

# LM5 SERIES

## Architectural Surface Module 2X4 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:

- Architecturally squared-shape 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 2X4 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.
- Architecturally-squared shape diffuser envelopes the LED light source allowing maximum light transmission while eliminating pixilation 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: LR5 Series.



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

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

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

Example: LM5-24M-6400-35K-1%-UNI-EM7

SERIES	MODULE SIZE/CEILING	NOMINAL LUMENS	COLOR TEMP	DRIVER	VOLTAGE	STANDBY LIGHTING OPTIONS	OPTIONS
LM5	24M 2X4 Surface Module.	3300 3800 4200 4500 5000 6400  XXXX Custom Lumen Package. Contact Factory.	30K 35K 40K 50K Upon Request	1% 0-10V 1% Dimming As Specified	UNI	EM5 EM7 EM10 EM12	As Needed.

## LUMEN PACKAGE

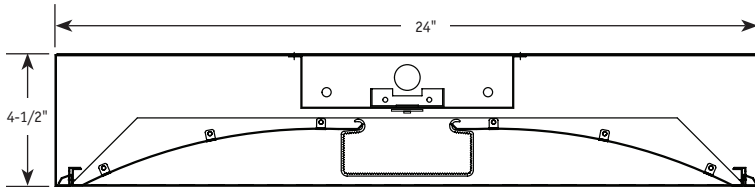
SERIES	MODULE SIZE	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	Standby Lighting Option
LM5	2X4						
		3300	3000K	30	3122	103	✓
		3300	3500K	30	3182	105	✓
		3300	4000K	30	3294	108	✓
		3300	5000K	30	3409	112	✓
		3800	3000K	37	3666	100	✓
		3800	3500K	37	3735	101	✓
		3800	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.		

