

# GL-50 LED Parking Garage Light

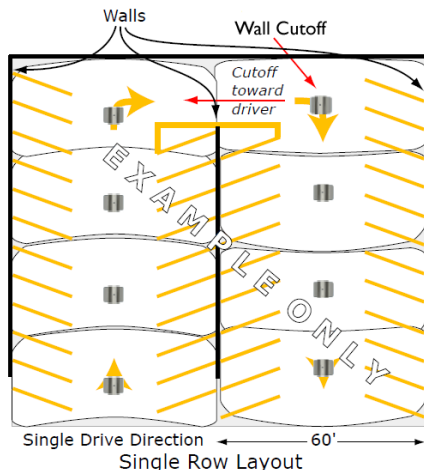
## Deploy one GL-50 instead of two traditional fixtures for substantial energy and maintenance saving

**GL-50, High Efficiency Solid State Luminaire, Saving 43% to 71% over traditional Metal Halide or High Pressure Sodium Fixtures.**



**Design Light Consortium Listed**

**The GL-50 provides effective lighting using one optically efficient fixture down the drive aisle instead of two traditional luminaires.**



### Compatibility Chart / Energy Savings

Traditional Source	GL-50	Energy Savings
HPS 150 watts	86 watts	43%
MH 150 watts	86 watts	43%
2X 150 Watt Fixtures	86 watts	71%

**Full LM79, LM80 reports and IES files are available to aide engineering at [www.IntenCityLighting.com](http://www.IntenCityLighting.com)**

The GL-50 is a highly engineered and efficient LED garage luminaire. It is designed to replace two traditional metal halide or high pressure sodium fixtures with one LED fixture.

Typically installed down the center of a drive aisle, the GL-50 provides light levels that often exceed IES standards. For the garage operator, it provides significant energy reductions, often saving 71% over traditional fixtures. The patented GL-50 optical design enables many fewer fixtures to be used to light the parking garage. Thus, saving capital expense and installation costs.

### Specifically Engineered for Rugged Duty and Efficiency

The IntenCity GL-50 contains a high efficiency light engine, and driver electronics to maximize power utilization. Thermal management prolongs the life of the lighting fixture. It is constructed of high quality materials for low maintenance, and vandal resistance. The GL-50 is designed for a long service life.

The fixtures have a high degree of flexibility in configuration. It has two independent wings which are optionally configured to meet design requirements.

### GL-50 LED Luminaire Benefits:

- *Energy Savings* - Over 70% savings in electrical costs are possible
- *One Fixture vs. Two Fixtures* - IntenCity garage lights are designed for deployment down the center row of a garage, using one fixture instead of two HPS, MH, or Fluorescent Fixtures, enabling lower fixture counts and large savings
- *Improved Light Quality* - providing the required illumination with uniformity
- *Lower Maintenance* - significantly longer lives with less fixture / better lumen maintenance
- *Dimmable Controls, Step or Continuous* - Instant-on without run-up or re-strike delays, ability to dim and energy manage
- *Reliability* - Thermally managed, highly engineered in both heat management and electronic designs to prevent premature lumen depreciation or failure

### Features:

- LEDs with proprietary and patented optics and controls to improve light quality and distribution
- No Hot-Spot beneath luminaire with controlled optics that doesn't waste light
- Controlled up-light sending a portion of light to the ceiling to reduce undesirable cave effect
- Sealed light engine has no air intake and no internal cleaning needed
- High PF, low THD current regulated power supply encapsulated for weather resistance and integrated transient protection
- Patented thermal management and temperature protection to maximum LED life

### Maximum Design Flexibility for Garage Lighting Designs and Energy Optimization

To aid the engineering of effective garage lighting, the GL-50 is available in a number of configurations:

- *Wall Cutoffs*: Optically optimized to project more light onto wall surfaces
- *Driver Approach Controls*: Designed to prevent glare in the driver approach direction. Options available for one-way to two-way lane layouts.

For details on these options, please consult with our engineering staff, or see the garage application guide for more details.

U.S. and International Patents Issued and Pending. US 7,419,128 B1, US 7,569,802 B1, US 7,578,605 B1, US 7,806,563 B1

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# GL-50 Parking Garage Light Specifications

## Solid-State Outdoor LED Luminaire



The GL-50 provides effective lighting in parking garage applications, reducing fixture counts and saving energy.



Made in USA

### General Specifications

<b>General</b>	Light-weight fixture, sharp optical cutoff with limited light trespass, non-glare light engine.
<b>Light Output</b>	4,600 to 7,000 Lumens
<b>Durability, Dust, and Moisture</b>	Intrusion Protection Rating – IP66 on light engine, photo controls, and power supply. Thermal Fold-Back driver to protect LED's in extreme temperature applications. Patented thermal design.
<b>Color</b>	5,000K Typical, other options available
<b>Step Dimming (optional)</b>	Occupancy sensor on unit, step dimming to 43 watts, time delay set at Factory, 15 minutes typical
<b>L70 Lifetime</b>	10+ Year Design Life, over 70% of original lumen output after 70,000 hours at 30° C ambient temperature

### Environmental Specifications

<b>Operating Temperature</b>	-40° C to 55° C
<b>Storage Temperature</b>	-40° C to 85° C
<b>Humidity</b>	0% to 99%

### Power and Compliance Standards

<b>Input Power</b>	PF > 0.95, Current THD < 10%
<b>Wattage</b>	86 watts
<b>Operating Voltage</b>	100 to 277VAC, 50 to 60 hertz, 15 to 36VDC low voltage applications available (e.g. Solar).

<b>Connections</b>	3 wire: line, neutral and ground
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<b>Codes and Standards</b>	NEC, NEMA, FCC Part 15 Class B, UL 1598 and 1870
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### Physical Specifications

<b>Finish and Construction</b>	Clear Anodized Aluminum, and Stainless Steel. Heavy gauge aluminum extrusion, clear anodized finish, stainless steel fasteners, Injected molded, gasket sealed polycarbonate lens with UV inhibitor. Lower compartment opens for electrical connections and installation.
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<b>Dimensions</b>	4 3/8" H x 12 1/2" W x 11" L
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<b>Weight</b>	16 Pounds
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### Ordering Information:

Family	Watts	Voltage	Color Temp.	Optics	Controls	Color	Mount
GL50	86 Watts Other Wattages Available	100 – 277 volts Low Voltage 15 O 26 VDC Custom: Contact Factory	4,100K 5,000K 6,500K	- Normal - Driver Access Control - Wall Cutoff	Optional Step Dimming Controls	Silver Custom: Contact Factory	Box Surface Pendant Custom: Contact Factory



### Contact Information:

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Efficient, economical, highly engineered light fixtures saving our customer's energy