



# LI6 SERIES

## Mid to High Lumen Industrial Full Reflector LED Luminaire Open LED Design

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, 4000K and 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.
- Note: Certain cataloged lumen packages may be provided with a non-programmable constant current LED power supply at Mercury's discretion. Contact factory if critical.
- Universal voltage input, 120V-277V, 50HZ-60HZ.
- Specification grade dimming down to 1% on 0-10V dimming controls.

#### LED LUMEN PACKAGES:

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

#### HOUSING AND REFLECTOR:

- Fabricated from heavy gauge code grade cold rolled steel with a white polyester powder coating finish for long lasting durability.
- Housing ends and parts are held into place with a combination of rivets and screws.
- Precision formed multi-bend reflector attaches with screws.
- Sufficient electrical knockouts are provided on the housing back and ends.

#### OPEN LED DESIGN:

- Intended use with open LED modules maximizes lumen output.
- LED boards are securely screwed to reflector.
- Wire guards are available for LED protection.

#### STANDBY LIGHTING OPTION:

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

#### OPTIONAL OCCUPANCY SENSOR:

- Self-contained sensor (Leviton #0SFHU or equal) mounts directly to luminaire.
- Passive infrared (PIF) technology for individual luminaire control.
- Reliable coverage up to 40Ft. height.
- Interchangeable lenses for 360 degree or aisle way pattern.

#### INSTALLATIONS:

- May be surface mounted or suspended from the ceiling, individually or in continuous run applications.
- If suspended, intended to be supported on aircraft cable, chain or stems.
- Optional wired-in flex, cord and plugs sets, and twist-lock plug sets.

#### CERTIFICATE OF SAFETY COMPLIANCE AND LISTINGS:

- Luminaire: UL and CUL listed 1598 and bears their label. Suitable for damp locations.

#### 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:

- Industrial style linear ambient LED luminaire.
- Mid to high lumen packages.
- Full reflector design adds shielding to cut glare without reducing performance.
- Intended for the medium to higher ceilings found in warehouses, storage facilities, big box retailing and gymnasiums.
- For new installations or direct replacement for older HID or fluorescent luminaires.
- Nominal 4Ft. module offers lumen packages up to 9600 lumens.
- Nominal 8Ft. module offers lumen packages up to 19,200 lumens.
- 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.
- No maintenance required as LED luminaires require no re-lamping efforts. Extremely important with intended higher mounting heights.
- Lumen maintenance; Reported L70 (hours) & L80 (hours) > 60,000.
- CRI greater than 80.
- Fixture lumens per watt ratios up to 134.
- American Made.



## LI6 SERIES

Fixture Type:

Job Information:

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

Example: LI6-4-5200-35K-1%-UNI-EM7

| SERIES | NOMINAL LENGTH (FT)                | NOMINAL LUMENS   | COLOR TEMP                               | DRIVER                                 | VOLTAGE | OPTIONS  |
|--------|------------------------------------|--|--|--|---------|--|
| LI6    | 4<br>48" Length<br>8<br>96" Length | 48" L<br>4200<br>5200<br>5600<br>8400<br>9400<br>96" L<br>8400<br>10400<br>11200<br>16800<br>19000 | 30K<br>35K<br>40K<br>50K<br>Upon Request | 1%<br>0-10V 1% Dimming<br>As Specified | UNI     | Standby Modules<br>EM5<br>EM7<br>EM10<br>EM12<br>Lighting Controls<br>01<br>Leviton OSFHU or equal Occupancy Sensor, 360 Degree Lens Inst. Aisle Pattern Incl. |

### LUMEN PACKAGE

| SERIES | NOMINAL LENGTH (FT) | Nominal Lumen Package | Color | Fixture Power (W) | Delivered Lumens | Fixture LPW |
|--------|---------------------|-----------------------|-------|-------------------|------------------|-------------|
| LI6    | 4                   |                       |       |                   |                  |             |
|        |                     | 4200                  | 3500K | 39                | 4134             | 106         |
|        |                     | 4200                  | 4000K | 39                | 4240             | 109         |
|        |                     | 5200                  | 3500K | 51                | 5080             | 99          |
|        |                     | 5200                  | 4000K | 51                | 5210             | 102         |
|        |                     | 5600                  | 3500K | 57                | 5458             | 96          |
|        |                     | 5600                  | 4000K | 57                | 5597             | 99          |
|        |                     | 8400                  | 3500K | 78                | 8269             | 106         |
|        |                     | 8400                  | 4000K | 78                | 8481             | 109         |
|        |                     | 9400                  | 3500K | 71                | 9325             | 131         |
|        |                     | 9400                  | 4000K | 71                | 9515             | 134         |

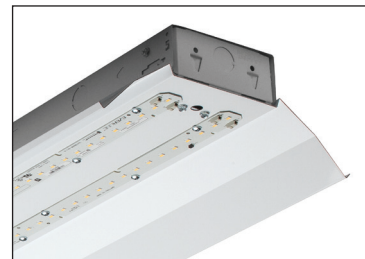
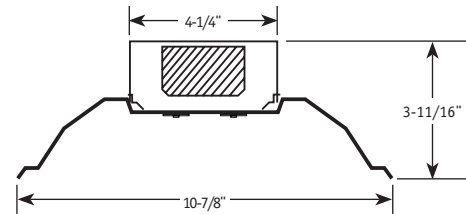
| SERIES | NOMINAL LENGTH (FT) | Nominal Lumen Package | Color | Fixture Power (W) | Delivered Lumens | Fixture LPW |
|--------|---------------------|-----------------------|-------|-------------------|------------------|-------------|
| LI6    | 8                   |                       |       |                   |                  |             |
|        |                     | 8400                  | 3500K | 78                | 8268             | 106         |
|        |                     | 8400                  | 4000K | 78                | 8480             | 109         |
|        |                     | 10400                 | 3500K | 103               | 10160            | 99          |
|        |                     | 10400                 | 4000K | 103               | 10420            | 102         |
|        |                     | 11200                 | 3500K | 114               | 10916            | 96          |
|        |                     | 11200                 | 4000K | 114               | 11194            | 99          |
|        |                     | 16800                 | 3500K | 156               | 16538            | 106         |
|        |                     | 16800                 | 4000K | 156               | 16962            | 109         |
|        |                     | 19000                 | 3500K | 142               | 18650            | 131         |
|        |                     | 19000                 | 4000K | 142               | 19030            | 134         |

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

### PHOTOMETRICS:

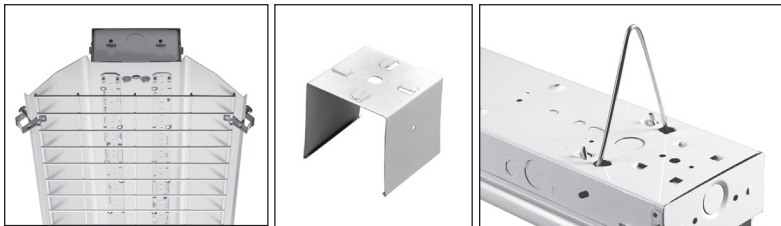
All photometric reports are available at [www.mercltq.com](http://www.mercltq.com).

### CROSS SECTIONS:



Detail

### ACCESSORIES:



Wire Guard

Clamp Hanger

V-Hanger

### 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. | CH                             | Clamp Hanger                                   |
| S5-100   | Square 5" canopy, Hanging hardware, 100" long 1/16" cable.            | Other cable lengths available. |  |
| S2-100   | Square 5" power feed canopy, Hanging hardware, 100" long 1/16" cable. |                                |  |
| ACXX     | Aircraft Cable/ XX= 48"L, 96"L, 150"L                                 |                                |  |
| CH-18    | Y-Shaped 18"L Cable/Paddle Hanger                                     |                                |  |

### ACCESSORIES

| PART #   | DESCRIPTION                          |
|----------|--------------------------------------|
| WG-LI6   | 11GA. Wire Guard 48"L, Chrome Finish |
| WG-LI6-W | 11GA. Wire Guard 48"L, White Finish  |

