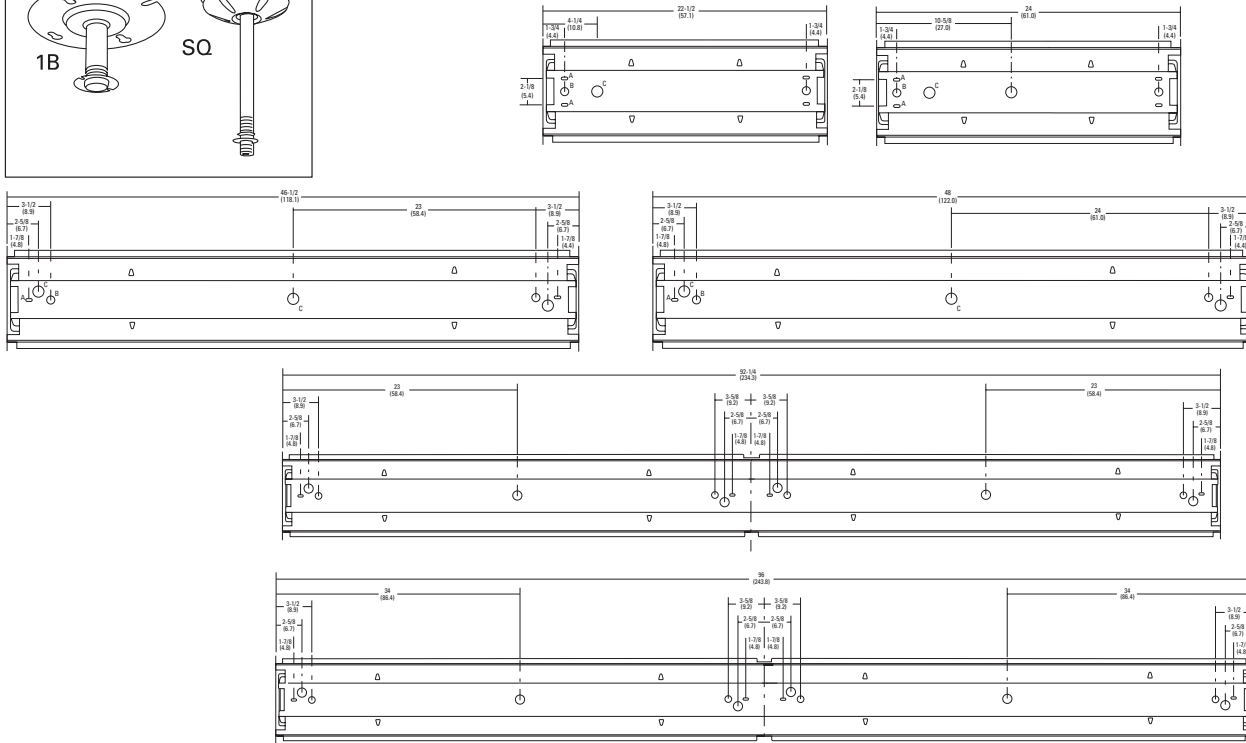
**DIMENSIONS**

Inches (centimeters). Subject to change without notice.

A = 1/4 x 1/2 (.635 x 1.27) Oval Hole

B = 11/16 (1.74) Dia. K.O.

C = 7/8 (2.22) Dia. K.O.



**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.

**Test # BAL16520 - LB 2 32 MVOLT**

RCP	pc	Coefficients of Utilization											
		20%											
		80%		50%		30%		10%		0%			
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
0	103	103	103	92	92	92	86	86	86	80	80	80	77
1	89	86	82	80	77	75	75	73	70	70	68	66	64
2	79	73	68	71	66	63	66	63	59	62	59	56	54
3	70	63	57	63	58	53	59	54	51	55	52	48	46
4	62	55	49	56	51	46	53	48	44	50	46	42	40
5	56	48	42	51	45	40	48	43	39	45	41	37	35
6	50	43	37	46	40	35	43	38	34	41	36	33	31
7	46	38	33	42	36	31	40	34	30	38	33	29	28
8	42	35	30	39	32	28	36	31	27	35	30	26	25
9	38	31	27	35	30	25	34	28	25	32	27	24	22
10	35	29	24	33	27	23	31	26	23	30	25	22	20

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1383.1	23.4	26.3
0° - 40°	2263.3	38.4	43.1
0° - 60°	3676.3	62.3	69.9
0° - 90°	4533.6	76.8	86.3
90° - 180°	722.4	12.2	13.7
0° - 180°	5256.0	89.1	100.0

**Test # LTL 19928 - LB 2 28T5 GEB95**

**Coefficient of Utilization - Zonal Cavity Method**

**Effective Floor Cavity Reflectance: 20%**

RCC%	Effective Floor Cavity Reflectance: 20%																	
	80%			70%			50%			30%			10%			0%		
RWC%	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
1	1.03	1.03	1.03	1.03	1.00	1.00	1.00	.77	.93	.93	.93	.86	.86	.86	.80	.80	.80	.77
2	.94	.90	.86	.82	.90	.86	.83	.65	.81	.78	.75	.75	.73	.71	.70	.68	.67	.64
3	.86	.79	.73	.68	.83	.76	.71	.55	.71	.67	.63	.66	.63	.60	.62	.59	.57	.54
4	.79	.70	.63	.57	.76	.67	.61	.48	.63	.58	.54	.59	.55	.51	.56	.52	.49	.46
5	.72	.62	.55	.49	.70	.60	.53	.42	.57	.51	.46	.53	.48	.44	.50	.46	.43	.40
6	.67	.56	.48	.43	.64	.54	.47	.37	.51	.45	.40	.48	.43	.39	.45	.41	.37	.35
7	.62	.51	.43	.37	.59	.49	.42	.33	.46	.40	.36	.44	.38	.34	.41	.37	.33	.31
8	.57	.46	.39	.33	.55	.45	.38	.29	.42	.36	.32	.40	.35	.31	.38	.33	.30	.28
9	.54	.42	.35	.30	.52	.41	.34	.26	.39	.33	.28	.37	.32	.28	.35	.30	.27	.25
10	.50	.39	.32	.27	.48	.38	.31	.24	.36	.30	.26	.34	.29	.25	.32	.28	.24	.23
10	.47	.36	.29	.24	.45	.35	.28	.22	.33	.27	.23	.32	.26	.23	.30	.25	.22	.21

**Zonal Lumens Summary**

Zone	Lumens	% Lamp	% Fixture
0-30	1,239.0	23.8	26.7
0-40	2,020.6	38.9	43.6
0-60	3,264.4	62.8	70.4
60-90	765.6	14.7	16.5
70-100	626.7	12.1	13.5
90-120	421.8	8.1	9.1
0-90	4,030.0	77.5	86.9
90-180	607.0	11.7	13.1
0-180	4,637.0	89.2	100



LB-N

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** 6HF 2/26DTT MVOLT F602AZ  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**  
**F4**



**FEATURES & SPECIFICATIONS**

**INTENDED USE**

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospital-ity spaces where an open or damp location lensed fixture is required.

**CONSTRUCTION**

Galvanized steel mounting frame with mechanical trim retention (yoke) ensures secure and flush reflector mounting to ceiling. Mounting frame has cutout section for remodel applications when installation from below is necessary.

Galvanized bar hangers span up to 24" o.c. and feature built-in T-bar clips and nailers for T-bar or wood joist installation.

Frames equipped with galvanized junction box UL Listed for through wire applications.

Maximum 1-1/2" ceiling thickness.

**OPTICS**

Aluminum full reflectors are optically designed to maximize lumen output and to provide superior glare control. Anodized finishes for open reflectors are semi-specular or diffuse in a variety of colors. Polyester powder coat finishes also are available in white.

Lenses are available in clear flat glass, tempered prismatic glass, or polycarbonate to provide optimal visual comfort and improved aesthetics. Lens is recessed 1-1/2 (3.8) from flange.

**ELECTRICAL**

Electronic ballast with end of lamp life protection standard. Class P thermally protected ballast protects against improper contact with insulation. Minimum starting temperature is 0°F/-18°C.

Rated for #12 AWG conductor thru-branch wiring. Minimum 90° supply wire. Ground wire provided.

**Lamp Socket Base:**

DTT 4-pin lamps – 13W (G24Q-1); 18W (G24Q-2); 26W (G24Q-3)

**LISTING**

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian Safety Standards.

Catalog Number
Notes
Type

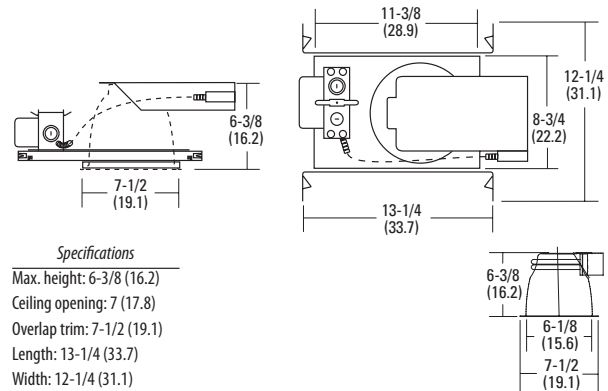
**Compact Fluorescent Downlighting**



**6" 6HF**

**OPEN REFLECTOR**

Horizontal, 2-Lamp Double Twin-Tube (DTT)



*Specifications*

- Max. height: 6-3/8 (16.2)
  - Ceiling opening: 7 (17.8)
  - Overlap trim: 7-1/2 (19.1)
  - Length: 13-1/4 (33.7)
  - Width: 12-1/4 (31.1)
- All dimensions are inches (centimeters).

**ORDERING INFORMATION**

For shortest lead times, configure products using **bolded options**.

**Example:** 6HF 2/26DTT F602AZ MVOLT

6HF Series	2 / 26DTT Wattage/Lamp	F602AZ Reflector/Color	Lens type	MVOLT Voltage	Options <sup>1</sup>
<b>6HF</b>	2/13DTT <sup>1</sup> 2/18DTT <b>2/26DTT</b>	<b>F602</b> White open <b>F602A</b> Clear diffuse open <b>F602AZ</b> <b>Semi-specular open</b> F602G Gold diffuse open F602GZ Gold semi-specular open F602PR Pewter diffuse open F602WTZ Wheat semi-specular open	<b>(blank) No lens</b> CGL Clear glass lens T73 Tempered glass prismatic lens PCL Clear polycarbonate lens	<b>MVOLT<sup>2</sup></b> 120 277 347 <sup>3</sup>	ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%. Must be voltage specific. ECOS Lutron EcoSystem electronic dimming ballast, 120-277V. Must be wattage-specific. Minimum dimming level 5%. EL Emergency PSDL3 DL battery pack with integral test switch. Lens removal required before EL testing. <sup>5</sup> ELR Emergency PSDL3 DL battery pack with remote test switch <sup>5</sup> ELRHL2LP IOTA 1-162 emergency battery pack with remote test switch. Operates two 26W, two 32W or two 42W CFL lamps in emergency mode with battery backup in case of power disruption. Average output is 2,600 lumens for 32W lamps and 2,800 lumens for two 42W lamps. <sup>5</sup> GMF Single slow-blow fuse, must specify voltage BDP Ballast disconnect plug (meets codes that require in-fixture disconnect) <sup>3</sup> RIF1 Radio interference filter WLP 35K lamp (shipped separately) TRW White flange

Accessories: Order as separate catalog number.	
SCA6	Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D) Ex: SCA6 10D.
CTE6	Ceiling thickness extender is used when ceiling thickness is greater than 1-1/2 (3.8). Maximum thickness 2 (5.1).

**Notes**

- Not available with ADEZ or ECOS.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- For **additional options**, see [www.lithonia.com](http://www.lithonia.com).
- Ships standard for 1-lamp operation. For 2-lamp operation, consult installation instructions or factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.

Submitting Agency:



Lighting & Electrical Associates, Inc.  
504-887-1235

Description: **6HF 2/26DTT MVOLT F602AZ**  
 Factory: **Lithonia Lighting**  
 Project: **REDEEMER LUTHERAN CHURCH**  
 Notes:

Type:  
**F4**

### 6" 6HF Horizontal, 2-Lamp Double Twin-Tube (DTT), Open

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire																																									
<b>6HF 2/26DTT F602AZ MVOLT, (2) Philips PL-C 26W/27SH lamp, 1.2 s/mh, 3600 rated lumens, test no. 2193120701</b>																																													
	From 0°	cp. Lumens	Zone Lumens %lamp	rf rc 80% 50% 30% 50% 30% 50% 30%	<table border="1"> <thead> <tr> <th rowspan="2">Mount height</th> <th rowspan="2">Initial fc at beam center</th> <th colspan="2">50% Beam angle 58.6°</th> <th colspan="2">10% Beam angle 98.8°</th> </tr> <tr> <th>Beam diameter</th> <th>fc at beam edge</th> <th>Beam diameter</th> <th>fc at beam edge</th> </tr> </thead> <tbody> <tr><td>8'</td><td>29.3</td><td>6.7</td><td>14.7</td><td>13.8</td><td>2.9</td></tr> <tr><td>10'</td><td>15.8</td><td>9.1</td><td>7.9</td><td>18.8</td><td>1.6</td></tr> <tr><td>12'</td><td>9.8</td><td>11.5</td><td>4.9</td><td>23.8</td><td>1.0</td></tr> <tr><td>14'</td><td>6.7</td><td>13.9</td><td>3.4</td><td>28.8</td><td>.7</td></tr> <tr><td>16'</td><td>4.9</td><td>16.4</td><td>2.4</td><td>33.8</td><td>.5</td></tr> </tbody> </table>	Mount height	Initial fc at beam center	50% Beam angle 58.6°		10% Beam angle 98.8°		Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	8'	29.3	6.7	14.7	13.8	2.9	10'	15.8	9.1	7.9	18.8	1.6	12'	9.8	11.5	4.9	23.8	1.0	14'	6.7	13.9	3.4	28.8	.7	16'	4.9	16.4	2.4	33.8	.5
	Mount height	Initial fc at beam center	50% Beam angle 58.6°					10% Beam angle 98.8°																																					
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	14'	6.7	13.9	3.4		28.8	.7																																						
	16'	4.9	16.4	2.4		33.8	.5																																						
	0°	887	0°-30°	741 20.60		1 54 52 53 51 51 50																																							
	5°	903	0°-40°	1165 32.36		2 50 48 49 47 47 46																																							
	15°	960	0°-60°	1750 48.62		3 46 43 45 42 44 42																																							
25°	841	0°-90°	1759 48.89	4 42 39 41 39 40 38																																									
35°	666	90°-180°	0 0.00	5 39 35 38 35 37 35																																									
45°	569	0°-180°	1759 48.89*	6 35 32 35 32 34 31																																									
55°	144	*Total Efficiency		7 32 29 32 29 31 28																																									
65°	7			8 29 26 29 26 29 26																																									
75°	1			9 27 23 27 23 26 23																																									
85°	0			10 25 21 24 21 24 21																																									
90°	0																																												

### 6HF 2/26DTT F602AZ CGL MVOLT, (2) 26W DTT Lamps, 1825 rated lumens per lamp, 1.1 s/mh, test no. LTL15100

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Task Height: 2.5ft.																				
	0°	Zone Lumens % Lamp	pf pc 80% 70% 50%	<table border="1"> <thead> <tr> <th colspan="2">50% beam - 10% beam</th> </tr> <tr> <td>61.4°</td> <td>- 101.9°</td> </tr> </thead> <tbody> <tr> <td colspan="2">Initial fc</td> </tr> <tr> <td>Mtg Center</td> <td></td> </tr> <tr> <th>Ht</th> <th>Beam Diameter fc Diameterfc</th> </tr> <tr><td>8</td><td>27.0 7 14 14 3</td></tr> <tr><td>10</td><td>14.5 9 7 19 1</td></tr> <tr><td>12</td><td>9.1 11 5 23 1</td></tr> <tr><td>14</td><td>6.2 14 3 28 1</td></tr> <tr><td>16</td><td>4.5 16 2 33 0</td></tr> </tbody> </table>	50% beam - 10% beam		61.4°	- 101.9°	Initial fc		Mtg Center		Ht	Beam Diameter fc Diameterfc	8	27.0 7 14 14 3	10	14.5 9 7 19 1	12	9.1 11 5 23 1	14	6.2 14 3 28 1	16	4.5 16 2 33 0
	50% beam - 10% beam																							
	61.4°	- 101.9°																						
	Initial fc																							
	Mtg Center																							
	Ht	Beam Diameter fc Diameterfc																						
	8	27.0 7 14 14 3																						
	10	14.5 9 7 19 1																						
	12	9.1 11 5 23 1																						
	14	6.2 14 3 28 1																						
	16	4.5 16 2 33 0																						
100	0° 818	0° - 30°	664 18.2	0 51 51 50 50 48 48																				
200	5° 804	0° - 40°	1041 28.5	1 47 46 46 45 44 43																				
300	15° 710	0° - 60°	1556 42.6	2 43 40 42 40 40 39																				
400	25° 618	0° - 90°	1576 43.2	3 39 36 38 36 37 35																				
500	35° 531	90° - 180°	0 0.0	4 35 32 35 32 34 31																				
600	45° 447	0° - 180°	1576 43.2	5 32 29 32 29 31 28																				
700	55° 195	Efficiency: 43.2%		6 29 26 29 26 28 25																				
800	65° 16			7 27 24 27 23 26 23																				
	75° 6			8 25 22 24 21 24 21																				
	85° 1			9 23 20 23 20 22 19																				
	90° 0			10 21 18 21 18 21 18																				

### 6HF 2/26DTT F602AZ T73 MVOLT, (2) 26W DTT Lamps, 1825 rated lumens per lamp, 1.1 s/mh, test no. LTL15101

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Task Height: 2.5ft.																				
	0°	Zone Lumens % Lamp	pf pc 80% 70% 50%	<table border="1"> <thead> <tr> <th colspan="2">50% beam - 10% beam</th> </tr> <tr> <td>58.2°</td> <td>- 90.9°</td> </tr> </thead> <tbody> <tr> <td colspan="2">Initial fc</td> </tr> <tr> <td>Mtg Center</td> <td></td> </tr> <tr> <th>Ht</th> <th>Beam Diameter fc Diameterfc</th> </tr> <tr><td>8</td><td>30.2 6 15 11 3</td></tr> <tr><td>10</td><td>16.3 8 8 15 2</td></tr> <tr><td>12</td><td>10.1 11 5 19 1</td></tr> <tr><td>14</td><td>6.9 13 3 23 1</td></tr> <tr><td>16</td><td>5.0 15 3 27 1</td></tr> </tbody> </table>	50% beam - 10% beam		58.2°	- 90.9°	Initial fc		Mtg Center		Ht	Beam Diameter fc Diameterfc	8	30.2 6 15 11 3	10	16.3 8 8 15 2	12	10.1 11 5 19 1	14	6.9 13 3 23 1	16	5.0 15 3 27 1
	50% beam - 10% beam																							
	58.2°	- 90.9°																						
	Initial fc																							
	Mtg Center																							
	Ht	Beam Diameter fc Diameterfc																						
	8	30.2 6 15 11 3																						
	10	16.3 8 8 15 2																						
	12	10.1 11 5 19 1																						
	14	6.9 13 3 23 1																						
	16	5.0 15 3 27 1																						
100	0° 915	0° - 30°	667 18.3	0 47 47 46 46 44 44																				
200	5° 897	0° - 40°	996 27.3	1 43 41 42 41 40 39																				
300	15° 808	0° - 60°	1334 36.5	2 39 37 38 36 37 35																				
400	25° 693	0° - 90°	1445 39.6	3 35 32 34 32 33 31																				
500	35° 563	90° - 180°	0 0.0	4 32 29 31 29 30 28																				
600	45° 310	0° - 180°	1445 39.6	5 29 26 29 26 28 26																				
700	55° 168	Efficiency: 39.6%		6 27 24 26 24 26 23																				
800	65° 89			7 25 22 24 22 24 21																				
	75° 51			8 23 20 23 20 22 20																				
	85° 3			9 21 18 21 18 21 18																				
	90° 0			10 20 17 20 17 19 17																				

NOTE: Energy (Calculated in accordance with NEMA Standard LE-5)



6HF-OPEN-2-DTT

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** 6HF 2/26DTT MVOLT EL F602AZ  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**  
**F4E**



**FEATURES & SPECIFICATIONS**

**INTENDED USE**

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospital-ity spaces where an open or damp location lensed fixture is required.

**CONSTRUCTION**

Galvanized steel mounting frame with mechanical trim retention (yoke) ensures secure and flush reflector mounting to ceiling. Mounting frame has cutout section for remodel applications when installation from below is necessary.

Galvanized bar hangers span up to 24" o.c. and feature built-in T-bar clips and nailers for T-bar or wood joist installation.

Frames equipped with galvanized junction box UL Listed for through wire applications.

Maximum 1-1/2" ceiling thickness.

**OPTICS**

Aluminum full reflectors are optically designed to maximize lumen output and to provide superior glare control. Anodized finishes for open reflectors are semi-specular or diffuse in a variety of colors. Polyester powder coat finishes also are available in white.

Lenses are available in clear flat glass, tempered prismatic glass, or polycarbonate to provide optimal visual comfort and improved aesthetics. Lens is recessed 1-1/2 (3.8) from flange.

**ELECTRICAL**

Electronic ballast with end of lamp life protection standard. Class P thermally protected ballast protects against improper contact with insulation. Minimum starting temperature is 0°F/-18°C.

Rated for #12 AWG conductor thru-branch wiring. Minimum 90° supply wire. Ground wire provided.

**Lamp Socket Base:**

DTT 4-pin lamps – 13W (G24Q-1); 18W (G24Q-2); 26W (G24Q-3)

**LISTING**

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian Safety Standards.

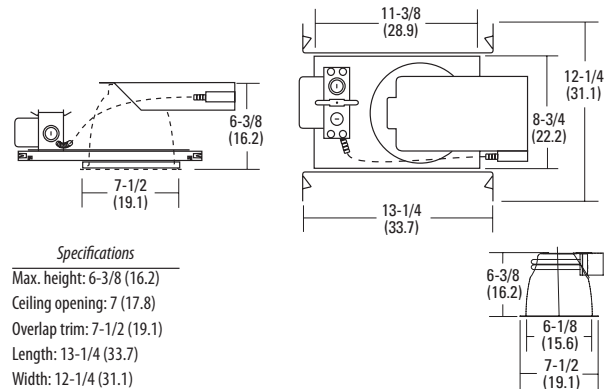
Catalog Number
Notes
Type

**Compact Fluorescent Downlighting**



**6" 6HF**

**OPEN REFLECTOR**  
Horizontal, 2-Lamp Double Twin-Tube (DTT)



*Specifications*

- Max. height: 6-3/8 (16.2)
  - Ceiling opening: 7 (17.8)
  - Overlap trim: 7-1/2 (19.1)
  - Length: 13-1/4 (33.7)
  - Width: 12-1/4 (31.1)
- All dimensions are inches (centimeters).

**ORDERING INFORMATION**

For shortest lead times, configure products using **bolded options**.

**Example:** 6HF 2/26DTT F602AZ MVOLT

6HF Series	2 / 26DTT Wattage/Lamp	F602AZ Reflector/Color	Lens type	MVOLT Voltage	EL Options <sup>1</sup>
<b>6HF</b>	2/13DTT <sup>1</sup> 2/18DTT <b>2/26DTT</b>	<b>F602</b> White open <b>F602A</b> Clear diffuse open <b>F602AZ</b> <b>Semi-specular open</b> F602G Gold diffuse open F602GZ Gold semi-specular open F602PR Pewter diffuse open F602WTZ Wheat semi-specular open	<b>(blank)</b> No lens CGL Clear glass lens T73 Tempered glass prismatic lens PCL Clear polycarbonate lens	<b>MVOLT<sup>2</sup></b> 120 277 347 <sup>3</sup>	ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%. Must be voltage specific. ECOS Lutron EcoSystem electronic dimming ballast, 120-277V. Must be wattage-specific. Minimum dimming level 5%. <b>EL Emergency PSDL3 DL battery pack with integral test switch. Lens removal required before EL testing.<sup>3</sup></b> ELR Emergency PSDL3 DL battery pack with remote test switch <sup>5</sup> ELRHL2LP IOTA 1-162 emergency battery pack with remote test switch. Operates two 26W, two 32W or two 42W CFL lamps in emergency mode with battery backup in case of power disruption. Average output is 2,600 lumens for 32W lamps and 2,800 lumens for two 42W lamps. <sup>5</sup> GMF Single slow-blow fuse, must specify voltage BDP Ballast disconnect plug (meets codes that require in-fixture disconnect) <sup>3</sup> RIF1 Radio interference filter WLP 35K lamp (shipped separately) TRW White flange

Accessories: Order as separate catalog number.	
SCA6	Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D) Ex: SCA6 10D.
CTE6	Ceiling thickness extender is used when ceiling thickness is greater than 1-1/2 (3.8). Maximum thickness 2 (5.1).

**Notes**

- Not available with ADEZ or ECOS.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- For **additional options**, see [www.lithonia.com](http://www.lithonia.com).
- Ships standard for 1-lamp operation. For 2-lamp operation, consult installation instructions or factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.

Submitting Agency:



Lighting & Electrical Associates, Inc.  
504-887-1235

Description: **6HF 2/26DTT MVOLT EL F602AZ**  
 Factory: **Lithonia Lighting**  
 Project: **REDEEMER LUTHERAN CHURCH**  
 Notes:

Type:

**F4E**

**6" 6HF Horizontal, 2-Lamp Double Twin-Tube (DTT), Open**

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire																																									
<b>6HF 2/26DTT F602AZ MVOLT, (2) Philips PL-C 26W/27SH lamp, 1.2 s/mh, 3600 rated lumens, test no. 2193120701</b>																																													
	From 0°	cp. Lumens	Zone Lumens %lamp	rf rc rw 80% 30% 50% 30% 50% 30%	<table border="1"> <thead> <tr> <th rowspan="2">Mount height</th> <th rowspan="2">Initial fc at beam center</th> <th colspan="2">50% Beam angle 58.6°</th> <th colspan="2">10% Beam angle 98.8°</th> </tr> <tr> <th>Beam diameter</th> <th>fc at beam edge</th> <th>Beam diameter</th> <th>fc at beam edge</th> </tr> </thead> <tbody> <tr><td>8'</td><td>29.3</td><td>6.7</td><td>14.7</td><td>13.8</td><td>2.9</td></tr> <tr><td>10'</td><td>15.8</td><td>9.1</td><td>7.9</td><td>18.8</td><td>1.6</td></tr> <tr><td>12'</td><td>9.8</td><td>11.5</td><td>4.9</td><td>23.8</td><td>1.0</td></tr> <tr><td>14'</td><td>6.7</td><td>13.9</td><td>3.4</td><td>28.8</td><td>.7</td></tr> <tr><td>16'</td><td>4.9</td><td>16.4</td><td>2.4</td><td>33.8</td><td>.5</td></tr> </tbody> </table>	Mount height	Initial fc at beam center	50% Beam angle 58.6°		10% Beam angle 98.8°		Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	8'	29.3	6.7	14.7	13.8	2.9	10'	15.8	9.1	7.9	18.8	1.6	12'	9.8	11.5	4.9	23.8	1.0	14'	6.7	13.9	3.4	28.8	.7	16'	4.9	16.4	2.4	33.8	.5
	Mount height	Initial fc at beam center	50% Beam angle 58.6°					10% Beam angle 98.8°																																					
			Beam diameter	fc at beam edge		Beam diameter	fc at beam edge																																						
	8'	29.3	6.7	14.7		13.8	2.9																																						
	10'	15.8	9.1	7.9		18.8	1.6																																						
	12'	9.8	11.5	4.9		23.8	1.0																																						
	14'	6.7	13.9	3.4		28.8	.7																																						
	16'	4.9	16.4	2.4		33.8	.5																																						
	0°	887	0°-30°	741 20.60		1 54 52 53 51 51 50																																							
	5°	903	0°-40°	1165 32.36		2 50 48 49 47 47 46																																							
	15°	960	0°-60°	1750 48.62		3 46 43 45 42 44 42																																							
25°	841	0°-90°	1759 48.89	4 42 39 41 39 40 38																																									
35°	666	90°-180°	0 0.00	5 39 35 38 35 37 35																																									
45°	569	0°-180°	1759 48.89*	6 35 32 35 32 34 31																																									
55°	144	*Total Efficiency			7 32 29 32 29 31 28																																								
65°	7			8 29 26 29 26 29 26																																									
75°	1			9 27 23 27 23 26 23																																									
85°	0			10 25 21 24 21 24 21																																									
90°	0																																												

**6HF 2/26DTT F602AZ CGL MVOLT, (2) 26W DTT Lamps, 1825 rated lumens per lamp, 1.1 s/mh, test no. LTL15100**

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Task Height: 2.5ft.		
	0°	Zone Lumens % Lamp	pf pc pw 80% 30% 50% 30% 50% 30%	50% beam - 10% beam		
	0°	818	0° - 30°	664 18.2	0 51 51 50 50 48 48	61.4° - 101.9°
	5°	804	0° - 40°	1041 28.5	1 47 46 46 45 44 43	
	15°	710	0° - 60°	1556 42.6	2 43 40 42 40 40 39	Initial fc
	25°	618	0° - 90°	1576 43.2	3 39 36 38 36 37 35	Mtg Center
	35°	531	90° - 180°	0 0.0	4 35 32 35 32 34 31	Ht Beam Diameter fc Diameterfc
	45°	447	0° - 180°	1576 43.2	5 32 29 32 29 31 28	8 27.0 7 14 14 3
	55°	195	Efficiency: 43.2%			10 14.5 9 7 19 1
	65°	16			12 9.1 11 5 23 1	
	75°	6			14 6.2 14 3 28 1	
	85°	1			16 4.5 16 2 33 0	
90°	0					

**6HF 2/26DTT F602AZ T73 MVOLT, (2) 26W DTT Lamps, 1825 rated lumens per lamp, 1.1 s/mh, test no. LTL15101**

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Task Height: 2.5ft.		
	0°	Zone Lumens % Lamp	pf pc pw 80% 30% 50% 30% 50% 30%	50% beam - 10% beam		
	0°	915	0° - 30°	667 18.3	0 47 47 46 46 44 44	58.2° - 90.9°
	5°	897	0° - 40°	996 27.3	1 43 41 42 41 40 39	
	15°	808	0° - 60°	1334 36.5	2 39 37 38 36 37 35	Initial fc
	25°	693	0° - 90°	1445 39.6	3 35 32 34 32 33 31	Mtg Center
	35°	563	90° - 180°	0 0.0	4 32 29 31 29 30 28	Ht Beam Diameter fc Diameterfc
	45°	310	0° - 180°	1445 39.6	5 29 26 29 26 28 26	8 30.2 6 15 11 3
	55°	168	Efficiency: 39.6%			10 16.3 8 8 15 2
	65°	89			12 10.1 11 5 19 1	
	75°	51			14 6.9 13 3 23 1	
	85°	3			16 5.0 15 3 27 1	
90°	0					

NOTE: Energy (Calculated in accordance with NEMA Standard LE-5)



6HF-OPEN-2-DTT

Submitting Agency:



Lighting & Electrical Associates, Inc.  
504-887-1235

Description:

**CF11 2/42TRT 10AR MVOLT PM DWHG**

**CYS48 DWHG**

Factory:

Lithonia Lighting

Project:

REDEEMER LUTHERAN CHURCH

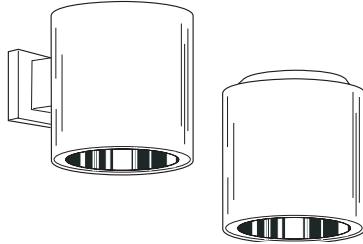
Notes:

Type:

**F5**



Luminaire Type:  
Catalog Number  
(autopopulated):



Gotham Architectural Downlighting  
Compact Fluorescent Cylinders

**11" CF  
Cylinders**

Horizontal Lamp, Double Twin-Tube or Triple-Tube,  
10" Aperture

FEATURES

**OPTICAL SYSTEM**

- Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of reflector to bottom.

**HOUSING**

- Heavy-gauge aluminum housing with integral bottom deck for clean appearance. Matte white textured polyester powder paint finish standard.
- Reveal on standard ceiling and optional pendant mount give floating luminaire appearance.

**MOUNTING**

- Standard ceiling mount provided with mounting pattern for direct installation to 3-1/4" and 4" octagonal or 4" square junction box.
- Optional wall mount provided with mounting pattern for direct installation to 4" square or octagonal junction box.
- Optional pendant mounting entry provided for 3/8" National Pipe Thread stem. Mounting accessories available (see Accessories).

**ELECTRICAL SYSTEM**

- Horizontally mounted, four-pin, positive-latch, thermoplastic sockets.
- Class P, thermally-protected, high-power-factor electronic ballasts.

**LISTING**

- Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian standards.

**WARRANTY**

- 1-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomResources/Terms_and_conditions.aspx)

ORDERING INFORMATION

EXAMPLE: CF11 3/26DTT 10AR 120 DWHG

CF11	2 / 42TRT		10AR				MVOLT			PM
Series	Wattage/Lamp		Trim color		Finish		Voltage	Ballast		Mounting <sup>4</sup>
<b>CF11</b>	1/13TRT	2/26TRT	<b>10AR</b>	Clear	(blank)	Semi-specular	<b>MVOLT<sup>1</sup></b>	(blank)	<b>Electronic ballast</b>	(blank) Ceiling mount
	1/18TRT	2/32TRT	<b>10PR</b>	Pewter	LD	Matte-diffuse	120	<b>ECOS<sup>1,2</sup></b>	Lutron® EcoSystem® electronic dimming ballast. Minimum dimming level 5%	<b>PM<sup>5</sup></b> <b>Pendant 3/8" thread mount</b>
	1/26TRT	<b>2/42TRT</b>	<b>10WTR</b>	Wheat			277	<b>ADEZ<sup>2,3</sup></b>	Advance Mark 10® electronic dimming ballast. Minimum dimming level 5%	<b>WM</b> Wall mount
	1/32TRT	3/13DTT					347	<b>ADZT<sup>1</sup></b>	Advance Mark 7® electronic dimming ballast. Minimum dimming level 5%	
	1/42TRT	3/18DTT								
	2/13TRT	3/26DTT								
	2/18TRT									

**DWHG**

Options

<b>WLP</b>	With 3500 K lamp (shipped separately)	<b>Architectural Colors - Powder Paint<sup>6</sup></b>	
<b>GMF<sup>3</sup></b>	Single slow-blow fuse	<b>DWHG</b>	<b>Matte white (standard)</b>
<b>GLR<sup>3</sup></b>	Single fast-blow fuse	<b>DBL</b>	Black
<b>DS</b>	Dual switching	<b>DNA</b>	Natural aluminum
		<b>DDB</b>	Dark bronze
		<b>DWH</b>	Gloss white

**CYS48 DWHG**

**ACCESSORIES** order as separate catalog numbers (shipped separately)

<b>CYS<sup>7</sup></b>	3/8" stem and canopy with 5° "hang straight" swivel
<b>CRS<sup>7</sup></b>	3/8" stem and canopy with 45° swivel
<b>NEPP5D KO</b>	Sensor Switch® nLight® 0-10V dimming relay. Only available with ADZT ballast

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:**

**CF11 2/42TRT 10AR MVOLT PM DWHG  
CYS48 DWHG**

**Factory:**

Lithonia Lighting

**Project:**

REDEEMER LUTHERAN CHURCH

**Notes:**

**Type:**

**F5**

**11" CF**

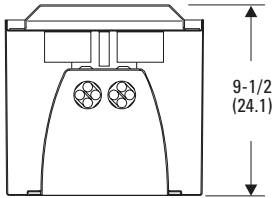
**Cylinders**

Horizontal Lamp, Double Twin-Tube or Triple-Tube, 10" Aperture

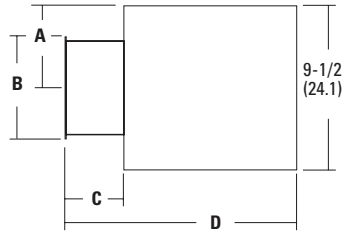


DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.



Reflector Aperture: 6-1/4 (15.9)  
Mounting Diameter: 2-3/4 (7.0)



**Wall Mount Dimensions**

- A = 5 (12.7)
- B = 5-5/16 (13.5)
- C = 3-1/4 (8.3)
- D = 14-9/16 (37.0)

NOTES

**ORDERING NOTES**

1. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 Hz.
2. Not available with 13W.
3. Available in 120V or 277V only.
4. Wires supplied by others.
5. Stem not included.
6. Additional architectural colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors).
7. Color and length of stem must be specified (from 6" to 240" in even increments in maximum sections of 48"). Ex.: CYS06 DWHG. Ceiling attachment for interior use. Consult factory for exterior use. Wire not included.



Submitting Agency:



Lighting & Electrical Associates, Inc.  
504-887-1235

Description: **CF11 2/42TRT 10AR MVOLT PM DWHG  
CYS48 DWHG**  
Factory: **Lithonia Lighting**  
Project: **REDEEMER LUTHERAN CHURCH**  
Notes:

Type:  
**F5**



11" CF  
Cylinders

Horizontal Lamp, Double Twin-Tube or Triple-Tube, 10" Aperture

PHOTOMETRY

Distribution Curve    Distribution Data    Output Data    Coefficient of Utilization    Illuminance: Single Luminaire 30" Above Floor

**CF11 3/26DTT 10AR**

(3) 26W CF26DD/E/827 LAMP, 1.4 S/MH, 1825 RATED LUMENS PER LAMP, TEST NO. 2196091701

From 0°	cp.	Lumens	Zone	Lumens	%lamp	pf	20%				Mount height	Initial fc at beam center	50% beam angle 69.4°		10% beam angle 94.5°		
							pc	pw	50%	30%			50%	30%	Beam diameter	fc at beam edge	Beam diameter
0°	1257		0°-30°	1076	19.7												
5°	1277	122	0°-40°	1778	32.5	1	47	46	46	45	44	43	8'	41.6	7.6'	20.8	
15°	1290	366	0°-60°	2319	42.4	2	44	42	43	41	41	40	10'	22.4	10.4'	11.2	
25°	1284	590	0°-90°	2322	42.4	3	40	38	40	38	39	37	12'	13.9	13.2'	7.0	
35°	1126	702	90°-180°	0	0.0	4	37	35	37	35	36	34	14'	9.5	15.9'	4.8	
45°	629	474	0°-180°	2322	42.4*	5	35	32	34	32	33	31	16'	6.9	18.7'	3.5	
55°	47	68	*Efficiency				6	32	29	32	29	31	29				
65°	0	3				7	29	27	29	27	29	26					
75°	0	1				8	27	24	27	24	26	24					
85°	0	1				9	25	22	25	22	24	22					
90°	0	0				10	23	20	22	20	22	20					

**CF11 2/32TRT 10AR**

(2) 32W PL-T 32W/30/4P LAMP, 1.4 S/MH, 2400 RATED LUMENS PER LAMP, TEST NO. 2196092005

From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	80%				70%				50%				Mounting Height	Initial FC Center	50% beam - 71.6°		10% beam - 99.0°	
							pc	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%			30%	10%	Beam Diameter	FC
0°	1628		0°-30°	1493.9	31.1																			
5°	1646	159	0°-40°	2458.6	51.2	1	85	85	85	83	83	83	80	80	80	8.0	53.8	7.9	26.9	12.9	5.4			
15°	1785	507	0°-60°	3427.8	71.4	2	78	76	74	77	75	73	74	72	71	10.0	28.9	10.8	14.5	17.6	2.9			
25°	1801	828	0°-90°	3435.0	71.6	3	71	68	65	70	67	64	68	65	63	12.0	18.0	13.7	9.0	22.3	1.8			
35°	1556	965	90°-180°	0.0	0.0	4	65	61	57	64	60	57	62	59	56	14.0	12.3	16.6	6.2	27.0	1.2			
45°	1107	795	0°-180°	3435.0	71.6	5	59	54	51	58	54	50	57	53	50	16.0	8.9	19.5	4.5	31.6	0.9			
55°	160	174	*Efficiency				6	50	44	41	49	44	40	48	43									
65°	4	7				7	45	40	37	45	40	36	44	39	36									
75°	1	1				8	42	37	33	41	36	33	41	36	33									
85°	0	0				9	39	34	30	38	33	30	38	33	30									
90°	0	0				10	36	31	28	36	31	28	35	30	27									

PHOTOMETRY NOTES

- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- Actual performance may differ as a result of end-user environment and application.
- Consult factory or IES file for microgroove baffle, black cone or other photometric reports.



**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:**

**CF11 2/42TRT 10AR MVOLT PM DWHG**

**CYS48 DWHG**

**Factory:**

Lithonia Lighting

**Project:**

REDEEMER LUTHERAN CHURCH

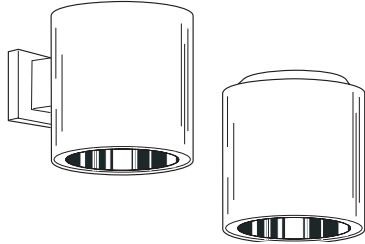
**Notes:**

**Type:**

**F5E**



Luminaire Type:  
Catalog Number  
(autopopulated):



Gotham Architectural Downlighting  
Compact Fluorescent Cylinders

**11" CF  
Cylinders**

Horizontal Lamp, Double Twin-Tube or Triple-Tube,  
10" Aperture

**FEATURES**

**OPTICAL SYSTEM**

- Self-flanged, semi-specular or matte-diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of reflector to bottom.

**HOUSING**

- Heavy-gauge aluminum housing with integral bottom deck for clean appearance. Matte white textured polyester powder paint finish standard.
- Reveal on standard ceiling and optional pendant mount give floating luminaire appearance.

**MOUNTING**

- Standard ceiling mount provided with mounting pattern for direct installation to 3-1/4" and 4" octagonal or 4" square junction box.
- Optional wall mount provided with mounting pattern for direct installation to 4" square or octagonal junction box.
- Optional pendant mounting entry provided for 3/8" National Pipe Thread stem. Mounting accessories available (see Accessories).

**ELECTRICAL SYSTEM**

- Horizontally mounted, four-pin, positive-latch, thermoplastic sockets.
- Class P, thermally-protected, high-power-factor electronic ballasts.

**LISTING**

- Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian standards.

**WARRANTY**

- 1-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomResources/Terms_and_conditions.aspx)

**ORDERING INFORMATION**

EXAMPLE: CF11 3/26DTT 10AR 120 DWHG

CF11 Series	2/42TRT Wattage/Lamp	10AR Trim color	Finish	MVOLT Voltage	Ballast	PM Mounting <sup>4</sup>	
<b>CF11</b>	1/13TRT 1/18TRT 1/26TRT 1/32TRT 1/42TRT 2/13TRT 2/18TRT	2/26TRT 2/32TRT <b>2/42TRT</b> 3/13DTT 3/18DTT 3/26DTT	<b>10AR</b> Clear 10PR Pewter 10WTR Wheat	(blank) Semi-specular LD Matte-diffuse	<b>MVOLT</b> 120 277 347	(blank) <b>Electronic ballast</b> ECOS <sup>1,2</sup> Lutron® EcoSystem® electronic dimming ballast. Minimum dimming level 5% ADEZ <sup>2,3</sup> Advance Mark 10® electronic dimming ballast. Minimum dimming level 5% ADZT <sup>1</sup> Advance Mark 7® electronic dimming ballast. Minimum dimming level 5%	(blank) Ceiling mount <b>PM<sup>5</sup></b> <b>Pendant 3/8" thread mount</b> <b>WM</b> Wall mount

**DWHG**

Options

<b>WLP</b>	With 3500 K lamp (shipped separately)	Architectural Colors – Powder Paint <sup>6</sup>	
<b>GMF<sup>3</sup></b>	Single slow-blow fuse	<b>DWHG</b>	<b>Matte white (standard)</b>
<b>GLR<sup>3</sup></b>	Single fast-blow fuse	<b>DBL</b>	Black
<b>DS</b>	Dual switching	<b>DNA</b>	Natural aluminum
		<b>DDB</b>	Dark bronze
		<b>DWH</b>	Gloss white

**CYS48 DWHG**

**ACCESSORIES** order as separate catalog numbers (shipped separately)

<b>CYS<sup>7</sup></b>	3/8" stem and canopy with 5° "hang straight" swivel
<b>CRS<sup>7</sup></b>	3/8" stem and canopy with 45° swivel
<b>NEPP5D KO</b>	Sensor Switch® nLight® 0-10V dimming relay. Only available with ADZT ballast

Submitting Agency:



Lighting & Electrical Associates, Inc.  
504-887-1235

Description: **CF11 2/42TRT 10AR MVOLT PM DWHG**  
**CYS48 DWHG**  
Factory: **Lithonia Lighting**  
Project: **REDEEMER LUTHERAN CHURCH**  
Notes:

Type:

**F5E**

**11" CF**

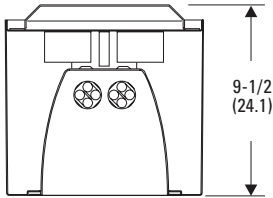
**Cylinders**

Horizontal Lamp, Double Twin-Tube or Triple-Tube, 10" Aperture

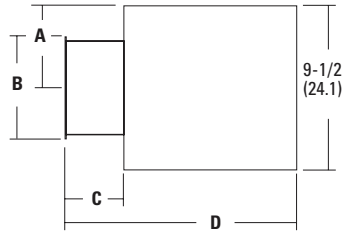


DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.



Reflector Aperture: 6-1/4 (15.9)  
Mounting Diameter: 2-3/4 (6.9)



Wall Mount Dimensions

- A = 5 (12.7)
- B = 5-5/16 (13.5)
- C = 3-1/4 (8.3)
- D = 14-9/16 (37.0)

NOTES

ORDERING NOTES

1. Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 Hz.
2. Not available with 13W.
3. Available in 120V or 277V only.
4. Wires supplied by others.
5. Stem not included.
6. Additional architectural colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors).
7. Color and length of stem must be specified (from 6" to 240" in even increments in maximum sections of 48"). Ex.: CYS06 DWHG. Ceiling attachment for interior use. Consult factory for exterior use. Wire not included.



Submitting Agency:



Lighting & Electrical Associates, Inc.  
504-887-1235

Description: **CF11 2/42TRT 10AR MVOLT PM DWHG  
CYS48 DWHG**  
Factory: **Lithonia Lighting**  
Project: **REDEEMER LUTHERAN CHURCH**  
Notes:

Type:

**F5E**



11" CF  
Cylinders

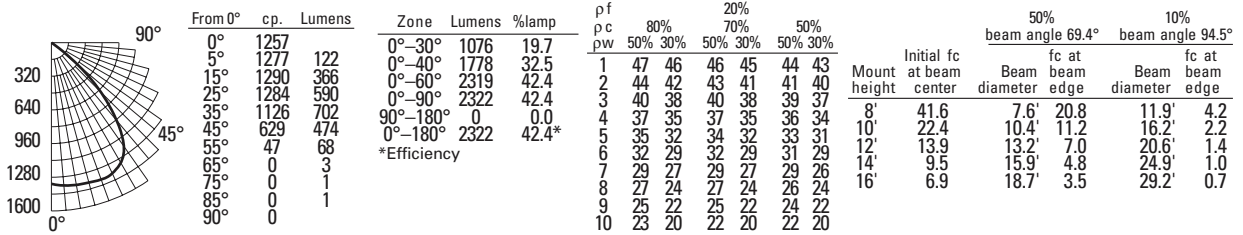
Horizontal Lamp, Double Twin-Tube or Triple-Tube, 10" Aperture

PHOTOMETRY

Distribution Curve    Distribution Data    Output Data    Coefficient of Utilization    Illuminance: Single Luminaire 30" Above Floor

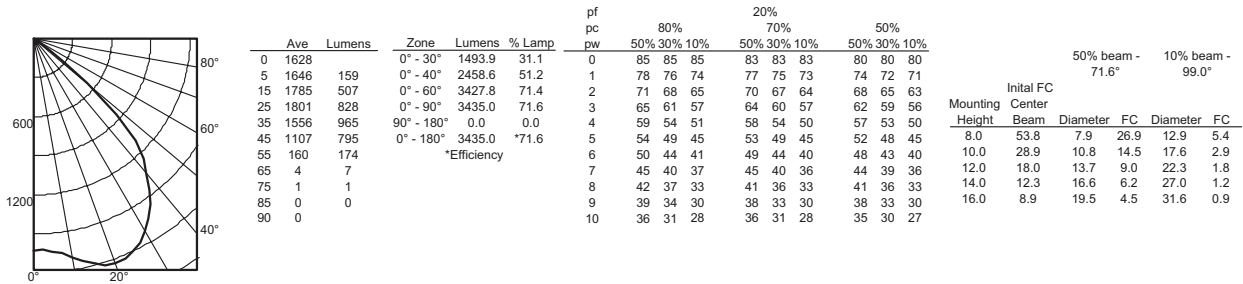
**CF11 3/26DTT 10AR**

(3) 26W CF26DD/E/827 LAMP, 1.4 S/MH, 1825 RATED LUMENS PER LAMP, TEST NO. 2196091701



**CF11 2/32TRT 10AR**

(2) 32W PL-T 32W/30/4P LAMP, 1.4 S/MH, 2400 RATED LUMENS PER LAMP, TEST NO. 2196092005



PHOTOMETRY NOTES

- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- Actual performance may differ as a result of end-user environment and application.
- Consult factory or IES file for microgroove baffle, black cone or other photometric reports.



Submitting Agency:



Lighting & Electrical Associates, Inc.  
504-887-1235

Description:

**IMI25LCX**

Factory:

**Isolite**

Project:

**REDEEMER LUTHERAN CHURCH**

Notes:

**REMOTE INVERTER**

Type:

**F5E**

# isolite

## IMI SERIES

### 125 or 250 Watt Pure Sine Wave Mini Inverter



IMI Recessed



IMI T-Bar/Grid



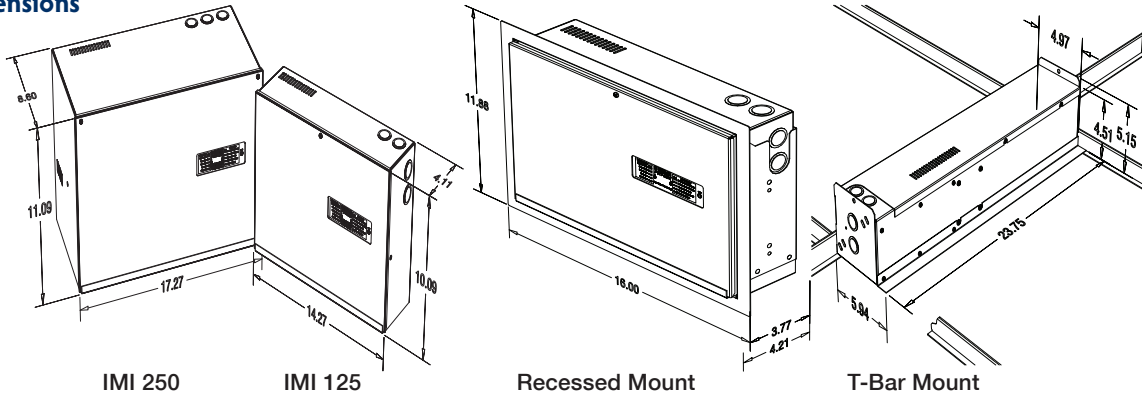
- 125 or 250 Watts of pure sine wave output
- Compatible with all lighting loads including LED (not HID)
- Optional time delay for HID applications
- Unique output overload designed to withstand initial load inrush up to 250%
- Smart self-diagnostic circuit standard
- Industry leading power-up diagnostics to check for installation wiring errors
- Three separate outputs for field flexibility
- Optional mounting configurations for recessed and grid applications
- UL Listed to UL924 with optional Canadian Listing to C22.2 No. 141-10





**ISOLITE IMI SERIES – 125 OR 250 WATT PURE SINE WAVE MINI INVERTER**

**Dimensions**



**Specifications**

**Input**

- Voltage: 120 or 277 VAC Model dependant
- Current: 1.4A (120V), 0.6A (277V) for 125 Watt model  
2.7A (120V), 1.2 (277V) for 250 Watt model
- Frequency: 60Hz +/- 2 Hz
- Power Factor: 0.5 Lead to 0.5 Lag

**Battery**

- Type: 10 -Year valve-regulated sealed lead calcium
- Charger: 3 rate with temperature compensation
- Recharge Time: 24-hour recharge standard
- Runtime: 90 minutes, initial margin of 125 percent at 25° C
- Protection: automatic low voltage disconnect (LVD) set at 1.67 VPC
- DC Voltage: 12/24 VDC Nominal, 2.27 VPC float, temperature compensated
- DC Current: 12.5 A nominal for 125/250 Watt model

**Output**

- Voltage: 120 or 277 VAC model dependant
- Current: 1.04A (120V), 0.45A ) for 125 Watt Model,  
2.08A (120V), 0.9A (277V) for 250 Watt Model
- Frequency: 60Hz +/- 0.02 Hz crystal controlled during emergency mode
- Overload: 110% will generate overload fault
- Transfer Time: 50 msec
- Output Distortion: Less than 3% THD
- Crest Factor: 2.5 for 125 and 250W model
- Load Power Factor: 0.5 lead to 0.5 lag
- Output Types: Field selectable normally on, normally off and maintained outputs

**Weight**

- IMI 125: 32 lbs.
- IMI 250: 63 lbs.

**Environmental**

- Operating Temp: 20-30° Centigrade
- Storage Temp: -20-70° Centigrade (batteries)
- Relative Humidity: <95% non-condensing

**Physical**

- Cooling: Natural convection – no fans
- Cabinet: NEMA Type 1 enclosure, 18 AWG, powder coated

**Features**

- 125 or 250 Watts of pure sine wave output
- Compatible with all lighting loads including LED
- Unique output overload designed to withstand initial load inrush up to 250%
- Smart self-diagnostic circuit standard
- Industry leading power-up diagnostics to check for installation wiring errors
- Three separate outputs for field flexibility
- Low battery indicator
- No factory start-up required
- Optional mounting configurations for recessed and grid applications
- Optional time delay for HID applications
- Optional infra-red receiver for remote testing
- Optional audible sonic alarm
- UL Listed to UL924 with optional Canadian Listing to C22.2 No. 141-10
- RT Optional includes buzzer, IR receiver, test buttons and SD indicator

**Warranty**

**Electronics**

- Isolite warrants the IMI Series electronics assembly (except batteries) against defects in material and workmanship for a period of 3 years

**Battery**

- Isolite warrants the lead calcium batteries for 1 year full and 9 years pro-rata limited

**Ordering Information**

Series	VA Rating	Battery	Input/Output Voltage	Mounting	Options
IMI	12 = 125 Watts 25 = 250 Watts	LC = Lead Calcium (Standard)	V1 = 120V input/120V output V2 = 277V input/277V output	Blank = Surface Mount RE = Recessed (125W Unit only) TB = T-Bar/Grid ceiling mount (125W Unit only)	2H = 2-hour run time (capacity reduced to 100W and 200W) TD = 15 min. time delay AA = Sonic audible alarm CL = Canadian Listed (CSA) IR = Infrared remote test receiver TLRT = Infrared hand-held remote RT = Remote Test switch and monitor

**Submitting Agency:**



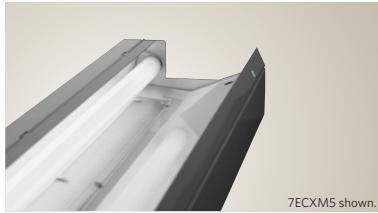
Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** 7ECXM5 2 54T5HO U4 MVOLT GEB10PS  
SCT L/LP  
**Factory:** Peerless Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**

**F6-4**

**Peerless®**



7ECXM5 shown.

Peerless® Cove  
Indirect T5/T5HO

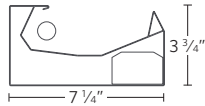
Type:

Project:

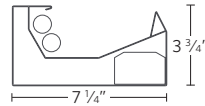
**SPECIFICATIONS** Cove 7ECXM5/9ECXM5

**LAMPING OPTIONS**

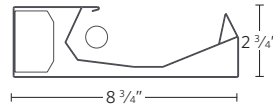
7ECXM5 - 1



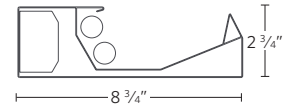
7ECXM5 - 2



9ECXM5 - 1



9ECXM5 - 2



**SPECIFICATIONS**

**Construction**

One-piece cold rolled sheet steel housing with die-formed end plate forms a 7 1/4" x 3 3/4" (7ECXM5) and 8 3/4" x 2 3/4" (9ECXM5) rectangular channel.

**Finish**

White painted.

**Luminaire Length**

Available in nominal 2', 3', 4,' and 8' sections.

**Reflectors**

Reflectors combine hammertone specular aluminum and baked white enamel (nominal reflectance 86%). Optical system includes micro-prismatic, 100% virgin acrylic specular/diffusing optical lens.

**Electrical**

Specify 120V, 277V or 347V. Pre-wired with 16AWG fixture wires. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors included. UL and C-UL listed.

**CATALOG NUMBER**

**Examples:** 7ECXM5 2 54T5HO U4 120 GEB10 SCT LP835 — 7ECXM5 2 24T5HO U2 277 GEB10 SCT L/LP

7ECXM5	2	54T5HO	U4	MVOLT	GEB10PS	▶▶▶
<b>Luminaire</b>	<b># of Lamps in Cross Section</b>	<b>Lamp Type</b>	<b>Luminaire Row Length</b>	<b>Voltage</b>	<b>Ballast Type</b>	<b>Emergency Type<sup>2</sup></b>
7ECXM5	1	24T5HO 24W 2' T5HO	U2 2'	120	GEB10 <10% THD Electronic	(Blank) None
9ECXM5	2	39T5HO 39W 3' T5HO	U3 3'	277	ADEZ <sup>3,4A</sup> Advance Mark 10 dim	EC Emergency circuit
		54T5HO 54W 4' T5HO	U4 4'	347	DMHL3D <sup>3</sup> Lutron Hi-Lume dim	EL <sup>2,3</sup> Emergency battery pack
		28T5 28W 4' T5	U4 4'	MVOLT <sup>1</sup>	OSDIM <sup>2,3,4</sup> Osram 0-10V dim	EN <sup>2,3</sup> Emergency battery pack w/night light circuit
		21T5 21W 3' T5	U8 8'		Reference <a href="#">Ballast Wizard</a> on website or consult factory for other options.	
		14T5 14W 2' T5				

▶▶ SCT	L/LP	
<b>Switching</b>	<b>Lamp Color</b>	<b>Options</b>
SCT Single circuit	L/LP No lamp	DL Damp location label
DCT Dual circuit	LP830 3000k 80+ CRI	DU Dust cover
	LP835 3500k 80+ CRI	ELH Emergency through wiring w/separate feed
	LP841 4100k 80+ CRI	ELS Emergency through wiring w/single feed, shared neutral
	Available with 28T5 only:	GLR Fusing (fast blow)
	LP830P 3000K 80+ CRI Premier	GMF Fusing (slow blow)
	LP835P 3500K 80+ CRI Premier	NYC New York City code
	LP841P 4100K 80+ CRI Premier	RIF2 Radio Interference Filter
	Reference <a href="#">Lamp Chart</a> on website or consult factory for other options.	

- Notes:**  
 1 Not for use when specifying battery pack 3 Not available in 347V  
 2 Not available with U2 or U3 4 Not available with 28T5 lamps

2246 5th Street, Berkeley, CA 94710 • Tel: 510.845.2760 • Fax: 510.845.2776 • Email: techsupport@peerlesslighting.com • PeerlessLighting.com

Submitting Agency:



Lighting & Electrical Associates, Inc.  
504-887-1235

Description: **7ECXM5 2 54T5HO U4 MVOLT GEB10PS  
SCT L/LP**  
Factory: **Peerless Lighting**  
Project: **REDEEMER LUTHERAN CHURCH**  
Notes:

Type:

**F6-4**

**Peerless®**

# Peerless® Cove

## Indirect T5/T5HO

Type:

Project:

Cove

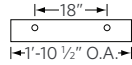
7ECXM5/9ECXM5

### WEIGHTS & SUPPORT SPACING

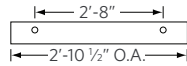
Suspension spacing equals section length.

#### STANDARD SECTIONS

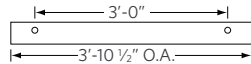
13 LBS



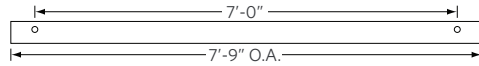
16 LBS



19 LBS



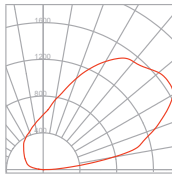
36 LBS



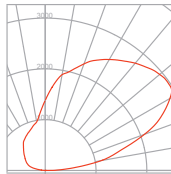
Key:  
O Mounting location

#### PLAN VIEW

### PHOTOMETRICS Actual performance may differ as a result of end-user environment and application.



**1-LAMP T5HO**  
70.8% efficiency  
3540 delivered lumens  
100.0% up / 0.0% down



**2-LAMP T5HO**  
66.4% efficiency  
6641 delivered lumens  
100.0% up / 0.0% down

**Submitting Agency:**



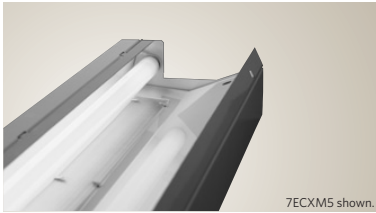
Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** 7ECXM5 2 24T5HO U2 MVOLT GEB10PS  
SCT L/LP  
**Factory:** Peerless Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**

**F6-2**

**Peerless®**



7ECXM5 shown.

Peerless® Cove  
Indirect T5/T5HO

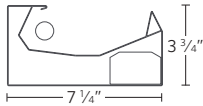
Type:

Project:

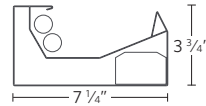
**SPECIFICATIONS** Cove 7ECXM5/9ECXM5

**LAMPING OPTIONS**

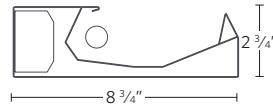
7ECXM5 - 1



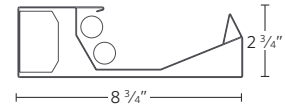
7ECXM5 - 2



9ECXM5 - 1



9ECXM5 - 2



**SPECIFICATIONS**

**Construction**

One-piece cold rolled sheet steel housing with die-formed end plate forms a 7 1/4" x 3 3/4" (7ECXM5) and 8 3/4" x 2 3/4" (9ECXM5) rectangular channel.

**Finish**

White painted.

**Luminaire Length**

Available in nominal 2', 3', 4,' and 8' sections.

**Reflectors**

Reflectors combine hammertone specular aluminum and baked white enamel (nominal reflectance 86%). Optical system includes micro-prismatic, 100% virgin acrylic specular/diffusing optical lens.

**Electrical**

Specify 120V, 277V or 347V. Pre-wired with 16AWG fixture wires. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors included. UL and C-UL listed.

**CATALOG NUMBER**

Examples: 7ECXM5 2 54T5HO U4 120 GEB10 SCT LP835 — 7ECXM5 2 24T5HO U2 277 GEB10 SCT L/LP

7ECXM5	2	54T5HO	U2	MVOLT	GEB10PS	▶▶▶
<b>Luminaire</b>	<b># of Lamps in Cross Section</b>	<b>Lamp Type</b>	<b>Luminaire Row Length</b>	<b>Voltage</b>	<b>Ballast Type</b>	<b>Emergency Type<sup>2</sup></b>
7ECXM5	1	24T5HO 24W 2' T5HO 39T5HO 39W 3' T5HO 54T5HO 54W 4' T5HO	U2 2' U3 3' U4 4' U8 8'	120 277 347 MVOLT <sup>1</sup>	GEB10 <10% THD Electronic ADEZ <sup>3,4</sup> Advance Mark 10 dim DMHL3D <sup>3</sup> Lutron Hi-Lume dim OSDIM <sup>3,4</sup> Osram 0-10V dim <i>Reference Ballast Wizard on website or consult factory for other options.</i>	(Blank) None EC Emergency circuit EL <sup>2,3</sup> Emergency battery pack EN <sup>2,3</sup> Emergency battery pack w/night light circuit
9ECXM5	2	28T5 28W 4' T5 21T5 21W 3' T5 14T5 14W 2' T5				

▶▶ SCT	L/LP	
<b>Switching</b>	<b>Lamp Color</b>	<b>Options</b>
SCT Single circuit DCT Dual circuit	L/LP No lamp LP830 3000k 80+ CRI LP835 3500k 80+ CRI LP841 4100k 80+ CRI  Available with 28T5 only: LP830P 3000K 80+ CRI Premier LP835P 3500K 80+ CRI Premier LP841P 4100K 80+ CRI Premier <i>Reference Lamp Chart on website or consult factory for other options.</i>	DL Damp location label DU Dust cover ELH Emergency through wiring w/separate feed ELS Emergency through wiring w/single feed, shared neutral GLR Fusing (fast blow) GMF Fusing (slow blow) NYC New York City code RIF2 Radio Interference Filter

**Notes:**

- 1 Not for use when specifying battery pack
- 2 Not available with U2 or U3
- 3 Not available in 347V
- 4 Not available with 28T5 lamps

2246 5th Street, Berkeley, CA 94710 • Tel: 510.845.2760 • Fax: 510.845.2776 • Email: techsupport@peerlesslighting.com • PeerlessLighting.com

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** 7ECXM5 2 24T5HO U2 MVOLT GEB10PS  
SCT L/LP  
**Factory:** Peerless Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**

**F6-2**

**Peerless®**

Peerless® Cove  
Indirect T5/T5HO

Type:

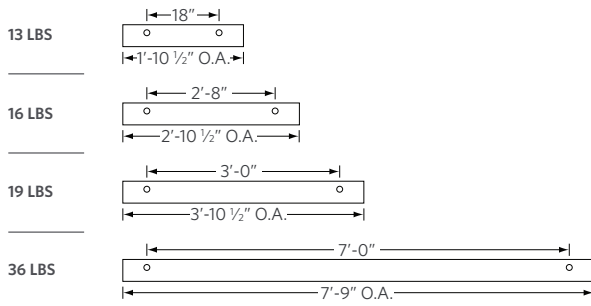
Project:

	Cove	7ECXM5/9ECXM5
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**WEIGHTS & SUPPORT SPACING**

Suspension spacing equals section length.

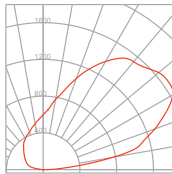
**STANDARD SECTIONS**



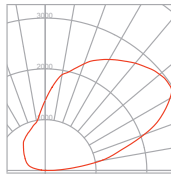
**Key:**  
O Mounting location

**PLAN VIEW**

**PHOTOMETRICS** *Actual performance may differ as a result of end-user environment and application.*



**1-LAMP T5HO**  
70.8% efficiency  
3540 delivered lumens  
100.0% up / 0.0% down



**2-LAMP T5HO**  
66.4% efficiency  
6641 delivered lumens  
100.0% up / 0.0% down

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** 6HF 2/26DTT MVOLT F6L4  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**  
**F7**



**FEATURES & SPECIFICATIONS**

**INTENDED USE**

Ideal for a wide variety of low- to medium-height ceiling applications ideal for shower and outdoor applications where a wet location lensed fixture is required.

**CONSTRUCTION**

Galvanized steel mounting frame with mechanical trim retention (yoke) ensures secure and flush reflector mounting to ceiling. Mounting frame has cutout section for remodel applications when installation from below is necessary.

Galvanized bar hangers span up to 24" o.c. and feature built-in T-bar clips and nailers for T-bar or wood joist installation.

Frames equipped with galvanized junction box UL Listed for through wire applications.

Maximum 1-1/2" ceiling thickness.

**OPTICS**

Aluminum clear specular full reflectors are optically designed to maximize lumen output and to provide superior glare control.

Glass lenses are available in clear flat, tempered prismatic, drop opal or fresnel glass lens to provide optimal visual comfort and improved aesthetics.

**ELECTRICAL**

Electronic ballast with end of lamp life protection standard. Class P thermally protected ballast protects against improper contact with insulation. Minimum starting temperature is 0°F/-18°C.

Rated for #12 AWG conductor thru-branch wiring. Minimum 90° supply wire. Ground wire provided.

**Lamp Socket Base:**

DTT 4-pin lamps – 13W (G24Q-1); 18W (G24Q-2); 26W (G24Q-3)

**LISTING**

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting, wet location, and to U.S. and Canadian Safety Standards.

Catalog Number
Notes
Type

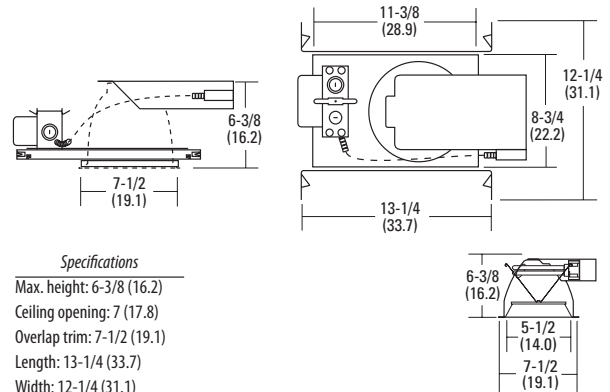
**Compact Fluorescent Downlighting**



**6" 6HF**

**WET LENS**

Horizontal, 2-Lamp Double Twin-Tube (DTT)



*Specifications*

- Max. height: 6-3/8 (16.2)
- Ceiling opening: 7 (17.8)
- Overlap trim: 7-1/2 (19.1)
- Length: 13-1/4 (33.7)
- Width: 12-1/4 (31.1)

All dimensions are inches (centimeters).

**ORDERING INFORMATION**

For shortest lead times, configure products using **bolded options**.

**Example:** 6HF 2/26DDT F6L4 MVOLT

6HF	2 / 26DTT	F6L4	MVOLT	
Series	Wattage/Lamp	Reflector/Color	Voltage	Options <sup>7</sup>
<b>6HF</b>	2/13DTT <sup>1</sup> 2/18DTT <b>2/26DTT</b>	F6L1 White splay, clear lens F6LFB1 Black baffle, clear lens <b>F6L4 White splay, fresnel lens</b> F6L B4 Black baffle, fresnel lens F6LF73 White splay, tempered prismatic lens F6LFB73 Black baffle, tempered prismatic lens F6L D3 White splay, drop opal lens F6L DB3 Black baffle, drop opal lens	<b>MVOLT</b> 120 277 347 <sup>4</sup>	ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%. Must be voltage specific. ECOS Lutron EcoSystem electronic dimming ballast, 120-277V. Must be wattage-specific. Minimum dimming level 5%. <b>EL Emergency PSDL3 DL battery pack with integral test switch<sup>5</sup></b> <b>ELR Emergency PSDL3 DL battery pack with remote test switch<sup>5</sup></b> ELRHL2LP OTA I-162 emergency battery pack with remote test switch. Operates two 26W, two 32W or two 42W CFL lamps in emergency mode with battery back-up in case of power disruption. Average output is 2,600 lumens for two 26W lamps; 2,750 lumens for two 32W lamps and 2,800 lumens for two 42W lamps. <sup>6</sup> GMF Single slow-blow fuse, must specify voltage BDP Ballast disconnect plug (meets codes that require in-fixture disconnect) <sup>4</sup> RIF1 Radio interference filter WLP 35K lamp (shipped separately)

Accessories: Order as separate catalog number.	
SCA6	Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D) Ex: SCA6 10D.
CTE6	Ceiling thickness extender is used when ceiling thickness is greater than 1-1/2 (3.8). Maximum thickness 2 (5.1).

**Notes**

- Not available with ADEZ or ECOS.
- White painted flange standard.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Ships standard for 1-lamp operation. For 2-lamp operation, consult installation instructions or factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.
- For [additional options](#), see [www.lithonia.com](#).

Submitting Agency:



Lighting & Electrical Associates, Inc.  
504-887-1235

Description: **6HF 2/26DTT MVOLT F6L4**  
Factory: **Lithonia Lighting**  
Project: **REDEEMER LUTHERAN CHURCH**  
Notes:

Type:

**F7**

**6" 6HF Horizontal, 2-Lamp Double Twin-Tube (DTT), Wet Lens**

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire																																																																																																																																													
<b>6HF 2/26DTT F6LFD3 MVOLT, (2) Philips PL-C 26W/27SH lamp, 1.2 s/mh, 3600 rated lumens, test no. 2197042407</b>																																																																																																																																																	
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**Energy** (Calculated in accordance with NEMA standard LE-5.)

Fixture/ Reflector	LER	Annual* Energy Cost	Lamps	Lamp Lumens	Ballast Factor	Input Watts
6HF DTT/F6LD3	10.22	\$23.48	(2)13DTT	1560	1	29
6HF DTT/F6LD3	13.57	\$17.68	(2)18DTT	2500	.95	35
6HF DTT/F6LD3	17.89	\$13.41	(2)26DTT	3650	1	51
6HF DTT/F6LDB3	7.53	\$31.87	(2)13DTT	1560	1	29
6HF DTT/F6DBL3	10.15	\$23.58	(2)18DTT	2500	.95	35
6HF DTT/F6DBL3	12.00	\$20.00	(2)26DTT	3600	1	51

\*Comparative yearly lighting energy cost per 1000 lumens



6HF-WETLENS-2-DTT

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** 6HF 2/26DDT MVOLT EL F6L4  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**  
**F7E**



**FEATURES & SPECIFICATIONS**

**INTENDED USE**

Ideal for a wide variety of low- to medium-height ceiling applications ideal for shower and outdoor applications where a wet location lensed fixture is required.

**CONSTRUCTION**

Galvanized steel mounting frame with mechanical trim retention (yoke) ensures secure and flush reflector mounting to ceiling. Mounting frame has cutout section for remodel applications when installation from below is necessary.

Galvanized bar hangers span up to 24" o.c. and feature built-in T-bar clips and nailers for T-bar or wood joist installation.

Frames equipped with galvanized junction box UL Listed for through wire applications.

Maximum 1-1/2" ceiling thickness.

**OPTICS**

Aluminum clear specular full reflectors are optically designed to maximize lumen output and to provide superior glare control.

Glass lenses are available in clear flat, tempered prismatic, drop opal or fresnel glass lens to provide optimal visual comfort and improved aesthetics.

**ELECTRICAL**

Electronic ballast with end of lamp life protection standard. Class P thermally protected ballast protects against improper contact with insulation. Minimum starting temperature is 0°F/-18°C.

Rated for #12 AWG conductor thru-branch wiring. Minimum 90° supply wire. Ground wire provided.

**Lamp Socket Base:**

DDT 4-pin lamps – 13W (G24Q-1); 18W (G24Q-2); 26W (G24Q-3)

**LISTING**

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting, wet location, and to U.S. and Canadian Safety Standards.

Catalog Number
Notes
Type

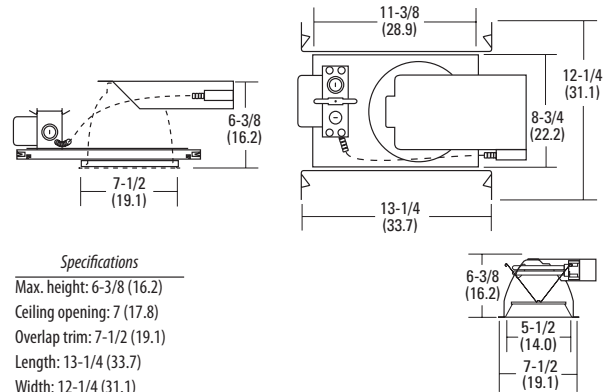
**Compact Fluorescent Downlighting**



**6" 6HF**

**WET LENS**

Horizontal, 2-Lamp Double Twin-Tube (DDT)



*Specifications*

- Max. height: 6-3/8 (16.2)
- Ceiling opening: 7 (17.8)
- Overlap trim: 7-1/2 (19.1)
- Length: 13-1/4 (33.7)
- Width: 12-1/4 (31.1)

All dimensions are inches (centimeters).

**ORDERING INFORMATION**

For shortest lead times, configure products using **bolded options**.

**Example:** 6HF 2/26DDT F6L4 MVOLT

6HF	2 / 26DDT	F6L4	MVOLT	EL
Series	Wattage/Lamp	Reflector/Color	Voltage	Options <sup>7</sup>
<b>6HF</b>	2/13DDT <sup>1</sup> 2/18DDT <b>2/26DDT</b>	F6L1 White splay, clear lens F6LFB1 Black baffle, clear lens <b>F6L4 White splay, fresnel lens</b> F6L B4 Black baffle, fresnel lens F6LF73 White splay, tempered prismatic lens F6LFB73 Black baffle, tempered prismatic lens F6L D3 White splay, drop opal lens F6L DB3 Black baffle, drop opal lens	<b>MVOLT<sup>2</sup></b> 120 277 347 <sup>4</sup>	ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%. Must be voltage specific. ECOS Lutron EcoSystem electronic dimming ballast, 120-277V. Must be wattage-specific. Minimum dimming level 5%. <b>EL Emergency PSDL3 DL battery pack with integral test switch<sup>5</sup></b> <b>ELR Emergency PSDL3 DL battery pack with remote test switch<sup>5</sup></b> ELRHL2LP OTA I-162 emergency battery pack with remote test switch. Operates two 26W, two 32W or two 42W CFL lamps in emergency mode with battery back-up in case of power disruption. Average output is 2,600 lumens for two 26W lamps; 2,750 lumens for two 32W lamps and 2,800 lumens for two 42W lamps. <sup>6</sup> GMF Single slow-blow fuse, must specify voltage BDP Ballast disconnect plug (meets codes that require in-fixture disconnect) <sup>4</sup> RIF1 Radio interference filter WLP 35K lamp (shipped separately)

Accessories: Order as separate catalog number.	
SCA6	Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D) Ex: SCA6 10D.
CTE6	Ceiling thickness extender is used when ceiling thickness is greater than 1-1/2 (3.8). Maximum thickness 2 (5.1).

**Notes**

- Not available with ADEZ or ECOS.
- White painted flange standard.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Ships standard for 1-lamp operation. For 2-lamp operation, consult installation instructions or factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.
- For **additional options**, see [www.lithonia.com](http://www.lithonia.com).

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** 6HF 2/26DTT MVOLT EL F6L4  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**  
**F7E**

### 6" 6HF Horizontal, 2-Lamp Double Twin-Tube (DTT), Wet Lens

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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**6HF 2/26DTT F6LFD3 MVOLT**, (2) Philips PL-C 26W/27SH lamp, 1.2 s/mh, 3600 rated lumens, test no. 2197042407

cp	Lumens	Zone	Lumens	% Lamp	pf						Task Height: 2.5ft.	10% beam - 106.3' 50% beam - 60.7'		
					20%		70%		50%					
					pc	80%	30%	50%	30%	50%				
5	366	34	0° - 30°	270.6	7.5	0	30	30	29	29	28	28		
15	341	96	0° - 40°	434.7	12.1	1	26	25	26	25	25	24		
25	307	140	0° - 60°	736.6	20.5	2	23	21	23	21	22	20		
35	264	164	0° - 90°	909.9	25.3	3	20	18	20	18	19	18		
45	206	161	90° - 180°	0.0	0.0	4	18	16	18	16	17	15		
55	160	141	0° - 180°	909.9	*25.3	5	16	14	16	14	15	14		
65	107	102	*Total Efficiency			6	15	12	14	12	14	12		
75	58	57				7	13	11	13	11	13	11		
85	15	14				8	12	10	12	10	12	10		
90	0					9	11	09	11	09	11	09		
						10	10	08	10	08	10	08		

**6HF 2/26DTT F6LF3 MVOLT**, (2) Philips PL-C 26W/27SH lamp, 1.2 s/mh, 3600 rated lumens, test no. 2197042406

cp	Lumens	Zone	Lumens	% Lamp	pf						Task Height: 2.5ft.	10% beam - 104.3' 50% beam - 60.2'		
					20%		70%		50%					
					pc	80%	30%	50%	30%	50%				
5	398	37	0° - 30°	293.6	8.2	0	29	29	29	29	27	27		
15	369	104	0° - 40°	467.2	13.0	1	26	25	26	25	25	24		
25	331	152	0° - 60°	770.7	21.4	2	23	22	23	21	22	21		
35	277	174	0° - 90°	888.0	24.7	3	21	19	20	19	20	18		
45	218	166	90° - 180°	0.0	0.0	4	18	16	18	16	17	16		
55	155	137	0° - 180°	888.0	*24.7	5	17	14	16	14	16	14		
65	86	87	*Total Efficiency			6	15	13	15	13	14	13		
75	27	29				7	14	12	13	12	13	11		
85	0	1				8	13	11	12	10	12	10		
90	0					9	12	10	11	10	11	09		
						10	11	09	11	09	10	09		

**6HF 2/26DTT F6L4 MVOLT**, (2) Philips PL-C 26W/27SH lamp, .98 s/mh, 3600 rated lumens, test no. 2197042405

cp	Lumens	Zone	Lumens	% Lamp	pf						Task Height: 2.5ft.	10% beam - 85.8' 50% beam - 53.6'		
					20%		70%		50%					
					pc	80%	30%	50%	30%	50%				
5	800	76	0° - 30°	552.2	15.3	0	35	35	35	35	33	33		
15	742	209	0° - 40°	763.9	21.2	1	32	31	32	31	30	30		
25	594	267	0° - 60°	996.5	27.7	2	29	28	29	27	28	27		
35	339	212	0° - 90°	1072.0	29.8	3	27	25	26	25	25	24		
45	182	140	90° - 180°	0.0	0.0	4	24	22	24	22	23	22		
55	103	93	0° - 180°	1072.0	*29.8	5	22	20	22	20	22	20		
65	55	57	*Total Efficiency			6	21	18	20	18	20	18		
75	13	18				7	19	17	19	17	19	17		
85	0	0				8	18	16	18	16	17	15		
90	0					9	17	15	16	14	16	14		
						10	16	14	15	13	15	13		

**6HF 2/26DTT F6LFB73 MVOLT**, (2) Philips PL-C 26W/27SH lamp, .97 s/mh, 3600 rated lumens, test no. 2197032002

cp	Lumens	Zone	Lumens	% Lamp	pf						Task Height: 2.5ft.	10% beam - 87.1' 50% beam - 51.5'		
					20%		70%		50%					
					pc	80%	30%	50%	30%	50%				
5	637	60	0° - 30°	425.5	11.8	0	27	27	26	26	25	25		
15	569	159	0° - 40°	608.4	16.9	1	25	24	24	24	23	23		
25	454	206	0° - 60°	784.5	21.8	2	23	21	22	21	21	21		
35	292	183	0° - 90°	813.8	22.6	3	21	19	20	19	20	19		
45	153	118	90° - 180°	0.0	0.0	4	19	17	19	17	18	17		
55	61	58	0° - 180°	813.8	*22.6	5	17	16	17	16	17	15		
65	24	24	*Total Efficiency			6	16	14	16	14	15	14		
75	4	5				7	15	13	15	13	14	13		
85	0	0				8	14	12	14	12	13	12		
90	0					9	13	11	13	11	13	11		
						10	12	11	12	11	12	10		

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

Fixture/ Reflector	LER	Annual* Energy Cost	Lamps	Lamp Lumens	Ballast Factor	Input Watts
6HF DTT/F6LD3	10.22	\$23.48	(2)13DTT	1560	1	29
6HF DTT/F6LD3	13.57	\$17.68	(2)18DTT	2500	.95	35
6HF DTT/F6LD3	17.89	\$13.41	(2)26DTT	3650	1	51
6HF DTT/F6LDB3	7.53	\$31.87	(2)13DTT	1560	1	29
6HF DTT/F6DBL3	10.15	\$23.58	(2)18DTT	2500	.95	35
6HF DTT/F6DBL3	12.00	\$20.00	(2)26DTT	3600	1	51

\*Comparative yearly lighting energy cost per 1000 lumens



6HF-WETLENS-2-DTT

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:**

**WP16 2X42 120 EB1**

**Factory:**

**EELP**

**Project:**

**REDEEMER LUTHERAN CHURCH**

**Notes:**

**Type:**

**F8E**



<b>Project:</b>	
<b>Type:</b>	
<b>Catalog #:</b>	

## Model WP16

### Small Full-Cutoff Wall Packs

**HOUSING**

- Meets "Dark Sky" requirements
- Heavy duty die cast aluminum housing w/ powder coated bronze finish
- Corrosion resistant housing and hardware
- OxyShield 9-stage anti-oxidation process
- Silicone rubber gasket
- Hinged front and rear housing
- 1/2" coin plugs with O-rings for conduit and photocell

- Medium base, glazed porcelain socket pulse rated for 4KV or universal 4 pin socket (CF)

**MOUNTING**

- Template cast for mounting over a 4" recessed outlet box or use 1/2" surface conduit

**CODE COMPLIANCE**

- CSA Listed for wet location
- Meets UL requirements



**ELECTRICAL**

- 120V, Multi-tap (120/277V) or Quad-tap (120/208/240/277V) input
- 480V

**WARRANTY**

- 1 year warranty

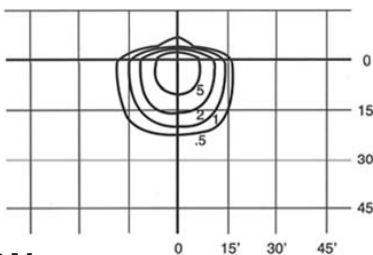
**WP16**

**OPTICAL SYSTEM**

- Anodized aluminum reflector
- High impact, heat resistant tempered glass lens
- Available with Compact Fluorescent (26 to 84 watt), Metal Halide (50 to 175 watt), Pulse Start Metal Halide (175 watt) or High Pressure Sodium (50 to 150 watt) lamps

**PHOTOMETRICS**

**175W MH @ 15' Mounting Height**  
Isofootcandles



**DIMENSIONS**



14 1/4"W x 9 1/2"H x 11 3/8"D

**ORDERING INFORMATION**

MODEL	WATTAGE		VOLTAGE		OPTIONS	ACCESSORIES	
<b>WP16</b>	<b>(HPS)</b>	<b>(Metal Halide)</b>	<b>(Fluorescent)</b>	<b>120V*</b>	Blank - Standard	PC1	- 120V Photocell
	35H*	70M	1x26CF	MT	Bronze Color	PC2	- 208-277V Photocell
	50H	100M	1x32CF	QT	B - Black	WP16GLE	- Etched Flat Glass Lens
	70H	150M	1x42CF	480V	W - White	WP16GLP	- Prismatic Glass Lens
	100H	175M	2x26CF		CC - Custom Color	WP16WG	- Wireguard
	150H		2x32CF		(Contact Factory)	WP16Y	- Adjustable Yoke
		<b>2x42CF</b>		<b>EB1</b>	- 1 Lamp Emergency (26W,32W,42W)	WP16LG	- Polycarbonate Vandal Guard
				<b>EB2</b>	- 2 Lamp Emergency (26W,32W)		

MODEL	WATTAGE	VOLTAGE	OPTIONS	ACCESSORIES
WP16	- 2X42CF	- 120	- EB1	-

*Specifications and dimensions subject to change without notice.*

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** L 2 32 MVOLT GEB10IS HC  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**  
**F9**



**FEATURES & SPECIFICATIONS**

**INTENDED USE** — Intended for mounting heights up to 16’ requiring low to medium light levels. Ideal for light duty task lighting, utility, storage rooms or retail.

**CONSTRUCTION** — Channel constructed of die-formed cold rolled steel. Sturdy combination reflector and channel cover constructed of die-formed cold rolled steel and secured by quarter-turn latch for easy access to wire-way. Screw on endplates. Available in 2’, 4’, or 8’ tandem wired lengths. Accepts plug-in option for 1, 2 or 3 primary circuits.

**Finish:** Five-stage iron phosphate pretreatment ensures superior paint adhesion and corrosion-resistance. Reflector and channel finished with a high-gloss baked white enamel.

**OPTICS** — Solid top or apertured 8% uplight available. Both reflectors are die-embossed.

**ELECTRICAL** — Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed and CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.

AWM, TFN, THHN wire throughout, rated for required temperatures.

**INSTALLATION** — For unit or row installations, surface or suspended mounting.

**LISTINGS** — UL Listed for 25°C ambient temperatures. 120V, 277V and MVOLT are UL Listed and CSA Certified (standard). 347V is CSA Certified (see Options). NOM Certified (see Options). Suitable for damp locations.

**WARRANTY** — 1-year limited warranty. Full warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

Ballast warranties provided through the component manufacturers.

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type

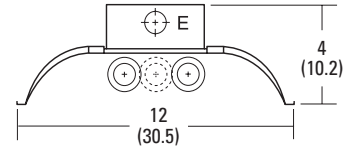
**Standard Industrial**



**2’, 4’ or 8’ length  
1 or 2 lamps**

*Specifications*

Length:	24 (61.0)
	48 (121.9)
	96 (243.8)
Width:	12 (30.5)
Fixture depth:	4 (10.2)



All dimensions are inches (centimeters) unless otherwise indicated.

**ORDERING INFORMATION**

For shortest lead times, configure product using **bolded options**.

**Example:** L 2 32 120

L	2	3 2	MVOLT	GEB10IS
Series	Number of lamps	Lamp type	Voltage	Options
<b>L</b> Standard industrial, solid top	<b>1</b>	<b>17</b> 17W T8 (24")	<b>120</b>	<b>GEB10IS</b> Electronic ballasts, ≤10% THD, Instant Start
<b>LA</b> Standard industrial, apertured reflector	2	<b>32</b> 32W T8 (48")	<b>277</b>	GEB10RS Electronic ballast, ≤10% THD, rapid start for 347V
For tandem double-length unit, add prefix T. Example: TL	Not included	48 38W T12 slimline (48")	<b>347</b>	GEB10PS Electronic ballast, ≤10% THD, programmed start
		48T8HO 60W T8 slimline (48")	<b>MVOLT</b>	EL Emergency battery pack. (Nominal 300 lumens) See Life Safety Section <sup>1</sup>
		96 75W slimline (96")	Others available	<b>GLR</b> Internal fast-blow fuse (add X for external) <sup>1</sup>
		96T8 59W T8 slimline (96")		<b>GMF</b> Internal slow-blow fuse (add X for external) <sup>1</sup>
		96T8HO 86W T8 300mA (96")		<b>PLF_</b> Plug-in wiring. Specify 1, 2 or 3 branch circuits and hot wires (A=Black, B=Red, C=Blue, AB or AC)
				SSR Specular silver reflector finish (95% reflective)
				TILW Tandem in-line wiring
				CSA CSA Certified (Only required for 347V)
				NOM NOM Certified
				PAF Paint after fabrication

HC	
Accessories	
Order as separate catalog number	
SQ_	Swivel stem hanger (specify length in 2" increments).
1B	Ceiling spacer (adjusts from 1-1/2" to 2-1/2" from ceiling).
WGL	Wireguard, 4' white. Order 2 for 8' fixtures.
THM55HB	Tong hanger.
<b>HC36</b>	<b>Chain hanger - 36" (1pair .36" long).</b>
CONLGC	12" screw-on channel connector.

**Notes**  
1 Specify voltage.

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description: L 2 32 MVOLT GEB10IS HC**

**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**

**F9**

**L**

**MOUNTING DATA**

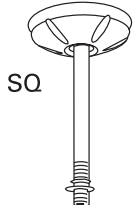
For unit or row installation, surface or suspended mounting.

Unit installation — Minimum of two hangers required.

Row installation — Two hangers per channel required. One per fixture plus one per row if CONLGC installed.

Hooker\* (HRC) and HC Hangers — Minimum two per channel (unit and row)

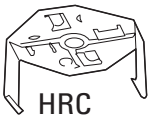
See ACCESSORIES below for hanging devices.



SQ



HC36

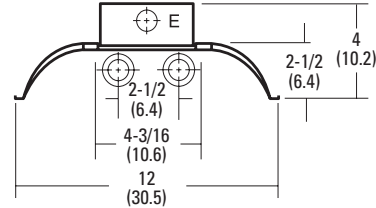
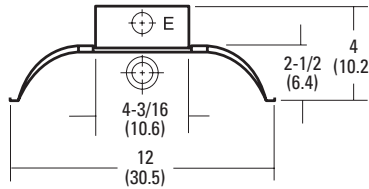


HRC

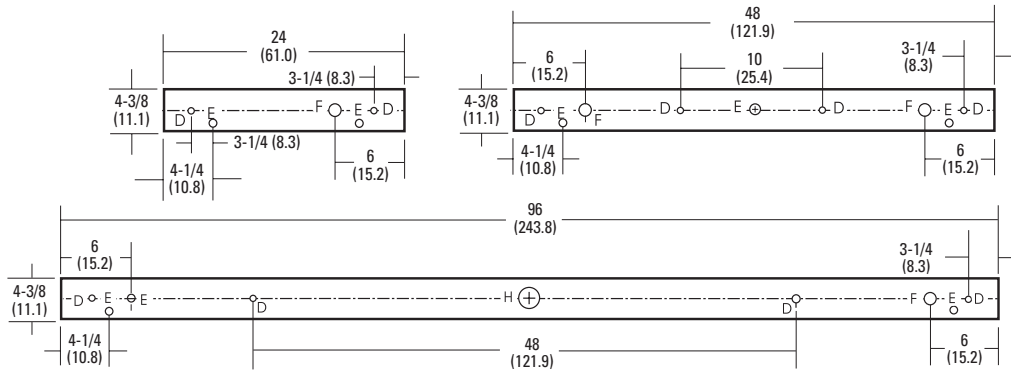
**DIMENSIONS**

Inches (centimeters).

Subject to change without notice.



D = 11/16 (17) Dia.K.O.  
E = 7/8 (22) Dia.K.O.  
F = 1-1/8 (29) Dia.K.O.  
H = 2 (51) Dia.K.O.



**PHOTOMETRICS**

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Full photometric data available upon request.

**L 2 32**

**Report LTL 5180**

**S/MH 1.5**

**Coefficient of Utilization**

Ceiling	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	96	92	88	94	90	87	86	83	81
2	87	80	74	85	78	72	75	70	66
3	79	70	63	77	68	62	66	60	55
4	72	61	54	70	60	53	58	52	46
5	66	54	45	64	53	45	51	44	39
10	43	31	23	42	30	23	29	23	18

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixture
0-30	1165	20.1	22.7
0-40	1971	34.0	38.5
0-60	3758	64.8	73.3
0-90	5125	88.4	100.0
90-180	0	0.0	0.0
0-180	5125	88.4	100.0

**Cord Set Option**

Add suffix to end of catalog number, specify voltage.

All cord sets are 6', black. Other configurations available, consult factory.

Suffix	Description
<b>CS1</b>	Straight plug, 120V
<b>CS3</b>	Twist lock, 120V
<b>CS7</b>	Straight plug, 277V
<b>CS11</b>	Twist-lock, 277V
<b>CS25</b>	Twist-lock, 347V
<b>CS97</b>	Twist-lock, 480V
<b>CS93</b>	600V SO cord, no plug

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

LER-FL	ANNUAL ENERGY COST*	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	WATTS
86.2	\$2.97	(2) T8 F32	2900	.88	55

\* Comparative yearly lighting energy cost per 1000 lumens



**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** L 2 32 120 GEB10IS EL HC  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**  
**F9E**



**FEATURES & SPECIFICATIONS**

**INTENDED USE** — Intended for mounting heights up to 16’ requiring low to medium light levels. Ideal for light duty task lighting, utility, storage rooms or retail.

**CONSTRUCTION** — Channel constructed of die-formed cold rolled steel. Sturdy combination reflector and channel cover constructed of die-formed cold rolled steel and secured by quarter-turn latch for easy access to wire-way. Screw on endplates. Available in 2’, 4’, or 8’ tandem wired lengths. Accepts plug-in option for 1, 2 or 3 primary circuits.

**Finish:** Five-stage iron phosphate pretreatment ensures superior paint adhesion and corrosion-resistance. Reflector and channel finished with a high-gloss baked white enamel.

**OPTICS** — Solid top or apertured 8% uplight available. Both reflectors are die-embossed.

**ELECTRICAL** — Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed and CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.

AWM, TFN, THHN wire throughout, rated for required temperatures.

**INSTALLATION** — For unit or row installations, surface or suspended mounting.

**LISTINGS** — UL Listed for 25°C ambient temperatures. 120V, 277V and MVOLT are UL Listed and CSA Certified (standard). 347V is CSA Certified (see Options). NOM Certified (see Options). Suitable for damp locations.

**WARRANTY** — 1-year limited warranty. Full warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

Ballast warranties provided through the component manufacturers.

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type

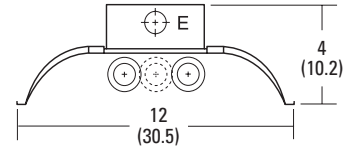
**Standard Industrial**



**2', 4' or 8' length  
1 or 2 lamps**

*Specifications*

Length:	24 (61.0)
	48 (121.9)
	96 (243.8)
Width:	12 (30.5)
Fixture depth:	4 (10.2)



All dimensions are inches (centimeters) unless otherwise indicated.

**ORDERING INFORMATION** For shortest lead times, configure product using **bolded options**.

**Example:** L 2 32 120

L	2	32	120	GEB10IS EL	
Series	Number of lamps	Lamp type	Voltage	Options	
<b>L</b> Standard industrial, solid top	<b>1</b>	<b>17</b> 17W T8 (24")	<b>120</b>	<b>GEB10IS</b> Electronic ballasts, ≤10% THD, Instant Start	SSR Specular silver reflector finish (95% reflective)
<b>LA</b> Standard industrial, apertured reflector For tandem double-length unit, add prefix T. Example: TL	<b>2</b>	<b>32</b> 32W T8 (48")	<b>277</b>	GEB10RS Electronic ballast, ≤10% THD, rapid start for 347V	TILW Tandem in-line wiring
	Not included	48 38W T12 slimline (48")	<b>347</b>	GEB10PS Electronic ballast, ≤10% THD, programmed start	CSA CSA Certified (Only required for 347V)
		48T8HO 60W T8 slimline (48")	<b>MVOLT</b>	<b>EL</b> Emergency battery pack. (Nominal 300 lumens) See Life Safety Section <sup>1</sup>	NOM NOM Certified
		96 75W slimline (96")	Others available	<b>GLR</b> Internal fast-blow fuse (add X for external) <sup>1</sup>	PAF Paint after fabrication
		96T8 59W T8 slimline (96")		<b>GMF</b> Internal slow-blow fuse (add X for external) <sup>1</sup>	
96T8HO 86W T8 300mA (96")			<b>PLF_</b> Plug-in wiring. Specify 1, 2 or 3 branch circuits and hot wires (A=Black, B=Red, C=Blue, AB or AC)		

HC	
Accessories	
Order as separate catalog number	
SQ_	Swivel stem hanger (specify length in 2" increments).
1B	Ceiling spacer (adjusts from 1-1/2" to 2-1/2" from ceiling).
WGL	Wireguard, 4' white. Order 2 for 8' fixtures.
THM55HB	Tong hanger.
<b>HC36</b>	<b>Chain hanger - 36" (1pair .36" long).</b>
CONLGC	12" screw-on channel connector.

**Notes**  
1 Specify voltage.

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** L 2 32 120 GEB10IS EL HC  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**

**F9E**

**L**

**MOUNTING DATA**

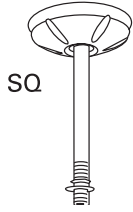
For unit or row installation, surface or suspended mounting.

Unit installation — Minimum of two hangers required.

Row installation — Two hangers per channel required. One per fixture plus one per row if CONLGC installed.

Hooker\* (HRC) and HC Hangers — Minimum two per channel (unit and row)

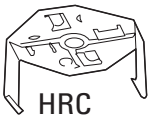
See ACCESSORIES below for hanging devices.



SQ



HC36

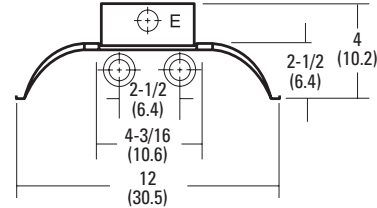
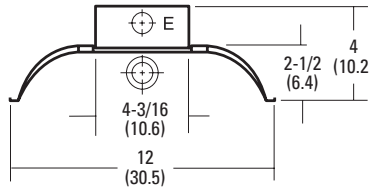


HRC

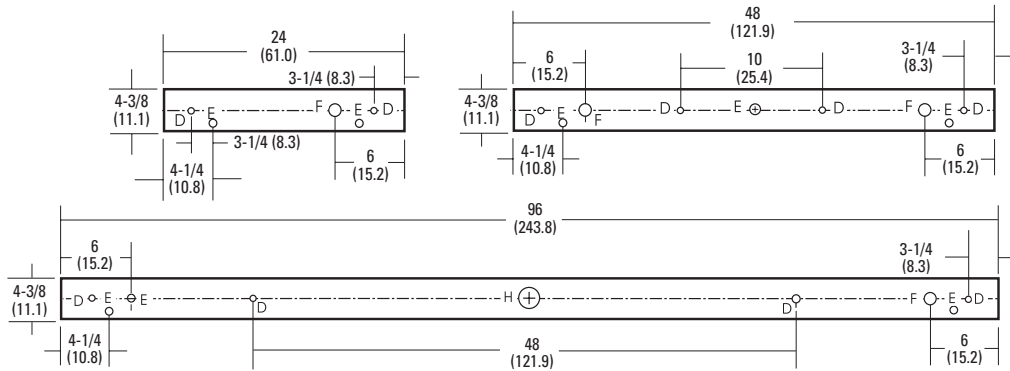
**DIMENSIONS**

Inches (centimeters).

Subject to change without notice.



D = 11/16 (17) Dia.K.O.  
E = 7/8 (22) Dia.K.O.  
F = 1-1/8 (29) Dia.K.O.  
H = 2 (51) Dia.K.O.



**PHOTOMETRICS**

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Full photometric data available upon request.

**L 2 32**

**Report LTL 5180**

**S/MH 1.5**

**Coefficient of Utilization**

	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	70%	50%	30%
1	96	92	88	94	90	87	86	83	81
2	87	80	74	85	78	72	75	70	66
3	79	70	63	77	68	62	66	60	55
4	72	61	54	70	60	53	58	52	46
5	66	54	45	64	53	45	51	44	39
10	43	31	23	42	30	23	29	23	18

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixture
0-30	1165	20.1	22.7
0-40	1971	34.0	38.5
0-60	3758	64.8	73.3
0-90	5125	88.4	100.0
90-180	0	0.0	0.0
0-180	5125	88.4	100.0

**Cord Set Option**

Add suffix to end of catalog number, specify voltage.

All cord sets are 6', black. Other configurations available, consult factory.

Suffix	Description
<b>CS1</b>	Straight plug, 120V
<b>CS3</b>	Twist lock, 120V
<b>CS7</b>	Straight plug, 277V
<b>CS11</b>	Twist-lock, 277V
<b>CS25</b>	Twist-lock, 347V
<b>CS97</b>	Twist-lock, 480V
<b>CS93</b>	600V SO cord, no plug

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

LER-FL	ANNUAL ENERGY COST*	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	WATTS
86.2	\$2.97	(2) T8 F32	2900	.88	55

\* Comparative yearly lighting energy cost per 1000 lumens



**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** EXR LED EL M6  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**  
**EX**



**FEATURES & SPECIFICATIONS**

**INTENDED USE**

LED lighted exit signs for marking the means of egress in accordance with Life Safety Code NFPA 101.

**CONSTRUCTION**

Injection-molded, flame-retardant, high-impact, thermoplastic housing with snap-fit design components for easy installation. Universal J-box pattern and universal mounting capabilities: top, back or end mounting (canopy included). Universal chevrons are easily removed for directional indication. Fully assembled single face with extra faceplate for easy field-conversion to double face.

Letters 6" high with 3/4" stroke, with 100 ft viewing distance rating, based on UL924 standards.

**OPTICS**

The typical life of the LED lamp is 10 years.

**ELECTRICAL**

Dual-voltage input 120V or 277V AC. Emergency exits provided with test switch, status indicator and rechargeable battery. Maintenance-free ni-cad battery provides 90 minutes of emergency power.

**LISTINGS**

UL Listed. Meets UL 924, NFPA 101, NFPA 70-NEC and OSHA illumination standards. Indoor damp location 50° to 104°F (10°C to 40°C) listed standard.

**WARRANTY**

Fixtures are covered by Lithonia Lighting 24-month warranty against mechanical defects in manufacture. All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.

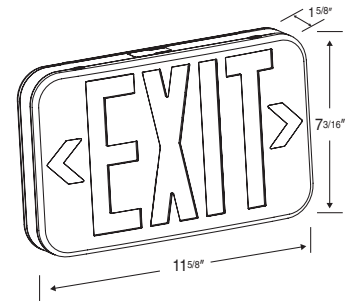
Catalog Number
Notes
Type

**Contractor Select**

**LED Exits**



EXR LED



All dimensions are inches (centimeters).

**ORDERING INFORMATION**

Catalog Number	UPC	Description	Supply Voltage	Input Wattage	Pallet Qty.	Standard Carton Qty.
EXR LED M6	784231874684	Red exit	120/277	2	270	6
EXG LED M6	784231874806	Green exit	120/277	2	270	6
<b>EXR LED EL M6</b>	<b>784231874738</b>	<b>Red exit with backup battery</b>	<b>120/277</b>	<b>2</b>	<b>270</b>	<b>6</b>
EXG LED EL M6	784231874851	Green exit with backup battery	120/277	2	270	6

<b>Accessories:</b> Order as separate catalog number.	
ELA WG1	Wireguard (back mount only)

**Notes**

1 See spec sheet [ELA-WG](#).

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:**

**EXR LED EL M6**

**Factory:**

Lithonia Lighting

**Project:**

REDEEMER LUTHERAN CHURCH

**Notes:**

**Type:**

**EX**

## Emergency LED Exits

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**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** KAD 400M R3 TB SPD04 LPI SCWA  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**  
**P1**



**FEATURES & SPECIFICATIONS**

**INTENDED USE** – Ideal for parking areas, street lighting, walkways and car lots.  
**CONSTRUCTION** – Rugged, die-cast, soft corner aluminum housing with 0.12" nominal wall thickness. Die-cast door frame has impact-resistant, tempered, glass lens that is fully gasketed with one-piece tubular silicone. Finish: Standard finish is dark bronze (DDB) polyester powder finish, with other architectural colors available.  
**OPTICS** – Anodized, aluminum reflectors: IES full cutoff distributions R2 (asymmetric), R3 (asymmetric), R4 (forward throw) and R55 (square) are interchangeable. High-performance anodized, segmented aluminum reflectors IES full cutoff distributions SR2 (asymmetric), SR3 (asymmetric) and SR45C (forward throw, sharp cutoff). High-performance reflectors attach with tool-less fasteners and are rotatable and interchangeable.  
**ELECTRICAL** – Ballast: High pressure sodium: 70-150W is high reactance, high power factor. Constant wattage autotransformer for 200-400W. Metal halide: 70-150W is high reactance, high power factor and is standard with pulse-start ignitor technology. "SCWA" not required. Constant wattage autotransformer for 175-400W. Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for metal halide 151-400W (SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. Pulse-start ballast (SCWA) required for 200W, 320W, or 350W. Ballast is 100% factory-tested.

Socket: Porcelain, horizontally oriented medium base socket for 70-150M. Mogul base socket for 175M and above, and 70-400S, with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V.  
**LISTINGS** – UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations. IP65 rated in accordance with standard IEC 529.  
**WARRANTY** – 1-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)  
Note: Specifications subject to change without notice.



Catalog Number
Notes
Type



*Specifications*

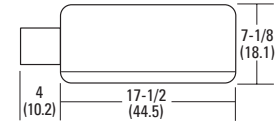
EPA: 1.2 ft.<sup>2</sup>  
\*Weight: 35.9 lbs (16.28 kg)  
Length: 17-1/2" (44.5)  
Width: 17-1/2" (44.5)  
Depth: 7-1/8 (18.1)  
All dimensions are inches (centimeters) unless otherwise specified.  
\*Weight as configured in example below.



Soft Square Lighting

**KAD**

METAL HALIDE: 70-400W  
HIGH PRESSURE SODIUM: 70-400W  
20' TO 35' MOUNTING



**ORDERING INFORMATION**

For shortest lead times, configure product using **bolded options**.

**Example:** KAD 400M R3 TB SCWA SPD04 LPI

KAD	400M	R3	TB	SCWA	SPD04		
<b>Series</b>	<b>Wattage</b>	<b>Distribution</b>	<b>Voltage</b>	<b>Ballast</b>	<b>Mounting<sup>12</sup></b>		
<b>KAD</b>	Metal halide 70M <sup>1,2</sup> <b>250M<sup>4</sup></b> 100M <sup>1</sup> 320M <sup>4</sup> 150M 350M <sup>3,4</sup> 175M <sup>3</sup> <b>400M<sup>5,6</sup></b> 200M <sup>4</sup>	Ceramic metal halide 70MHC <sup>1,2</sup> 100MHC <sup>1</sup> 150MHC	Standard reflectors R2 IES type II asymmetric <sup>7</sup> <b>R3 IES type III asymmetric<sup>7</sup></b> R4 IES type IV forward throw <sup>7</sup> R55 IES type V square	High performance reflectors <sup>8</sup> SR2 IES type II asymmetric <sup>7</sup> SR3 IES type III asymmetric <sup>7</sup> SR45C IES type IV forward throw	120 208 <sup>9</sup> 240 <sup>9</sup> <b>277</b> <b>347</b> <b>480<sup>9</sup></b> <b>TB<sup>10</sup></b> 23050HZ <sup>11</sup>	(blank) Magnetic ballast CWI Contant wattage isolated <sup>11</sup> <b>Pulse Start</b> <b>SCWA Super CWA pulse-start ballast</b> NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	Ships in fixture carton <b>SPD</b> <b>Square pole</b> RPD___ Round pole WBD___ Wall bracket WWD___ Wood or pole wall Ships separately <sup>13,14</sup> DAD12P Degree arm (pole) DAD12WB Degree arm (wall) WBA Decorative wall bracket <sup>15</sup> KMA Mast arm external fitter KTMB Twin mounting bar
					Arm length <b>04 4" arm</b> <b>06 6" arm</b> <b>09 9" arm</b> 12 12" arm		

				LPI		
Options				Finish <sup>20</sup>		Lamp <sup>21</sup>
Shipped installed in fixture		CSA CSA Certified	PE3 NEMA twist-lock PE (347V)	<b>(blank)</b> <b>Dark bronze</b>	DNAXD Natural aluminum	<b>LPI Lamp included</b>
SF Single fuse (120, 277, 347V) <sup>16</sup>	INTL Available MH for probe start shipping outside the U.S.	PE4 NEMA twist-lock PE (480V)	PE7 NEMA twist-lock PE (277V)	DWH White	DWHXD White	
DF Double fuse (208, 240, 480V) <sup>16</sup>	REGC1 California Title 20, effective 1/1/2010	SC Shorting cap for PER option	VG Vandal guard <sup>19</sup>	DBL Black	DBBTD Textured dark bronze	L/LP Less lamp
PD Power tray <sup>17</sup>	Shipped separately <sup>13</sup>	WG Wire guard <sup>19</sup>		DDB Black	DBLXD Textured black	
PER NEMA twist-lock receptacle only (no photocontrol)	HS House side shield			DNA Natural aluminum	DNATXD Textured natural aluminum	
QRS Quartz restrike system <sup>18</sup>	PE1 NEMA twist-lock PE (120, 208, 240V)			<b>Super Durable Finishes</b>	DWHGXD Textured white	
QRSTD QRS time delay <sup>18</sup>				DDBXD Dark bronze		
WTB Terminal wiring block <sup>17</sup>				DBLXD Black		

**Notes**

- Not available with SCWA.
- Not available with 480V.
- These wattages do not comply with California Title 20 regulations.
- Must be ordered with SCWA.
- These wattages require the REGC1 option to be chosen for shipments into California for Title 20 compliance. 250M REGC1 is not available in 347 or 480V.
- Reduced jacket ED28 required for SR2, SR3 and SR45C optics.
- House-side shield available.
- High performance reflectors not available with QRSTD.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V; in Canada: 120, 277, 347V).
- Consult factory for available wattages.
- 9" arm is required when two or more luminaires are oriented on a 90° drilling pattern.
- May be ordered as an accessory.
- Must specify finish when ordered as an accessory.
- Available with SPD04 and SPD09.
- Must specify voltage. N/A with TB.
- Only available with SR2, SR3 and SR45C optics.
- Max allowable wattage lamp included.
- Prefix with KAD when ordered as an accessory.
- Must be specified. L/LP not available with MHC.
- Must use RPD09.

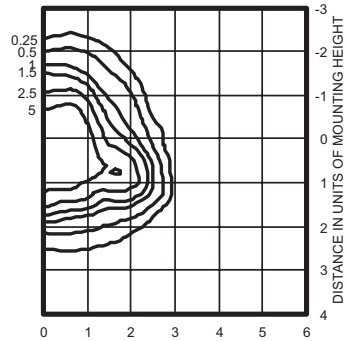
Accessories: Tenon Mounting Slipfitter (RPxx required.) Order as separate catalog number. Must be used with pole mounting.							
Number of fixtures							
Tenon O.D.	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°	
2-3/8"	T20-190	T20-280	T20-290 <sup>22</sup>	T20-320 <sup>22</sup>	T20-390 <sup>22</sup>	T20-490 <sup>22</sup>	
2-7/8"	T25-190	T25-280	T25-290 <sup>22</sup>	T25-320	T25-390 <sup>22</sup>	T25-490 <sup>22</sup>	
4	T35-190	T35-280	T35-290 <sup>22</sup>	T35-320	T35-390 <sup>22</sup>	T35-490 <sup>22</sup>	



# KAD Metal Halide, Arm-mounted Soft Square Cutoff

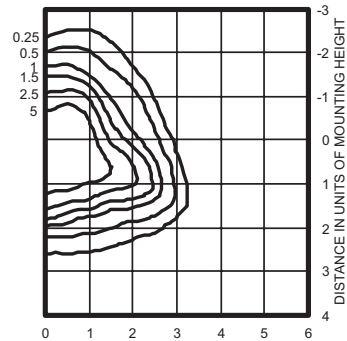
Coefficient of Utilization \_\_\_\_\_  
 Initial Footcandles \_\_\_\_\_

**KAD 400M R2** Test no. 1193083101P  
**ISOILLUMINANCE PLOT (Footcandle)**



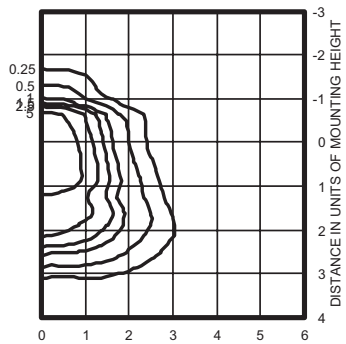
400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting height.  
 Classification: Type II, Short, Full Cutoff

**KAD 400M R3** Test no. 1192040902P  
**ISOILLUMINANCE PLOT (Footcandle)**



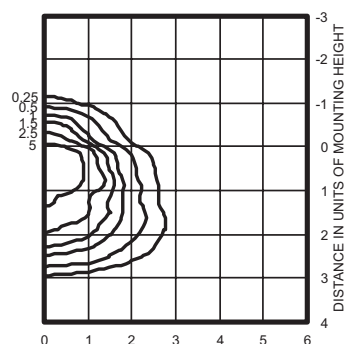
400W pulse start metal halide lamp, rated 38,000 lumens. Footcandle values based on 20' mounting height.  
 Classification: Type II, Short, Full Cutoff

**KAD 400M R4** Test no. 1191110101P  
**ISOILLUMINANCE PLOT (Footcandle)**



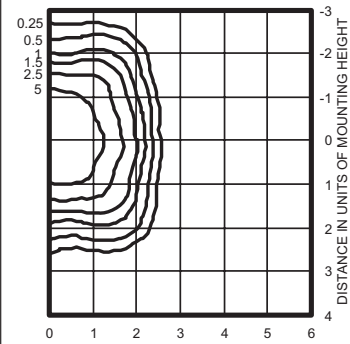
400W pulse start metal halide lamp, rated 38,000 lumens. Footcandle values based on 20' mounting height.  
 Classification: Unclassified (Type III, Very Short), Full Cutoff

**KAD 400M R4HS** Test no. 1192061101P  
**ISOILLUMINANCE PLOT (Footcandle)**



400W pulse start metal halide lamp, rated 38,000 lumens. Footcandle values based on 20' mounting height.  
 Classification: Unclassified (Type III, Very Short), Full

**KAD 400M R5S** Test no. 1194040801P  
**ISOILLUMINANCE PLOT (Footcandle)**



400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting height.  
 Classification: Unclassified (Type NC, Very Short), Full Cutoff

**Notes**

- 1 Photometric data for other distributions can be accessed at [www.lithonia.com](http://www.lithonia.com).
- 2 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications on this sheet are based on the most current available data and are subject to change without notice.
- 3 For electrical characteristics, consult outdoor technical data specification sheets on [www.lithonia.com](http://www.lithonia.com).

**Mounting Height Correction Factor**

(Multiply the fc level by the correction factor)  
 25 ft. = 0.64  
 35 ft. = 0.32  
 40 ft. = 0.25

$$\left( \frac{\text{Existing Mounting Height}}{\text{New Mounting Height}} \right)^2 = \text{Correction Factor}$$

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:**

**SSS 30 6G DM19 DDB**  
**Lithonia Lighting**  
**REDEEMER LUTHERAN CHURCH**

**Factory:**  
**Project:**  
**Notes:**

**Type:**

**P1**



**FEATURES & SPECIFICATIONS**

**INTENDED USE** — Square straight steel pole for up to 39-foot mounting height.

**CONSTRUCTION** — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

Actual performance may differ as a result of end-user environment and application.

Catalog Number
Notes
Type



**Anchor Base Poles**

**SSS**

**SQUARE STRAIGHT STEEL**

**Example: SSS 20 5C DM19 DDB**

**ORDERING INFORMATION**

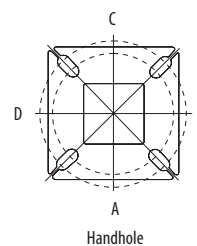
Lead times will vary depending on options selected. Consult with your sales representative.

SSS	30	6G	DM19		DDB	
Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting <sup>1</sup>	Options	Finish <sup>10</sup>	
<b>SSS</b>	10 – 39 feet (See back page.)	(See back page.)	<b>Tenon mounting</b> PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) <b>Drill mounting<sup>2</sup></b> DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° <b>CSX/DSX/AERIS™/OMERO™ Drill mounting<sup>2</sup></b> DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90°	<b>AERIS™ Suspend drill mounting<sup>3</sup></b> DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° <b>OMERO™ Suspend drill mounting<sup>3</sup></b> DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	<b>Shipped installed</b> L/AB Less anchor bolts VD Vibration damper TP Tamper proof H1-18Sxx Horizontal arm bracket (1 fixture) <sup>4,5</sup> FDLxx Festoon outlet less electrical <sup>4</sup> CPL12xx 1/2" coupling <sup>4</sup> CPL34xx 3/4" coupling <sup>4</sup> CPL1xx 1" coupling <sup>4</sup> NPL12xx 1/2" threaded nipple <sup>4</sup> NPL34xx 3/4" threaded nipple <sup>4</sup> NPL1xx 1" threaded nipple <sup>4</sup> EHHxx Extra handhole <sup>6,6</sup> MAEX Match existing <sup>7</sup> USPOM United States point of manufacture <sup>8</sup> IC Interior coating <sup>9</sup>	<b>Standard colors</b> DDB Dark bronze DWH White DBL Black DMB Medium bronze DNA Natural aluminum <b>Classic colors</b> DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue <b>Architectural colors (powder finish)<sup>10</sup></b>

**NOTES:**

- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
- The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.  
For 1st "x": Specify the height in feet above base of pole.  
Example: 5ft = 5 and 20ft = 20  
For 2nd "x": Specify orientation from handhole (A,B,C,D)  
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

**HANDHOLE ORIENTATION**



**IMPORTANT INSTALLATION NOTES:**

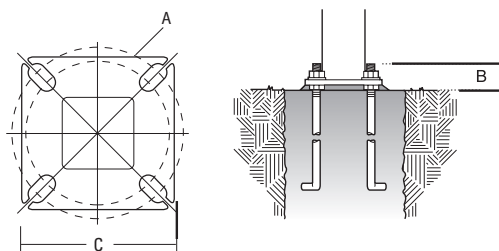
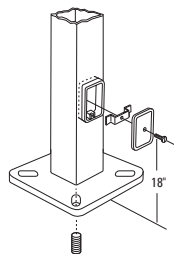
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.



## SSS Square Straight Steel Poles

TECHNICAL INFORMATION													
Catalog Number	Nominal mount ht. (ft)	Pole Shaft Size (in x ft)	Wall Thickness (in)	Gauge	EPA (ft <sup>2</sup> ) with 1.3 gust						Bolt Circle (in)	Bolt Size (in x in x in)	Approximate ship (lbs)
					80 mph	Max. weight	90 mph	Max. weight	100 mph	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8-9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8-9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8-9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8-9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8-9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	8-9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8-9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10-12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10-12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8-9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8-9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10-12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10-12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.1793	7	6.7	168	4.4	110	2.6	65	8-9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.1196	11	4.7	150	2	50	--	--	10-12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.1793	7	10.7	267	6.7	167	3.9	100	10-12	1 x 36 x 4	380
<b>SSS 30 6G</b>	<b>30</b>	<b>6.0 x 30.0</b>	<b>0.1793</b>	<b>7</b>	<b>19</b>	<b>475</b>	<b>13.2</b>	<b>330</b>	<b>9</b>	<b>225</b>	<b>11-13</b>	<b>1 x 36 x 4</b>	<b>520</b>
SSS 35 5G	35	5.0 x 35.0	0.1793	7	5.9	150	2.5	100	--	--	10-12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.1793	7	12.4	310	7.6	190	4.2	105	11-13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.1793	7	7.2	180	3	75	--	--	11-13	1 x 36 x 4	605

### BASE DETAIL



POLE DATA						
Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

**IMPORTANT:**

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:** KAD 400M R3 TB SPD04 LPI SCWA  
**Factory:** Lithonia Lighting  
**Project:** REDEEMER LUTHERAN CHURCH  
**Notes:**

**Type:**  
**P2**



**FEATURES & SPECIFICATIONS**

**INTENDED USE** – Ideal for parking areas, street lighting, walkways and car lots.  
**CONSTRUCTION** – Rugged, die-cast, soft corner aluminum housing with 0.12" nominal wall thickness. Die-cast door frame has impact-resistant, tempered, glass lens that is fully gasketed with one-piece tubular silicone. Finish: Standard finish is dark bronze (DDB) polyester powder finish, with other architectural colors available.  
**OPTICS** – Anodized, aluminum reflectors: IES full cutoff distributions R2 (asymmetric), R3 (asymmetric), R4 (forward throw) and R5S (square) are interchangeable. High-performance anodized, segmented aluminum reflectors IES full cutoff distributions SR2 (asymmetric), SR3 (asymmetric) and SR45C (forward throw, sharp cutoff). High-performance reflectors attach with tool-less fasteners and are rotatable and interchangeable.  
**ELECTRICAL** – Ballast: High pressure sodium: 70-150W is high reactance, high power factor. Constant wattage autotransformer for 200-400W. Metal halide: 70-150W is high reactance, high power factor and is standard with pulse-start ignitor technology. "SCWA" not required. Constant wattage autotransformer for 175-400W. Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for metal halide 151-400W (SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. Pulse-start ballast (SCWA) required for 200W, 320W, or 350W. Ballast is 100% factory-tested.

Socket: Porcelain, horizontally oriented medium base socket for 70-150M. Mogul base socket for 175M and above, and 70-400S, with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V.  
**LISTINGS** – UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations. IP65 rated in accordance with standard IEC 529.  
**WARRANTY** – 1-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)  
Note: Specifications subject to change without notice.



Catalog Number
Notes
Type



*Specifications*

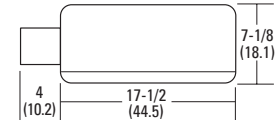
EPA: 1.2 ft.<sup>2</sup>  
\*Weight: 35.9 lbs (16.28 kg)  
Length: 17-1/2" (44.5)  
Width: 17-1/2" (44.5)  
Depth: 7-1/8 (18.1)  
All dimensions are inches (centimeters) unless otherwise specified.  
\*Weight as configured in example below.



Soft Square Lighting

**KAD**

METAL HALIDE: 70-400W  
HIGH PRESSURE SODIUM: 70-400W  
20' TO 35' MOUNTING



**ORDERING INFORMATION**

For shortest lead times, configure product using **bolded options**.

**Example:** KAD 400M R3 TB SCWA SPD04 LPI

KAD	400M			R3		TB	SCWA	SPD04	
Series	Wattage			Distribution		Voltage	Ballast	Mounting <sup>12</sup>	
<b>KAD</b>	Metal halide	High pressure sodium <sup>1</sup>	Ceramic metal halide	Standard reflectors	High performance reflectors <sup>8</sup>	120	(blank) Magnetic ballast	Ships in fixture carton	Arm length
	70M <sup>1,2</sup> <b>250M<sup>4</sup></b>	70S	70MHC <sup>1,2</sup>	R2 IES type II asymmetric <sup>7</sup>	SR2 IES type II asymmetric <sup>7</sup>	208 <sup>9</sup>	CWI Contant wattage isolated <sup>11</sup>	<b>SPD</b> <b>Square pole</b>	<b>04</b> <b>4" arm</b>
	100M <sup>1</sup> 320M <sup>4</sup>	100S	100MHC <sup>1</sup>	<b>R3</b> IES type III asymmetric <sup>7</sup>	SR3 IES type III asymmetric <sup>7</sup>	240 <sup>9</sup>	<b>Pulse Start</b> <b>SCWA</b> <b>Super CWA pulse-start ballast</b>	RPD___ Round pole	<b>06</b> <b>6" arm</b>
	150M 350M <sup>3,4</sup>	150S	150MHC	R4 IES type IV forward throw <sup>7</sup>	SR45C IES type IV forward throw	<b>277</b>	NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	WBD___ Wall bracket	<b>09</b> <b>9" arm</b>
	175M <sup>3</sup> <b>400M<sup>5,6</sup></b>	250S		R5S IES type V square		<b>347</b>		WWD___ Wood or pole wall	12 12" arm
	200M <sup>4</sup>	<b>400S</b>				<b>480<sup>9</sup></b>		Ships separately <sup>13,14</sup>	
						<b>TB<sup>10</sup></b>		DAD12P Degree arm (pole)	
						23050HZ <sup>11</sup>		DAD12WB Degree arm (wall)	
								WBA Decorative wall bracket <sup>15</sup>	
								KMA Mast arm external fitter	
								KTMB Twin mounting bar	

Options						Finish <sup>20</sup>			LPI	
Shipped installed in fixture						<b>(blank)</b> <b>Dark bronze</b>			<b>LPI</b> <b>Lamp included</b>	
SF	Single fuse (120, 277, 347V) <sup>16</sup>	CSA	CSA Certified	PE3	NEMA twist-lock PE (347V)	<b>DWH</b>	White	DNAXD	Natural aluminum	<b>L/LP</b> <b>Less lamp</b>
DF	Double fuse (208, 240, 480V) <sup>16</sup>	INTL	Available MH for probe start shipping outside the U.S.	PE4	NEMA twist-lock PE (480V)	<b>DBL</b>	Black	DWHXD	White	
PD	Power tray <sup>17</sup>	REGC1	California Title 20, effective 1/1/2010	PE7	NEMA twist-lock PE (277V)	<b>DMB</b>	Medium bronze	DBBTD	Textured dark bronze	
PER	NEMA twist-lock receptacle only (no photocontrol)		Shipped separately <sup>13</sup>	SC	Shorting cap for PER option	<b>DNA</b>	Natural aluminum	DBLBD	Textured black	
QRS	Quartz restrike system <sup>18</sup>	HS	House side shield	VG	Vandal guard <sup>19</sup>	<b>DNB</b>	Natural aluminum	DNATXD	Textured natural aluminum	
QRSTD	QRS time delay <sup>18</sup>	PE1	NEMA twist-lock PE (120, 208, 240V)	WG	Wire guard <sup>19</sup>	Super Durable Finishes				
WTB	Terminal wiring block <sup>17</sup>					<b>DDBXD</b>	Dark bronze	DWHGXD	Textured white	
						<b>DBLXD</b>	Black			

**Accessories: Tenon Mounting Slipfitter (RPxx required.)**  
Order as separate catalog number. Must be used with pole mounting.

	Number of fixtures						
Tenon O.D.	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°	
2-3/8"	T20-190	T20-280	T20-290 <sup>22</sup>	T20-320 <sup>22</sup>	T20-390 <sup>22</sup>	T20-490 <sup>22</sup>	
2-7/8"	T25-190	T25-280	T25-290 <sup>22</sup>	T25-320	T25-390 <sup>22</sup>	T25-490 <sup>22</sup>	
4	T35-190	T35-280	T35-290 <sup>22</sup>	T35-320	T35-390 <sup>22</sup>	T35-490 <sup>22</sup>	

**Notes**

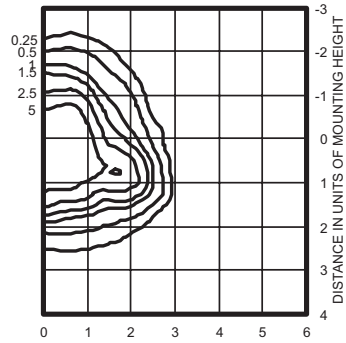
- Not available with SCWA.
- Not available with 480V.
- These wattages do not comply with California Title 20 regulations.
- Must be ordered with SCWA.
- These wattages require the REGC1 option to be chosen for shipments into California for Title 20 compliance. 250M REGC1 is not available in 347 or 480V.
- Reduced jacket ED28 required for SR2, SR3 and SR45C optics.
- House-side shield available.
- High performance reflectors not available with QRSTD.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V; in Canada: 120, 277, 347V).
- Consult factory for available wattages.
- 9" arm is required when two or more luminaires are oriented on a 90° drilling pattern.
- May be ordered as an accessory.
- Must specify finish when ordered as an accessory.
- Available with SPD04 and SPD09.
- Must specify voltage. N/A with TB.
- Only available with SR2, SR3 and SR45C optics.
- Max allowable wattage lamp included.
- Prefix with KAD when ordered as an accessory.
- Must be specified. L/LP not available with MHC.
- Must use RPD09.



# KAD Metal Halide, Arm-mounted Soft Square Cutoff

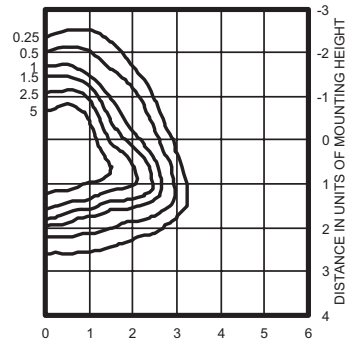
Coefficient of Utilization \_\_\_\_\_  
 Initial Footcandles \_\_\_\_\_

**KAD 400M R2** Test no. 1193083101P  
**ISOILLUMINANCE PLOT (Footcandle)**



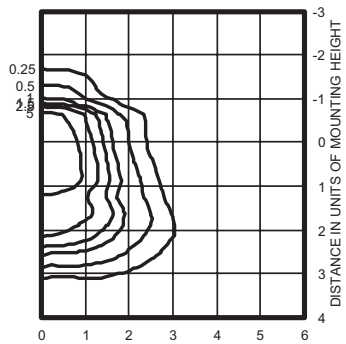
400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting height.  
 Classification: Type II, Short, Full Cutoff

**KAD 400M R3** Test no. 1192040902P  
**ISOILLUMINANCE PLOT (Footcandle)**



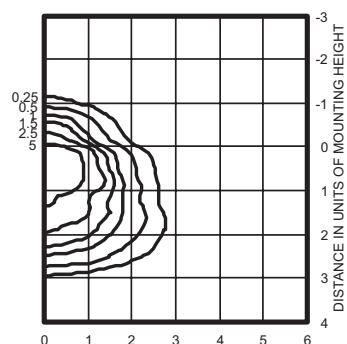
400W pulse start metal halide lamp, rated 38,000 lumens. Footcandle values based on 20' mounting height.  
 Classification: Type II, Short, Full Cutoff

**KAD 400M R4** Test no. 1191110101P  
**ISOILLUMINANCE PLOT (Footcandle)**



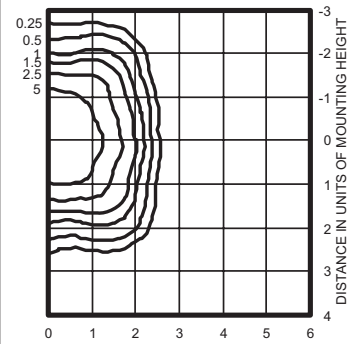
400W pulse start metal halide lamp, rated 38,000 lumens. Footcandle values based on 20' mounting height.  
 Classification: Unclassified (Type III, Very Short), Full Cutoff

**KAD 400M R4HS** Test no. 1192061101P  
**ISOILLUMINANCE PLOT (Footcandle)**



400W pulse start metal halide lamp, rated 38,000 lumens. Footcandle values based on 20' mounting height.  
 Classification: Unclassified (Type III, Very Short), Full

**KAD 400M R5S** Test no. 1194040801P  
**ISOILLUMINANCE PLOT (Footcandle)**



400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting height.  
 Classification: Unclassified (Type NC, Very Short), Full Cutoff

**Notes**

- 1 Photometric data for other distributions can be accessed at [www.lithonia.com](http://www.lithonia.com).
- 2 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications on this sheet are based on the most current available data and are subject to change without notice.
- 3 For electrical characteristics, consult outdoor technical data specification sheets on [www.lithonia.com](http://www.lithonia.com).

**Mounting Height Correction Factor**

(Multiply the fc level by the correction factor)  
 25 ft. = 0.64  
 35 ft. = 0.32  
 40 ft. = 0.25

$$\left( \frac{\text{Existing Mounting Height}}{\text{New Mounting Height}} \right)^2 = \text{Correction Factor}$$

**Submitting Agency:**



Lighting & Electrical Associates, Inc.  
504-887-1235

**Description:**

**SSS 30 6G DM28 DDB**  
**Lithonia Lighting**  
**REDEEMER LUTHERAN CHURCH**  
**Notes:**

**Type:**

**P2**



**FEATURES & SPECIFICATIONS**

**INTENDED USE** — Square straight steel pole for up to 39-foot mounting height.

**CONSTRUCTION** — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

Actual performance may differ as a result of end-user environment and application.

Catalog Number
Notes
Type



**Anchor Base Poles**

**SSS**

**SQUARE STRAIGHT STEEL**

**Example: SSS 20 5C DM19 DDB**

**ORDERING INFORMATION**

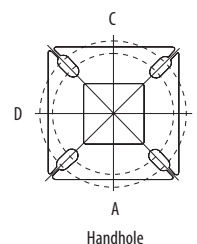
Lead times will vary depending on options selected. Consult with your sales representative.

sss	30	6G	DM28	DDB
<b>Series</b>	<b>Nominal fixture mounting height</b>	<b>Nominal shaft base size/wall thickness</b>	<b>Mounting<sup>1</sup></b>	<b>Options</b>
<b>SSS</b>	10 – 39 feet (See back page.)	(See back page.)	<b>Tenon mounting</b> PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) <b>Drill mounting<sup>2</sup></b> DM19 1 at 90° <b>DM28 2 at 180°</b> DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° <b>CSX/DSX/AERIS™/OMERO™ Drill mounting<sup>2</sup></b> DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90°	<b>Options</b> <b>Shipped installed</b> L/AB Less anchor bolts VD Vibration damper TP Tamper proof H1-18Sxx Horizontal arm bracket (1 fixture) <sup>4,5</sup> FDLxx Festoon outlet less electrical <sup>4</sup> CPL12xx 1/2" coupling <sup>4</sup> CPL34xx 3/4" coupling <sup>4</sup> CPL1xx 1" coupling <sup>4</sup> NPL12xx 1/2" threaded nipple <sup>4</sup> NPL34xx 3/4" threaded nipple <sup>4</sup> NPL1xx 1" threaded nipple <sup>4</sup> EHHxx Extra handhole <sup>6,6</sup> MAEX Match existing <sup>7</sup> USPOM United States point of manufacture <sup>8</sup> IC Interior coating <sup>9</sup>
				<b>Finish<sup>10</sup></b> <b>Standard colors</b> <b>DDB Dark bronze</b> DWH White DBL Black DMB Medium bronze DNA Natural aluminum <b>Classic colors</b> DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue <b>Architectural colors (powder finish)<sup>10</sup></b>

**NOTES:**

- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
- The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.  
For 1st "x": Specify the height in feet above base of pole.  
Example: 5ft = 5 and 20ft = 20  
For 2nd "x": Specify orientation from handhole (A,B,C,D)  
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

**HANDHOLE ORIENTATION**



**IMPORTANT INSTALLATION NOTES:**

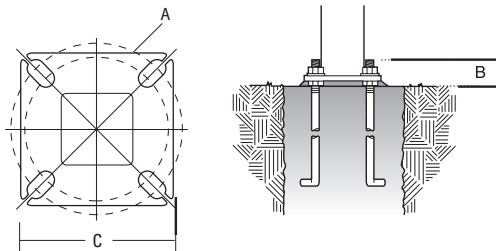
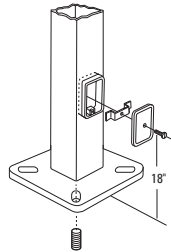
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.



## SSS Square Straight Steel Poles

TECHNICAL INFORMATION													
Catalog Number	Nominal mount ht. (ft)	Pole Shaft Size (in x ft)	Wall Thickness (in)	Gauge	EPA (ft²) with 1.3 gust						Bolt Circle (in)	Bolt Size (in x in x in)	Approximate ship (lbs)
					80 mph	Max. weight	90 mph	Max. weight	100 mph	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8-9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8-9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8-9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8-9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8-9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	8-9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8-9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10-12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10-12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8-9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8-9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10-12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10-12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.1793	7	6.7	168	4.4	110	2.6	65	8-9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.1196	11	4.7	150	2	50	--	--	10-12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.1793	7	10.7	267	6.7	167	3.9	100	10-12	1 x 36 x 4	380
<b>SSS 30 6G</b>	<b>30</b>	<b>6.0 x 30.0</b>	<b>0.1793</b>	<b>7</b>	<b>19</b>	<b>475</b>	<b>13.2</b>	<b>330</b>	<b>9</b>	<b>225</b>	<b>11-13</b>	<b>1 x 36 x 4</b>	<b>520</b>
SSS 35 5G	35	5.0 x 35.0	0.1793	7	5.9	150	2.5	100	--	--	10-12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.1793	7	12.4	310	7.6	190	4.2	105	11-13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.1793	7	7.2	180	3	75	--	--	11-13	1 x 36 x 4	605

### BASE DETAIL



POLE DATA						
Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

**IMPORTANT:**

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.