



# LM34 SERIES

## Surface Module 2X2 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.
- Optional custom formulated high transmission acrylic material.
- Other options upon request.

#### 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 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](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 2X2 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 106.



## LM34 SERIES

Fixture Type:

Job Information:

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

Example: LM34-22M-4200-35K-9A-1%-UNI-EM7

SERIES	MODULE SIZE/CEILING	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	STANDBY LIGHTING OPTIONS
LM34	22M 2X2 Surface Module.	2100 2600 4200 6200 7500 8400  XXXX Custom Lumen Package. Contact Factory.	30K 35K 40K 50K Upon Request	9A Acrylic Prismatic Clear 9A.125 Acrylic Prismatic Clear .125" HTA High Transmission Acrylic	1% 0-10V 1% Dimming As Specified	UNI	EM5 EM7 EM10 EM12  See Availability Matrix

### LUMEN PACKAGE

SERIES	MODULE SIZE	Nominal Lumen Package	Color	Fixture Power (W)	Diffuser	Delivered Lumens	Fixture LPW	Standby Lighting Option
LM34	2X2							
		2100	3000K	21	9A	2065	97	✓
		2100	3500K	21	9A	2104	99	✓
		2100	4000K	21	9A	2178	102	✓
		2100	5000K	21	9A	2254	106	✓
		2600	3000K	27	9A	2475	93	✓
		2600	3500K	27	9A	2522	95	✓
		2600	4000K	27	9A	2610	98	✓
		2600	5000K	27	9A	2702	102	✓
		4200	3000K	42	9A	4008	95	✓
		4200	3500K	42	9A	4084	97	✓
		4200	4000K	42	9A	4228	100	✓
		4200	5000K	42	9A	4376	104	✓
		6200	3000K	65	9A	5958	91	✓
		6200	3500K	65	9A	6071	93	✓
		6200	4000K	65	9A	6285	96	✓
		6200	5000K	65	9A	6505	100	✓
		7500	3000K	79	9A	7173	91	-
		7500	3500K	79	9A	7309	93	-
		7500	4000K	79	9A	7566	96	-
		7500	5000K	79	9A	7831	99	-
		8400	3000K	91	9A	8017	88	-
		8400	3500K	91	9A	8169	90	-
		8400	4000K	91	9A	8457	93	-
		8400	5000K	91	9A	8753	96	-

### PHOTOMETRICS:

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

### CROSS SECTIONS:

