



# L701 SERIES

## Enclosed and Gasketed Wet Location LED

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:

- Compression molded from non-conductive, non-corrosive, and self-extinguishing fiberglass reinforced polyester compound.
- UL 5V flame rating (ASTM D635-74). F1 weatherability rating.
- 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:

- Inline thermoformed low-profile diffuser from 50% DR acrylic material for added strength and resistance to breakage.
- Acrylic smooth white finish.

#### LATCHING:

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

#### INSTALLATIONS:

- Optional stainless steel slide-grip type mounting brackets can mount at any point along housing. Allows for surface or threaded rod suspension.
- Two ¼-28 brass studs are molded into the housing back for attachment of two optional mounting brackets.
- Optional surface mount modular bracket or hanging loop.
- A 7/8" hole in each end for surface conduit entry and continuous feeds. Liquid tight plugs supplied.
- Weatherproof die-cast hubs are optional.

#### CERTIFICATE OF SAFETY COMPLIANCE AND LISTINGS:

- Luminaire: UL and CUL listed 1598 and bears a UL wet location label.
- IP65 rated.
- Certified by NSF International.

#### 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).
- LM-79 testing was measured under a controlled 25C (77F) ambient operating temperature.

### FEATURES:

- Enclosed and gasketed linear ambient LED luminaire.
- Weather and chemical resistant, corrosion free, and impervious to vapors, dust, and moisture.
- UL listed for wet locations.
- Food handling and processing facilities, refrigerated storage, drug and chemical plants. Use in shower areas, outdoor fuel canopy applications, parking garages, pedestrian and roadway tunnels, and outdoor public areas.
- Inline thermoformed acrylic smooth white diffuser.
- Smooth outside surface resists dirt and bacterial growth and allows for easy cleaning.
- Nominal 2Ft. or 4Ft. 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 142.
- American Made.



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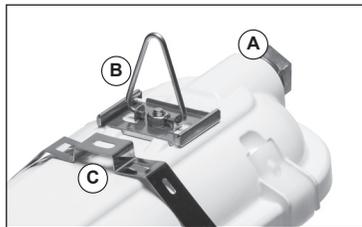
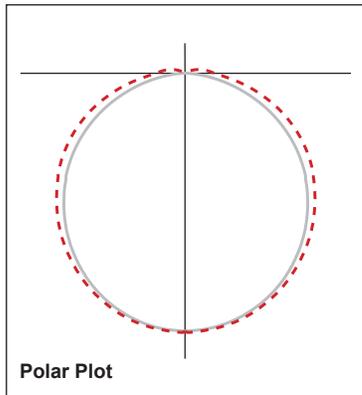
Example: L701-4-4800-35K-ASW-1%-UNI

Series	Nominal Length (Ft)	Nominal Lumens	Color Temp	Diffuser	Driver	Voltage	Options
L701	2 25.64" Length 4 47.14" Length	STANDARD-DIMMABLE 25.64" L 2300 2600 3400 47.14" L 3400 4800 6500 7100	30K 35K 40K 50K	ASW Acrylic Smooth White	1% 0-10V 1% Dimming As Specified	UNI	TP Tamperproof Latches SSL Stainless Steel Latches HB Stainless Steel Slide Grip Hanger Bracket. Set of 2. HL Stainless Steel Fixed Hanging Loop. Set of 2. SMB Stainless Steel Fixed Surface Mount Bracket. Set of 2. DCH Die Cast Aluminum 7/8" Hub for Rigid 1/2" Conduit.

## LUMEN PACKAGES

### STANDARD-DIMMABLE

Series	Nominal Length (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Diffuser	Delivered Lumens	Fixture LPW	
L701	2	2300	3000K	18.1	ASW	2205	122	
		2300	3500K	18.1	ASW	2268	125	
		2300	4000K	18.1	ASW	2341	129	
		2300	5000K	18.1	ASW	2346	130	
	4	2600	3000K	20.9	ASW	2502	120	
		2600	3500K	20.9	ASW	2575	123	
		2600	4000K	20.9	ASW	2657	127	
		2600	5000K	20.9	ASW	2665	128	
		3400	3000K	27.8	ASW	3322	119	
		3400	3500K	27.8	ASW	3319	119	
		3400	4000K	27.8	ASW	3426	123	
		3400	5000K	27.8	ASW	3442	124	
L701	4	3400	3000K	25.6	ASW	3242	127	
		3400	3500K	25.6	ASW	3331	130	
		3400	4000K	25.6	ASW	3416	133	
		3400	5000K	25.6	ASW	3440	134	
	6	4800	3000K	38.0	ASW	4559	120	
		4800	3500K	38.0	ASW	4690	123	
		4800	4000K	38.0	ASW	4841	127	
		4800	5000K	38.0	ASW	4853	128	
		8	6500	3000K	47.0	ASW	6073	129
			6500	3500K	47.0	ASW	6415	136
			6500	4000K	47.0	ASW	6507	138
			6500	5000K	47.0	ASW	6662	142
10	7100	3000K	51.5	ASW	6831	133		
	7100	3500K	51.5	ASW	6996	136		
	7100	4000K	51.5	ASW	7095	138		
	7100	5000K	51.5	ASW	7265	141		

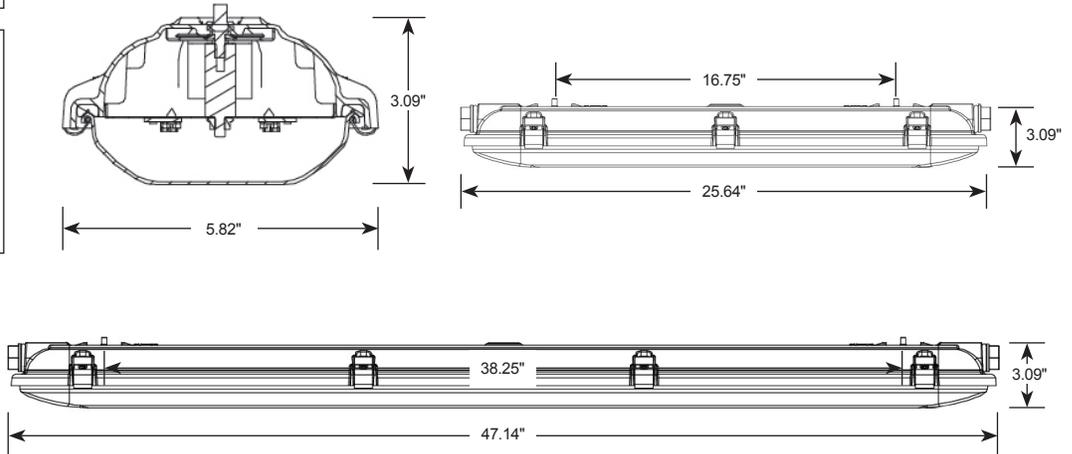


A = DCH Die Cast Alum Hub  
B = HL Fixed Hanging Loop  
C = HB Slide Grip Hanger Bracket

### PHOTOMETRICS:

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

### DIMENSIONAL DATA:



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

