



# 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.
- 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
<b>LM34</b>	<b>22M</b> 2X2 Surface Module.	<b>2100</b> <b>2600</b> <b>4200</b> <b>6200</b> <b>7500</b> <b>8400</b>  <b>XXXX</b> Custom Lumen Package. Contact Factory.	<b>30K</b> <b>35K</b> <b>40K</b> <b>50K</b> Upon Request	<b>9A</b> Acrylic Prismatic Clear <b>9A.125</b> Acrylic Prismatic Clear .125"	<b>1%</b> 0-10V 1% Dimming  As Specified	<b>UNI</b>	<b>EM5</b> <b>EM7</b> <b>EM10</b> <b>EM12</b>  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).

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

## CROSS SECTIONS:

