



# 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 #OSFHU 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
<b>LI6</b>	<b>4</b> 48" Length <b>8</b> 96" Length	<b>48" L</b> 4200 5200 5600 8400 9400 <b>96" L</b> 8400 10400 11200 16800 19000	30K 35K 40K 50K Upon Request	1% 0-10V 1% Dimming As Specified	<b>UNI</b>	<b>Standby Modules</b> EM5 EM7 EM10 EM12  <b>Lighting Controls</b> O1 Levitan OSFHU or equal Occupancy Sensor, 360 Degree Lens Inst. Aisle Pattern Incl.

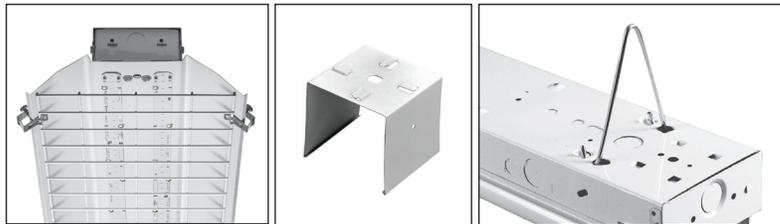
## LUMEN PACKAGE

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
	8	5200	3500K	51	5080	99
		5200	4000K	51	5210	102
	12	5600	3500K	57	5458	96
		5600	4000K	57	5597	99
	16	8400	3500K	78	8269	106
		8400	4000K	78	8481	109
	20	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
	12	10400	3500K	103	10160	99
		10400	4000K	103	10420	102
	16	11200	3500K	114	10916	96
		11200	4000K	114	11194	99
	20	16800	3500K	156	16538	106
		16800	4000K	156	16962	109
	24	19000	3500K	142	18650	131
		19000	4000K	142	19030	134

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

## ACCESSORIES:



Wire Guard

Clamp Hanger

V-Hanger

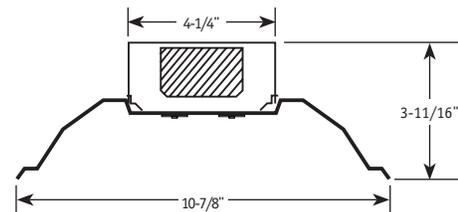
## HANGING ACCESSORIES

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.	<b>ACCESSORIES</b>	
ACXX	Aircraft Cable/ XX= 48"L, 96"L, 150"L	PART #	DESCRIPTION
CH-18	Y-Shaped 18"L Cable/Paddle Hanger	WG-LI6	11GA. Wire Guard 48"L, Chrome Finish
		WG-LI6-W	11GA. Wire Guard 48"L, White Finish

## PHOTOMETRICS:

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

## CROSS SECTIONS:



Detail

