



## 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. Power-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.

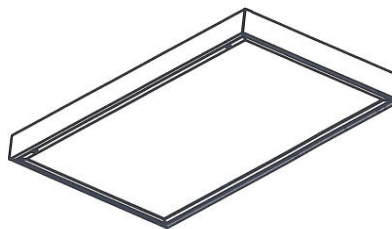
### WARRANTY

Guaranteed for one year against mechanical defects in manufacture.

Catalog Number	
Notes	Type

Modular Commercial

# M 2X4



2, 3 or 4 lamps

### Specifications

Length: 48 (1220)  
 Width: 24-1/4 (616)  
 Height: 3-1/2 (82)  
 Weight: 24 lbs. (10.9 kg.)



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

## ORDERING INFORMATION

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

Example: 2M 2 32 A12125 MVOLT GEB10IS

2M								
Series	Lamps	Lamp type	Diffuser	Voltage	Options			
<b>2M</b>	<b>2</b>	<b>32 32W T8 (48")</b>	<b>A12 #12 pattern acrylic</b>	<b>347 MVOLT</b>	<b>Shipped installed in fixture</b>			
	<b>3</b>	<b>28T5 28W T5 (46")</b>			<b>1/3 One 3-lamp electronic ballast</b>			
	<b>4</b>	<b>54T5HO 54W T5 high output (46")</b>	<b>A12125 #12 pattern acrylic, .125" thick</b>	Others available.	<b>1/4 One 4-lamp electronic ballast</b>	<b>GEB10IS Electronic ballast, ≤10% THD, instant start (T8 only)</b>		
	Not included.		<b>A19 #19 pattern acrylic, .156" thick</b>		<b>GEB10RS Electronic ballast, ≤10% THD, rapid start (T8 only)</b>	<b>GEB10PS Electronic ballast, ≤10% THD, program start (T5/T5HO only)</b>		
			<b>PC1S 1/2" x 1/2" x 1/2" plastic cube louver, silver</b>		<b>EL14 Emergency battery pack</b>	<b>GLR Internal fast-blow fuse</b>		
			<b>PC2S 1-1/2" x 1-1/2" x 1-1/2" plastic cube louver, silver w/ flange<sup>1</sup></b>		<b>GMF Internal slow-blow fuse</b>	<b>LP735 Lamped; 700-series; 3500K</b>		
			<b>PC3S 3/4" x 3/4" x 1/2" plastic cube louver, silver</b>		<b>LP741 Lamped; 700-series; 4100K</b>	<b>LP835 Lamped; 800-series; 3500K</b>		
					<b>LP841 Lamped; 800-series; 4100K</b>	<b>FTC Top of fixture fully enclosed</b>		
					<b>CRM Continuous row, middle (KO in both ends)</b>	<b>CRE Continuous row, end (KO in shroud end)</b>		
					<b>NOM NOM Certified</b>			

Frame type	
(blank)	<b>Flush steel, white</b>
<b>FN</b>	Flush aluminum, natural
<b>FM</b>	Flush aluminum, matte black
<b>FW</b>	<b>Flush aluminum, white</b>
<b>RN</b>	Regressed aluminum, natural
<b>RM</b>	Regressed aluminum, matte black
<b>RW</b>	<b>Regressed aluminum, white</b>

### Accessories:

Order as separate catalog number.

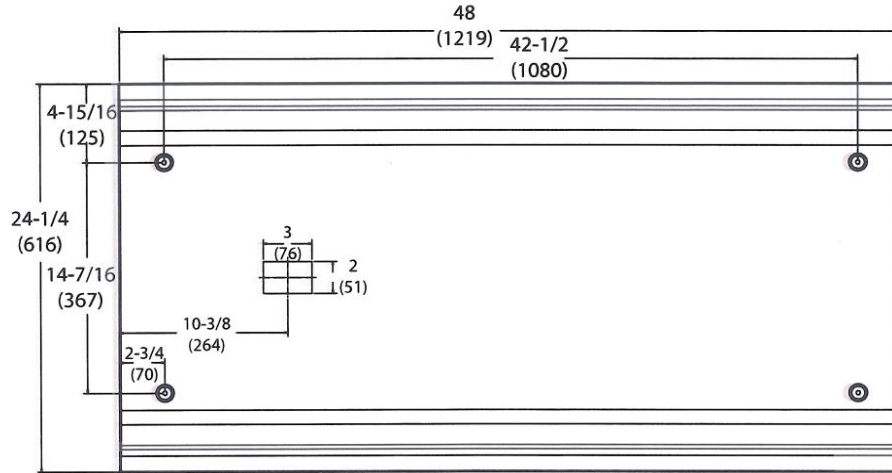
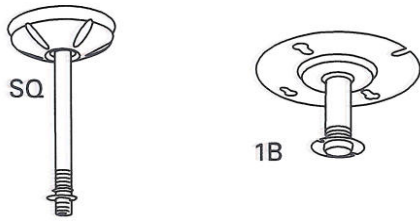
- SQ** Swivel stem hanger (specify length in 2" increments).
- 1B** Ceiling spacer (1-1/2" to 2-1/2" from ceiling).

# M 2x4 Modular Commercial

## MOUNTING DATA

For unit or row installation. Surface or stem mounting.

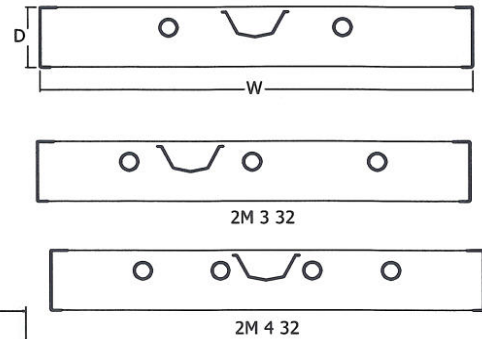
**UNIT/ROW INSTALLATION** — When stem-mounting, four stems are recommended per fixture.



## 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)

LER.FW	ANNUAL 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 10IS  
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

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

pc	Coefficients of Utilization								
	80%			70%			50%		
	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	86	86	86	84	84	84	80	80	80
1	76	73	71	74	72	69	71	69	67
2	67	62	59	66	61	58	63	60	57
3	59	54	50	58	53	49	56	52	48
4	53	47	43	52	47	42	50	46	42
5	48	42	37	47	41	37	45	40	36
6	43	37	33	42	37	32	41	36	32
7	39	33	29	39	33	29	38	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	24	21

pc	Coefficients of Utilization								
	80%			70%			50%		
	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	91	91	91	89	89	89	85	85	85
1	80	77	75	79	76	73	76	73	71
2	71	66	62	70	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	50	43	39	48	42	38
6	45	39	34	45	39	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 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



**Lithonia Lighting**  
Fluorescent  
One Lithonia Way, Conyers, GA 30012  
Phone: 800-858-7763  
www.lithonia.com



Project:	
Type:	
Catalog #:	

## Model EM-1 Two Headed Emergency Unit

### HOUSING

- Injection molded, engineering-grade, UV-stable thermoplastic
- UL94V-0 flame rating
- Impact, scratch, fade and corrosion-resistant
- Snap-fit housing and mounting plate
- Universal mounting plate with quick-connect feature reduces installation labor
- White or black textured finish

### ELECTRICAL

- Dual voltage 120/277VAC
- Rated for use in damp locations
- Solid state charging and switching
- Brownout protection
- Battery low voltage disconnect
- Overload and short circuit protection
- AC power indicator and test switch

### LAMPS

- Supplied with 6V, 5.4W tungsten wedge base lamps standard
- Other lamping options available

### BATTERY

- Maintenance-free 6V sealed lead calcium battery
- Standard battery will operate fixture for a minimum of 90 minutes in the event of a power outage
- RC version will operate a total of 22 Watts for a minimum of 90 minutes
- NiCad battery also available

## ORDERING INFORMATION

MODEL	OPTIONS
EM-1	BL - Black
	RC - Remote Capable
	SD - Self Diagnostics
	NI - NiCad Battery (Standard Unit Only)
	HTR - Heater
	USA - ARRA Compliant
	LH - Less Heads
	KR5 - 5.4W Krypton Lamps
	KR9 - 9W Krypton Lamps (RC Unit Only)
	9W - 9W Tungsten Lamps (RC Unit Only)

### MODEL      OPTIONS

### CODE COMPLIANCE

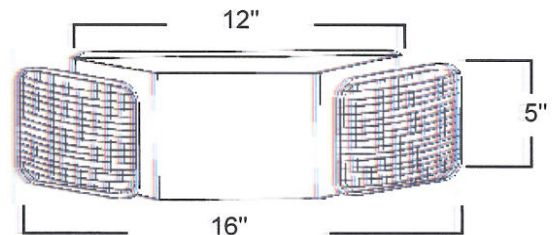
- UL924 listed
- Damp location rated
- NFPA 101 Life Safety Code compliant
- NEC and OSHA compliant
- **BUY AMERICA COMPLIANT**

### WARRANTY

- 5 year warranty



## DIMENSIONS



Specifications and dimensions subject to change without notice.



Project:	
Type:	
Catalog #:	

## Model XE LED Exit Sign

### HOUSING

- Injection molded, engineering-grade, UV-stable thermoplastic
- UL94V-0 flame rating
- Impact, scratch, fade and corrosion-resistant
- Snap-fit housing and mounting plate
- Universal mounting plate with quick-connect feature reduces installation labor
- Suitable for wall, ceiling or end surface mount
- White or black textured finish

### ELECTRICAL

- Dual voltage 120/277VAC
- Solid state charging and switching
- Brownout protection
- Battery low voltage disconnect (LVD)
- Overload and short circuit protection
- AC power indicator and test switch

### LAMPS

- High intensity LED panel

### BATTERY

- Maintenance-free rechargeable NiCad battery (EM model)
- Standard battery will operate fixture for a minimum of 90 minutes in the event of a power outage
- 24 hour recharge time

### CODE COMPLIANCE

- UL924 listed
- Damp Location Rated
- NFPA 101 Life Safety Code compliant
- NEC and OSHA compliant
- **BUY AMERICA COMPLIANT**



### WARRANTY

- 5 year warranty



### DIMENSIONS



### ORDERING INFORMATION

MODEL	FACE #	LETTER	FACE	OPTIONS
XE	2 - Universal Single/Double face	R - Red G - Green	W - White B - Black	EM - NiCad Battery SD - Self Diagnostics 2C - 2 Circuit Operation (only 1 hot at a time) USA - ARRA Compliant

MODEL	FACE#	LETTER	FACE	OPTIONS

Specifications and dimensions subject to change without notice.