

# 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 1/4-28 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, IP66 and 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](http://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](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.



## L701-GL SERIES

Fixture Type:

Job Information:

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

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

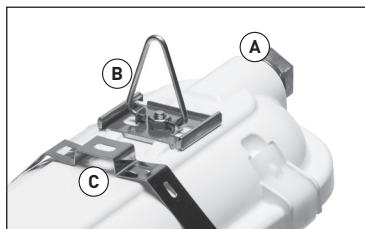
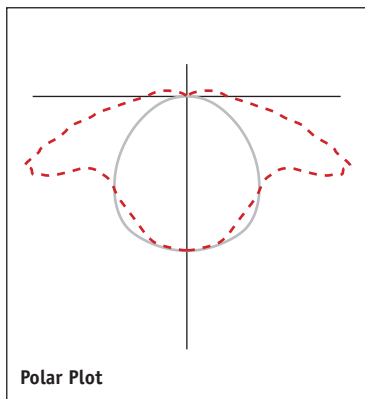
SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	OPTIONS
L701-GL	2 25.64" Length	<b>25.64"L</b> 2400	30K 35K 40K 50K Upon Request	AIM Injection Molded Clear Acrylic  PIM Injection Molded Clear Polycarbonate	1% 0-10V 1% Dimming As Specified	UNI	TP Tamperproof Latches  SSL Stainless 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.
	4 47.14" Length	<b>47.14"L</b> 3400 4200 4800 8000  XXXX Custom Lumen Package. Contact Factory.					

### LUMEN PACKAGE

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Diffuser	Delivered Lumens	Fixture LPW	DLC
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	DLC
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	✓
		8000	3000K	84	PIM	7704	91	-
		8000	3500K	84	PIM	7833	93	✓
		8000	4000K	84	PIM	8092	96	✓
		8000	5000K	84	PIM	8335	99	✓

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



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:

