

# L701-GL SERIES

## LED Garage Light/Wet Location

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 diffuser from 50% DR acrylic or unbreakable polycarbonate material.
- Diffuser incorporates multiple linear and cross prism patterns to specifically produce the desired wide distribution. Frosted ends inhibit glare to drivers.
- Smooth outside surface resists dirt and bacterial growth and allows for easy cleaning.

#### LATCHING:

- Unbreakable polycarbonate with self-lockings 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).
- 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:

- Special application linear LED luminaire.
- Answers the lighting challenges that most parking facilities present.
- Wide distribution on usually low ceiling heights.
- Comfortable illumination for a safe and secure environment.
- Glare-free performance for safe driving and navigating.
- High performance ratios (lumens-per-watt) as facilities are usually 24/7 operations.
- Weather and chemical resistant, corrosion free, and impervious to vapors, dust, and moisture. UL listed for wet locations.
- Injection molded lens in high-impact acrylic or unbreakable polycarbonate.
- 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 107.
- American Made.



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Example: L701-GL-4-4800-35K-AIM-1%-UXX-UNI

## L701-GL

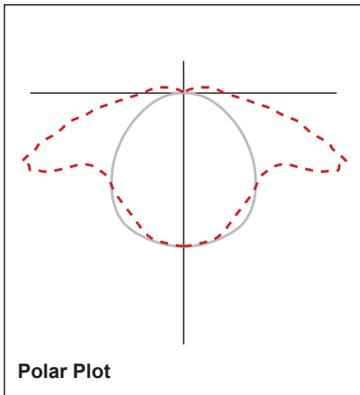
Series	Nominal Length(Ft)	Nominal Lumens	Color Temp	Diffuser	Driver	Voltage	Options
L701-GL	2 25.64" Length	25.64"L 2400	30K	AIM Injection Molding Clear Acrylic	1% 0-10V 1% Dimming	UNI	<b>TP</b> Tamperproof Latches  <b>SSL</b> Stainless Steel Latches  <b>HB</b> Stainless Steel Slide Grip Hanger Bracket. Set of 2.  <b>HL</b> Stainless Steel Slide Fixed Hanging Loop. Set of 2.  <b>SMB</b> Stainless Steel Fixed Surface Mount Bracket. Set of 2.  <b>DCH</b> Die Cast Aluminum 7/8" Hub for Rigid 1/2" Conduit.
	4 47.14" Length	47.14"L 3400 4200 4800 7200	35K 40K 50K Upon Request	PIM Injection Molding Clear Polycarbonate	As Specified		
							<b>XXXX</b> Custom Lumen Package. Contact Factory.

## LUMEN PACKAGE

Series	Nominal Length (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Diffuser	Delivered Lumens	Fixture LPW
L701-GL	2						
		2400	3000K	24	PIM	2317	97
		2400	3500K	24	PIM	2356	98
		2400	4000K	24	PIM	2434	101
		2400	5000K	24	PIM	2506	104

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Diffuser	Delivered Lumens	Fixture LPW
L701-GL	4						
		3400	3000K	33	PIM	3281	99
		3400	3500K	33	PIM	3336	101
		3400	4000K	33	PIM	3446	104
		3400	5000K	33	PIM	3549	107
		4200	3000K	42	PIM	4055	97
		4200	3500K	42	PIM	4123	98
		4200	4000K	42	PIM	4260	101
		4200	5000K	42	PIM	4387	104
		4800	3000K	48	PIM	4634	97
		4800	3500K	48	PIM	4711	98
		4800	4000K	48	PIM	4867	101
		4800	5000K	48	PIM	5014	104
		7200	3000K	75	PIM	6883	92
		7200	3500K	75	PIM	6998	93
		7200	4000K	75	PIM	7230	96
		7200	5000K	75	PIM	7442	99

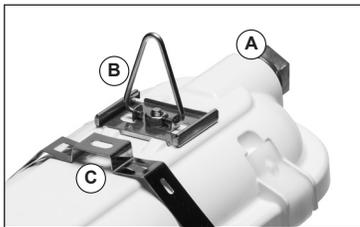
Actual wattage may differ by +/- 5% when operating between 120V-277V +/- 10%.



## PHOTOMETRICS:

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

## DIMENSIONAL DATA:



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

