



LM31 SERIES

Surface Module 1X4 LED Lens 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.
- Mitered ends are welded into place for strength and unity.
- Heavy gauge flush steel frame has mitered-look corners. Hinges down or may be completely removed. Two positive action cam latches hold the frame closed.
- A custom formulated non-glare white powder coating is applied to the housing after fabrication.

DIFFUSERS:

- Extruded flat from 100% acrylic clear material.
- High performance prismatic pattern in standard thickness or optional .125" thickness.
- Other options upon request.

STANDBY LIGHTING OPTION:

- Self contained module, 5W, 7W, 10W or 12W as specified. Battery backup upon loss of power.

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 on request.

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.
- 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.
- For use where recessing is not possible or desirable, or when high ceilings necessitates suspending down to reasonable heights.
- Hinged door frame encases an acrylic prismatic clear diffuser.
- Diffuses the LED light source in a very wide and efficient distribution delivering 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 109.



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

Example: LM31-14M-3300-35K-9A-1%-UNI-EM7

SERIES	MODULE SIZE/CEILING	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	STANDBY LIGHTING OPTIONS
LM31	14M 1X4 Surface Module.	2100 3300 5100 XXXX Custom Lumen Package. Contact Factory.	30K 35K 40K 50K Upon Request	9A Acrylic Prismatic Clear 9A.125 Acrylic Prismatic Clear .125"	1% 0-10V 1% Dimming As Specified	UNI	EM5 EM7 EM10 EM12

LUMEN PACKAGE

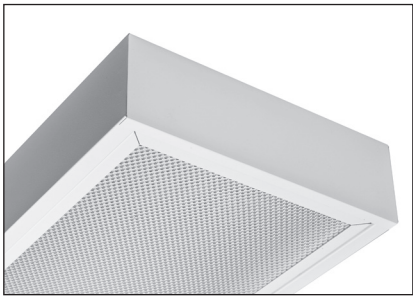
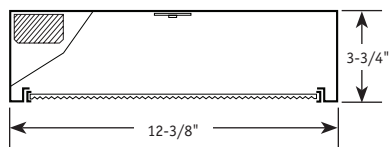
SERIES	MODULE SIZE	Nominal Lumen Package	Color	Fixture Power (W)	Diffuser	Delivered Lumens	Fixture LPW
LM31	1X4						
		2100	3000K	21	9A	2065	97
		2100	3500K	21	9A	2104	99
		2100	4000K	21	9A	2178	102
		2100	5000K	21	9A	2254	106
		3300	3000K	32	9A	3177	100
		3300	3500K	32	9A	3237	102
		3300	4000K	32	9A	3351	105
		3300	5000K	32	9A	3468	109
		5100	3000K	54	9A	4836	90
		5100	3500K	54	9A	4927	92
		5100	4000K	54	9A	5101	95
		5100	5000K	54	9A	5279	98

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

PHOTOMETRICS:

All photometric reports are available at www.mercltg.com.

CROSS SECTIONS:



Detail

