



# L501 SERIES

## Enclosed and Gasketed Wet Location LED 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: 3500K, 4000K and 5000K.
- Upon request: 3000K.

#### 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:

- Compression molded in one-piece of non-conductive, non-corrosive, and self-extinguishing 5V-A fiberglass.
- A poured continuous gasketing permanently bonds and fills perimeter channel where upon latching, the diffuser and housing form a liquid tight seal.
- Permanently finished in a pearl white color that never needs painting or refinishing.
- LED module boards are fastened to a heavy gauge aluminum wiring tray which is tethered to the housing.

#### DIFFUSERS:

- Injection molded from heavy-duty high transmission frosted acrylic material.
- Optional unbreakable frosted polycarbonate upon demand. Not available on 8Ft. modules.
- Rounded linear ribbing for high LED

performance.

#### LATCHING:

- Unbreakable polycarbonate with self-locking feature to stay closed without hardware.
- Stainless steel latches optional.
- Tamperproof screws optional.

#### STANDBY LIGHTING OPTION:

- Self-contained module, 7W, 10W or 12W as specified.
- Battery backup upon loss of power.
- **Availability: 4Ft. module, maximum 5100 lumen output. 8Ft. module, maximum 9000 lumen output. See warranty below.**

#### INSTALLATIONS:

- Mount individually or in continuous runs.
- May be surface mounted or suspended.
- A 7/8" hole in each end for surface conduit entry and continuous feeds. Liquid tight plugs supplied. Weatherproof hubs supplied by others.
- Optional stainless steel "slide grip" style hanger brackets allow easy mounting without drilling housing. Two top-side embossments contain drill points for job site mounting options. Proper sealing will maintain wet location status.
- Cold storage application require polycarbonate lenses and stainless steel latches.

#### CERTIFICATE OF SAFETY COMPLIANCE

- Luminaire: UL and CUL listed 1598 and bears a UL wet location label.
- NSF International Certified.
- IP65 & IP66 Certified.
- NEMA 4X Certified.

#### 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.
- Luminaires are suitable to operate in ambient temperatures from -20C (-4F) to 25C (77F).
- **Luminaires with an optional standby module installed are suitable to operate in ambient temperatures from 0C (32F) to 25C (77F).**
- The following exclusions apply: Luminaires with integral lighting controls options, or wireless control options. Consult factory.
- LM-79 testing was measured under a controlled 25C (77F) ambient operating temperature.

### FEATURES:

- Enclosed and gasketed linear ambient LED luminaire.
- UL listed for wet locations.
- Weather and chemical resistant, corrosion free, and impervious to vapors, dust, and moisture.
- Food handling and processing facilities, refrigerated storage, drug and chemical plants. Use in shower areas, parking garages, pedestrian and roadway tunnels, and outdoor public areas.
- Injection molded high transmission frosted acrylic diffuser.
- Upon request, optional unbreakable frosted polycarbonate diffuser.
- Internal rounded linear ribbing allows maximum light transmission while eliminating pixilation and hot spots. Smooth outside surface resists dirt and bacterial growth and allows for easy cleaning.
- Nominal 2Ft., 4Ft., or 8Ft. long modules.
- 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 156.
- American Made.



# L501 SERIES

Example: L501-4-5100-35K-HTA-1%-UNI-HB

Series	Nominal Length (FT)	Nominal Lumens	Color Temp	Diffuser	Driver	Voltage	Options
<b>L501</b>	<b>2</b> 27-5/8" Length	<b>2500</b>	<b>35K</b>	<b>HTA</b> High Transmission Frosted Acrylic	<b>1%</b> 0-10V, 1% Dimming As Specified	<b>UNI</b>	<b>TP</b> Tamperproof Latches <b>SSL</b> Stainless Steel Latches <b>HB</b> Stainless Steel Hanger Bracket Set of 2.
	<b>4</b> 51-5/8" Length	<b>3000</b>	<b>40K</b>	<b>PF</b> Polycarbonate Frosted Upon Request. Not Available 8Ft Module.			
	<b>8</b> 100-3/16" Length	<b>4200</b>	<b>50K</b>				
		<b>5100</b>	<b>30K</b> Upon Request				
		<b>7500</b>					
		<b>9300</b>					
		<b>15,000</b>					
		<b>18,600</b>					
		<b>XXXXX</b> Custom Lumen Package. Contact Factory.					
				<b>STANDBY MODULES</b> <b>EM7</b> <b>EM10</b> <b>EM12</b>			

## LUMEN PACKAGE

Series	Nominal Length (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Diffuser	Delivered Lumens	Fixture LPW	Standby Modules
L501	2	2500	3000K	18.5	HTA	2431	131	-
		2500	3500K	18.5	HTA	2500	135	-
		2500	4000K	18.5	HTA	2581	140	-
		2500	5000K	18.5	HTA	2587	140	-
	4	3000	3000K	22.3	HTA	2874	129	-
		3000	3500K	22.3	HTA	2958	133	-
		3000	4000K	22.3	HTA	3054	137	-
		3000	5000K	22.3	HTA	3063	137	-
		3000	3000K	29.1	HTA	3695	136	✓
		3000	3500K	29.1	HTA	4075	140	✓

Series	Nominal Length (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Diffuser	Delivered Lumens	Fixture LPW	Standby Modules
L501	4	4200	4000K	29.1	HTA	4207	145	✓
		4200	5000K	29.1	HTA	4211	145	✓
		5100	3000K	36.1	HTA	4808	133	✓
		5100	3500K	36.1	HTA	4946	137	✓
	8	5100	4000K	36.1	HTA	5105	141	✓
		5100	5000K	36.1	HTA	5116	142	✓
		7500	3000K	51.8	HTA	7083	137	-
		7500	3500K	51.8	HTA	7277	140	-
		7500	4000K	51.8	HTA	7511	145	-
		7500	5000K	51.8	HTA	7515	145	-

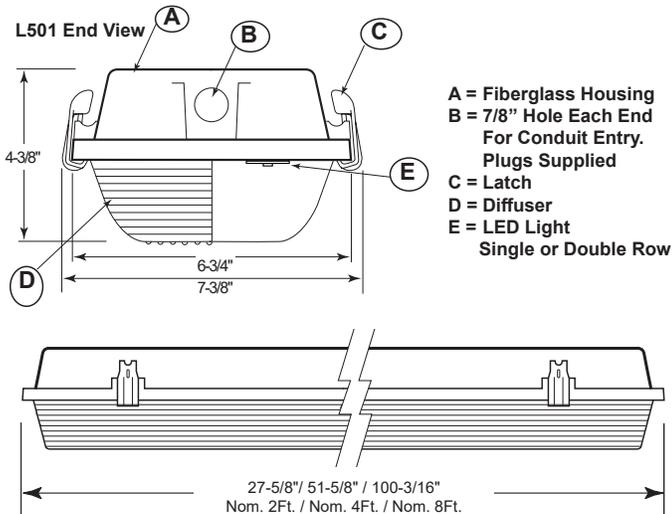
Series	Nominal Length (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Diffuser	Delivered Lumens	Fixture LPW	Standby Modules
L501	8	9000	3000K	58.1	HTA	8557	147	✓
		9000	3500K	58.1	HTA	8777	151	✓
		9000	4000K	58.1	HTA	9058	156	✓
		9000	5000K	58.1	HTA	9058	156	✓
	15,000	15,000	3000K	103.6	HTA	14,166	137	-
		15,000	3500K	103.6	HTA	14,554	140	-
		15,000	4000K	103.6	HTA	15,022	145	-
		15,000	5000K	103.6	HTA	15,030	145	-
		18,600	3000K	128	HTA	17,624	138	-
		18,600	3500K	128	HTA	18,120	142	-

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).

## DIMENSIONAL DATA/CROSS SECTION:



End Detail



HB-Stainless Steel Hanger Bracket

