



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.

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.

CERTIFICATE OF SAFETY COMPLIANCE:

- Luminaire: UL and CUL listed 1598 and bears a UL wet location label.
- IP67 tested per IEC 60529, edition 2.1 and passed.
- Certified by NSF International.
- DesignLights Consortium (DLC) qualified product. Not all versions of this product may be DLC qualified. Check at www.designlights.org/QPL to confirm.

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.
- 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 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:

- 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 123.
- American Made.



L501 SERIES

Fixture Type:

Job Information:

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

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

SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	OPTIONS
L501	2 27-5/8" Length	27-5/8" 2500 3500 3800	35K 40K 50K 30K Upon Request	HTA High Transmission Frosted Acrylic PF Polycarbonate Frosted Upon Request. Not Available 8Ft Module.	1% 0-10V 1% Dimming As Specified	UNI	TP Tamperproof Latches SSL Stainless Steel Latches HB Stainless Steel Hanger Bracket Set of 2. STANDBY MODULES EM7 EM10 EM12
	4 51-5/8" Length	51-5/8" 4200 5100 7100					
	8 100-3/16" Length	100-3/16" 9000 14300					
		XXXXX Custom Lumen Package. Contact Factory.					

LUMEN PACKAGE

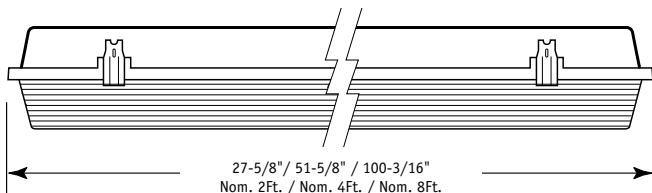
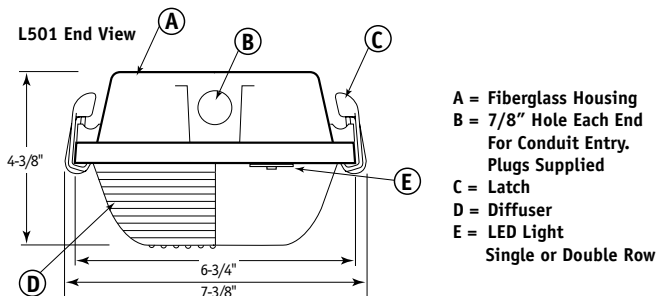
SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Diffuser	Delivered Lumens	Fixture LPW	DLC Listed*	Standby Modules
L501	2								
		2500	3000K	22	HTA	2416	108	-	-
		2500	3500K	22	HTA	2454	110	-	-
		2500	4000K	22	HTA	2530	113	-	-
		2500	5000K	22	HTA	2606	116	-	-
		3500	3000K	32	HTA	3399	105	-	-
		3500	3500K	32	HTA	3452	107	-	-
		3500	4000K	32	HTA	3559	110	-	-
		3500	5000K	32	HTA	3666	114	-	-
		3800	3000K	32	HTA	3615	113	-	-
		3800	3500K	32	HTA	3654	114	-	-
		3800	4000K	32	HTA	3808	119	-	-
		3800	5000K	32	HTA	3846	120	-	-

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Diffuser	Delivered Lumens	Fixture LPW	DLC Listed*	Standby Modules
L501	4								
		4200	3000K	36	HTA	4047	113	-	✓
		4200	3500K	36	HTA	4110	114	-	✓
		4200	4000K	36	HTA	4237	118	✓	✓
		4200	5000K	36	HTA	4365	121	✓	✓
		5100	3000K	43	HTA	4926	114	-	✓
		5100	3500K	43	HTA	5004	116	-	✓
		5100	4000K	43	HTA	5158	119	-	✓
		5100	5000K	43	HTA	5313	123	✓	✓
		7100	3000K	60	HTA	6822	114	-	-
		7100	3500K	60	HTA	6894	115	-	-
		7100	4000K	60	HTA	7185	120	-	-
		7100	5000K	60	HTA	7257	121	-	-

PHOTOMETRICS:

All photometric reports are available at www.mercltg.com.

DIMENSIONAL DATA/CROSS SECTION:



SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Diffuser	Delivered Lumens	Fixture LPW	DLC Listed*	Standby Modules
L501	8								
		9000	3000K	78	HTA	8638	111	✓	✓
		9000	3500K	78	HTA	8773	113	✓	✓
		9000	4000K	78	HTA	9045	116	✓	✓
		9000	5000K	78	HTA	9316	120	✓	✓
		14,300	3000K	120	HTA	13,644	114	-	-
		14,300	3500K	120	HTA	13,789	115	-	-
		14,300	4000K	120	HTA	14,369	120	-	-
		14,300	5000K	120	HTA	14,514	121	-	-

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

* DLC Listing applies to HTA diffuser.



End Detail



HB-Stainless Steel Hanger Bracket

