LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — Surface 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.

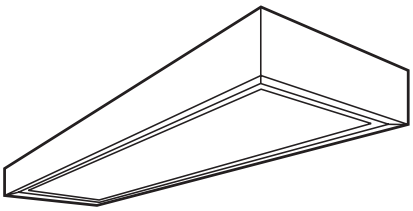
WARRANTY — 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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

Note: Specifications subject to change without notice.

Modular Commercial

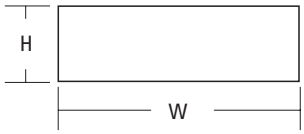
M 1X4



STRAIGHT LAMPS
1, 2 or 3 lamps

Specifications

Length: 48 (121.9)
Height: 4-3/4 (12.1)
Width: 12-1/4 (31.1)
Weight: 19 lbs. (8.6 kg.)
All dimensions are inches (centimeters) unless otherwise indicated.



ORDERING INFORMATION For shortest lead times, configure products using **standard options (shown in bold).** **Example**: M 2 32 A19 MVOLT GEB101S

M						
Series	**Lamps**	**Lamp Type**	**Frame Type**	**Diffuser**	**Voltage**	**Options**
M	**1** 2 **3** Not included	**32** 32W T8 (48") **28T5** 28W T5 (46") **54T5HO** 548W T5 high output (46")	blank Flush steel, white FN Flush aluminum, natural FM Flush aluminum, matte black **FW** Flush aluminum, white RN Regressed aluminum, natural **RW** Regressed aluminum, white	**A12** #12 pattern acrylic **A12125** #12 pattern acrylic, .125" thick **A19** #19 pattern acrylic, .156" thick PC1S 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[1] PC3S 3/4" x 3/4" x1/2" plastic cube louver, silver	347 **MVOLT** Others available	Shipped installed in fixture **1/3** One 3-lamp ballast [1] **GEB10IS** Electronic ballast, ≤10% THD, instant start (T8 only) **GEB10PS** Electronic ballast, ≤10% THD, programmed start **EL14** Emergency battery pack (nominal 1400 lumens)[2] GLR Internal fast-blow fuse GMF Internal slow-blow fuse **LP835** Lamped; 800-series; 3500 K **LP841** 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) **NOM** NOM Certified

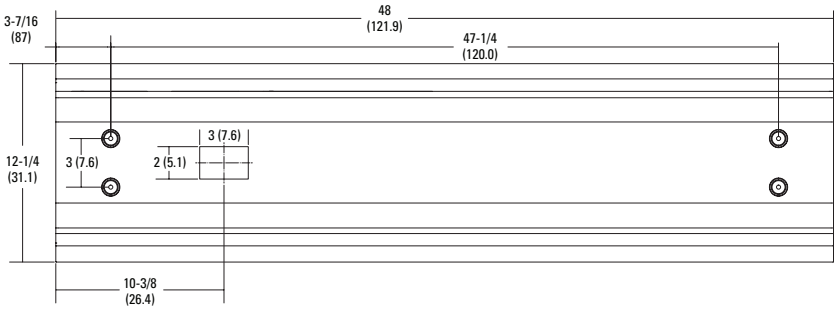
Notes
1 Not available with 28T5.
2 Must use 1/3 on three-lamp with 54T5HO lamps.

MOUNTING DATA

For unit or row installation. Surface mount only.

For row installation, CRE and CRM options required (see options).

For stem mounting, consult factory.

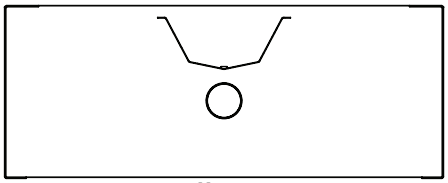


DIMENSIONS

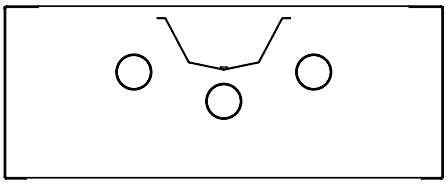
All dimensions are inches (millimeters).

Specifications subject to change without notice.

L = 48"
W = 12.25"
D = 4.8"



M 1 32



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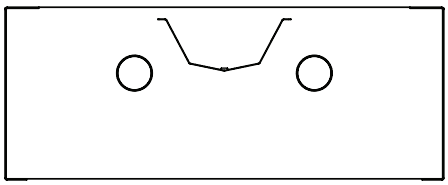

M 2 32

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

LER.FW	ANNUAL ENERGY COST*	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	WATTS
55	**$4.36**	(2) 32W T8	2850	.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. Full photometric data on these and other configurations available upon request.

TEST NO: LTL18551
LUMINAIRE CATALOG NO.: M 2 32 A12 MVOLT GEB10IS
LUMENS PER LAMP: 2800

Coefficients of Utilization

RCR	pf 20% pc 80% pw 50%	30%	10%	70% 50%	30%	10%	50% 50%	30%	10%
0	75	75	75	74	74	74	70	70	70
1	67	64	62	65	63	61	63	61	59
2	59	55	52	58	54	51	56	53	50
3	53	48	44	52	47	44	50	46	43
4	47	42	38	46	41	38	45	41	37
5	42	37	33	42	37	33	40	36	33
6	39	33	29	38	33	29	37	32	29
7	35	30	26	35	30	26	34	29	26
8	32	27	24	32	27	24	31	27	23
9	30	25	21	29	25	21	29	24	21
10	28	23	20	27	23	20	27	22	19

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1203.3	21.5	34.0
0° - 40°	1910.3	34.1	53.9
0° - 60°	3026.5	54.0	85.4
0° - 90°	3543.4	63.3	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	3543.4	63.3	100.0

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