

FEATURES & SPECIFICATIONS

INTENDED USE — 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

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

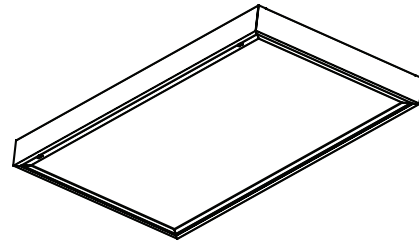
Note: Specifications subject to change without notice.

Catalog Number
Notes
Type

Modular Commercial

M 2X4

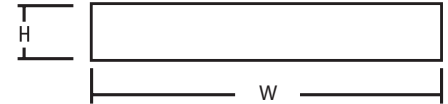
3 or 4 lamps



Specifications

Length: 48 (121.9)
 Width: 24-1/4 (61.6)
 Height: 3-1/2 (8.9)
 Weight: 24 lbs. (10.9 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 32 A12125 MVOLT GEB1015

Series	Lamps	Lamp Type	Frame Type	Diffuser	Voltage	Options
2M	2	32 32W T8 (48")	blank Flush steel, white	A12 #12 pattern acrylic	347	<u>Shipped installed in fixture</u>
	3	28T5 28W T5 (46")	FN Flush aluminum, natural	A12125 #12 pattern acrylic, .125" thick	MVOLT	1/3 One 3-lamp electronic ballast
	4	54T5HO 54W T5 high output (46")	FM Flush aluminum, matte black	A19 #19 pattern acrylic, .156" thick	Others available	1/4 One 4-lamp electronic ballast
	Not included		FW Flush aluminum, white	PC15 1/2" x 1/2" x 1/2" plastic cube louver, silver		GEB1015 Electronic ballast, ≤10% THD, instant start (T8 only)
			RN Regressed aluminum, natural	PC25 1-1/2" x 1-1/2" x 1-1/2" plastic cube louver, silver w/ flange ¹		GEB10PS Electronic ballast, ≤10% THD, programmed start
			RM Regressed aluminum, matte black	PC35 3/4" x 3/4" x 1/2" plastic cube louver, silver		EL14 Emergency battery pack ^{1,2}
			RW Regressed aluminum, white			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

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

Notes

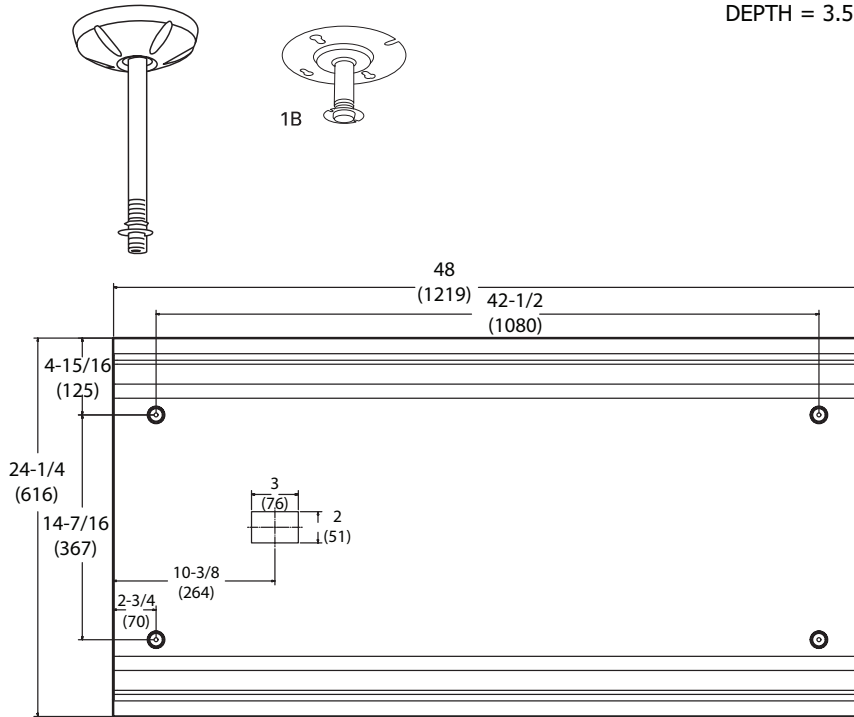
- Must use 1/3 on three-lamp with 54T5HO lamps.
- Must use 1/4 on four-lamp with 54T5HO lamps.

M-2X4 Modular Commercial

MOUNTING DATA

For unit or row installation. Surface or stem mounting.

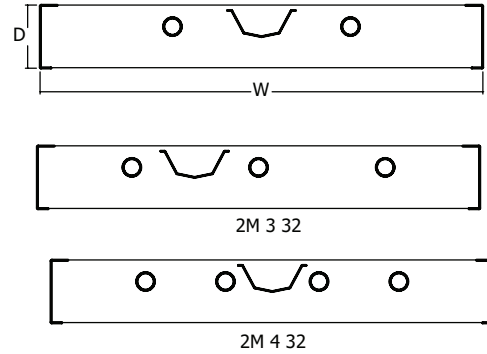
UNIT/ROW INSTALLATION — When stem-mounting, four stems are recommended per fixture.



DIMENSIONS

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

L = 48
WIDTH = 24.25
DEPTH = 3.5



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

ANNUAL LER.FW	LAMP ENERGY COST*	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	WATTS
63	\$3.81	(3) 32W T8	2850	.88	86

*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: LTL18488

LUMINAIRE CATALOG NO.: 2M 4 32 A12 MVOLT 1/4 GEB 10I
LUMENS PER LAMP: 2800

TEST NO: LTL18601

LUMINAIRE CATALOG NO.: 2M 3 32 A12 MVOLT 1/3 GEB10IS
LUMENS PER LAMP: 2800

TEST NO: LTL18589

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

R.C.R.	pf pc pw	Coefficients of Utilization													
		20%			50%			80%							
		50%	30%	10%	50%	30%	10%	50%	30%	10%					
0	85	85	85	83	83	83	79	79	79	84	84	84	80	80	80
1	75	72	70	73	71	69	70	68	66	76	73	71	74	72	69
2	66	62	58	65	61	57	62	59	56	66	61	58	63	60	57
3	59	53	49	58	53	49	56	51	48	58	53	49	56	52	48
4	52	47	42	52	46	42	50	45	41	53	47	43	52	47	42
5	47	41	37	46	41	36	45	40	36	48	42	37	47	41	37
6	43	37	32	42	36	32	41	36	32	44	37	33	44	37	33
7	39	33	29	38	33	28	37	32	28	41	35	29	41	35	29
8	35	30	26	35	29	26	34	29	25	39	33	26	38	32	26
9	33	27	23	32	27	23	31	26	23	36	30	26	36	30	26
10	30	25	21	30	24	21	29	24	21	33	27	23	32	27	23

R.C.R.	pf pc pw	Coefficients of Utilization													
		20%			50%			80%							
		50%	30%	10%	50%	30%	10%	50%	30%	10%					
0	86	86	86	84	84	84	80	80	80	86	86	86	82	82	82
1	76	73	71	74	72	69	71	69	67	76	73	71	74	72	69
2	67	62	59	66	61	58	63	60	57	67	62	59	66	61	58
3	59	54	50	58	53	49	56	52	48	59	54	50	58	53	49
4	53	47	43	52	47	42	50	46	42	53	47	43	52	47	42
5	48	42	37	47	41	37	45	40	36	48	42	37	47	41	37
6	43	37	33	42	37	32	41	36	32	44	37	33	44	37	33
7	39	33	29	39	33	29	38	32	29	41	35	30	41	35	30
8	36	30	26	35	30	26	34	29	26	39	33	29	38	32	29
9	33	27	23	33	27	23	32	27	23	36	30	26	36	30	26
10	30	25	21	30	25	21	29	24	21	33	27	23	32	27	23

R.C.R.	pf pc pw	Coefficients of Utilization													
		20%			50%			80%							
		50%	30%	10%	50%	30%	10%	50%	30%	10%					
0	91	91	91	89	89	89	85	85	85	91	91	91	87	87	87
1	80	77	75	79	76	73	76	73	71	80	77	75	79	76	73
2	71	66	62	70	65	61	67	63	60	71	66	62	70	65	61
3	63	57	52	62	56	52	59	55	51	63	57	52	62	56	52
4	56	50	45	55	49	44	53	48	44	56	50	45	55	49	44
5	50	44	39	50	43	39	48	42	38	50	44	39	50	43	39
6	45	39	34	45	39	34	43	38	34	45	39	34	45	39	34
7	41	35	30	41	35	30	40	34	30	41	35	30	41	35	30
8	38	31	27	37	31	27	36	31	27	38	31	27	37	31	27
9	35	29	24	34	28	24	33	28	24	35	29	24	34	28	24
10	32	26	22	32	26	22	31	26	22	32	26	22	32	26	22

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	2500.6	22.3	31.3
0° - 40°	4091.7	36.5	51.2
0° - 60°	6800.5	60.7	85.1
0° - 90°	7990.9	71.3	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	7990.9	71.3	100.0

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	1889.2	22.5	31.1
0° - 40°	3104.3	37.0	51.1
0° - 60°	5162.6	61.5	85.0
0° - 90°	6072.0	72.3	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	6072.0	72.3	100.0

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	1311.6	23.4	30.6
0° - 40°	2161.7	38.6	50.4
0° - 60°	3637.0	64.9	84.8
0° - 90°	4290.8	76.6	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	4290.8	76.6	100.0



M-2X4