



# LM4 SERIES

## Architectural Surface Module 1X4 LED Volume Luminaire

Fixture Type: \_\_\_\_\_

Job Information: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### SPECIFICATIONS:

#### LED MODULES:

- High performance linear configured LED module boards.
- Each board consists of multiple mid-power, high efficacy LEDs in a precise layout eliminating the need for supplemental heat sinking.
- The boards produce an even and diffuse light which maximizes optical efficiency.
- Compatible with the dimming performance of the LED driver.
- Color temperatures available: 3000K, 3500K and 4000K.
- Upon request: 5000K.

#### LED DRIVERS:

- Factory programmable constant current LED power supply.
- Multiple standard drive current outputs (factory set by Mercury) are cataloged with their corresponding lumen package offerings. Upon request, custom drive current outputs and lumen packages are available.
- Universal voltage input, 120V-277V, 50HZ-60HZ.
- Specification grade dimming down to 1% on 0-10V dimming controls.
- Optional pre-configured drive current drivers are available. Non-dimming.

#### LED LUMEN PACKAGES:

- Cataloged standard lumen packages. See attached chart for full details.
- Custom lumen packages pre-set are optional. Contact factory for details.

#### HOUSING:

- All metal parts are fabricated in a computer-controlled operation from heavy gauge code grade cold rolled steel.
- Rivets and/or spot welds hold all parts for strength.
- Unique hinging and latching system allows interior components and diffuser to hinge down or be removed for easy installations.
- A custom formulated non-glare white powder coating is applied to the housing after fabrication providing a reflectivity of at least 90%.

#### DIFFUSER:

- Small-scale rounded profile design.
- Extruded from custom formulated high transmission acrylic material.
- Linear ribbing for high LED performance.

#### STANDBY LIGHTING OPTION:

- Self contained module, 5W, 7W, 10W or 12W as specified. Battery backup upon loss of power.
- May not be available with some higher lumen packages. See Lumen package matrix.

#### INSTALLATIONS:

- Designed for surface mounting direct to most ceiling types.
- May be suspended on auxiliary hanging hardware.
- Sufficient knockouts are provided on the back of the housing for all electrical connections.
- Blind knockouts on the ends for surface conduit entry.

#### CERTIFICATE OF SAFETY COMPLIANCE AND LISTINGS:

- Luminaire: UL and CUL listed 1598 and bears their label. Suitable for dry locations or optional damp locations with UL Damp Label.

#### WARRANTY:

- 5-year limited warranty is standard. Special 10-year warranty available on a job-to-job basis. Complete LED warranty terms available at [www.mercltg.com](http://www.mercltg.com).
- Actual performance may differ as a result of end-user environment and application.
- Most LED luminaires are suitable to operate in ambient temperatures from -20C (-4F) to 25C (77F).
- The following exclusions apply: Luminaires with optional standby lighting option, integral lighting controls options, or wireless control options. Consult factory.
- LM-79 testing was measured under a controlled 25C (77F) ambient operating temperature.

### FEATURES:

- Surface module full size 1X4 ambient LED luminaire featuring a single linear high transmission acrylic diffuser.
- For use where recessing is not possible or desirable, or when high ceilings necessitates suspending down to reasonable heights.
- Small-scale rounded diffuser envelopes the LED light source allowing maximum light transmission while eliminating pixillations and hot spots.
- Delivers a balanced amount of horizontal and vertical illumination.
- Digital LED technology provides high efficacy and energy efficiency.
- Multiple power and light levels are offered as standard to allow meeting design and energy needs per application. Custom factory set levels available on request.
- Lumen maintenance; Reported L70 (hours) & L80 (hours) > 60,000.
- CRI greater than 80.
- Fixture lumens per watt ratios up to 112.
- American Made.
- Matching recessed luminaire: LR4 Series.



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Fixture Type: \_\_\_\_\_

Job Information: \_\_\_\_\_

**ORDERING DATA:** Fill in boxes below with corresponding bold options.

Example: LM4-14M-6400-35K-1%-UNI-EM7

SERIES	MODULE SIZE/CEILING	NOMINAL LUMENS	COLOR TEMP	DRIVER	VOLTAGE	STANDBY LIGHTING OPTIONS	OPTIONS
<b>LM4</b>	<b>14M</b> 1X4 Surface Module.	<b>3300</b> <b>3800</b> <b>4200</b> <b>4500</b> <b>5000</b> <b>6400</b>  <b>XXXX</b> Custom Lumen Package. Contact Factory.	<b>30K</b> <b>35K</b> <b>40K</b> <b>50K</b> Upon Request	<b>1%</b> 0-10V 1% Dimming _____ As Specified	<b>UNI</b>	<b>EM5</b> <b>EM7</b> <b>EM10</b> <b>EM12</b>	As Needed.

## LUMEN PACKAGE

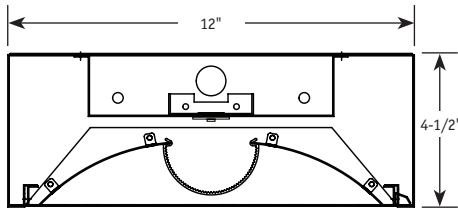
SERIES	MODULE SIZE	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	Standby Lighting Option
LM4	1X4						
		3300	3000K	30	3122	103	✓
		3300	3500K	30	3182	105	✓
		3300	4000K	30	3294	108	✓
		3300	5000K	30	3409	112	✓
		3800	3000K	37	3666	100	✓
		3800	3500K	37	3735	101	✓
		3800	4000K	37	3867	105	✓
		3800	5000K	37	4002	109	✓
		4200	3000K	41	4010	98	✓
		4200	3500K	41	4086	99	✓
		4200	4000K	41	4230	103	✓
		4200	5000K	41	4378	107	✓
		4500	3000K	45	4286	96	✓
		4500	3500K	45	4368	98	✓
		4500	4000K	45	4522	101	✓
		4500	5000K	45	4680	105	✓
		5000	3000K	51	4775	93	✓
		5000	3500K	51	4866	95	✓
		5000	4000K	51	5037	98	✓
		5000	5000K	51	5213	102	✓
		6400	3000K	65	6097	93	✓
		6400	3500K	65	6213	95	✓
		6400	4000K	65	6431	99	✓
		6400	5000K	65	6656	102	✓

Actual wattage may differ by +/- 5% when operating between 120V-277V +/- 10%.

## PHOTOMETRICS:

All photometric reports are available at [www.mercltg.com](http://www.mercltg.com).

## CROSS SECTIONS:



Detail

## HANGING ACCESSORIES

PART #	DESCRIPTION	PART #	DESCRIPTION
R5PF-100	Round 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.	VH-XX	"V" Hanger w/XX= 48"L or 72"L Chain & "S" Hook
R5-100	Round 5" canopy, Hanging hardware, 100" long 1/16" cable.	CPYS-1	S-1 Single Stem 5" Dia. Canopy
R2-100	Round 2" canopy, Hanging hardware, 100" long 1/16" cable.	STMXX	XX= 12"L, 24"L, 48"L Stem/ 3/8" IPS-5/8" OD
S5PF-100	Square 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.	Other cable lengths available.	
S5-100	Square 5" canopy, Hanging hardware, 100" long 1/16" cable.		
S2-100	Square 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.		

