

GSL SERIES GARAGE/SURFACE/LED	Cat.#		 HUBBELL Outdoor Lighting
	Job	Type	
			Approvals

SPECIFICATIONS

Intended Use:

Ceiling applications from eight to fifteen feet for box or pendant mount. Applications include parking garage, walkway or building canopies, corridors, tunnels, large stairwells and other interior applications with ambient up to 40°C. Two lumen packages and optical distributions are available making the GSL Series luminaire both versatile and functional.

Construction:

- Vertically finned cast aluminum housing for maximum heat dissipation ensuring long component life and luminaire performance
- IP66 luminaire rating
- Durable gray powder coat paint finish
- Two 1/2" threaded hubs for accessories

Optics/Electrical

LED:

Two lighting distributions are included: Type V square (installed), Type II rectangle (in carton). Each LED has individual optical grade PMMA acrylic lens to ensure repeatable photometrics and enhanced performance. The design's overlapping redundant patterns of light ensure consistent light level uniformity regardless of the unit being in a dimmed mode or number of LEDs illuminated

- CCT: 4000K (70 CRI)
- Lumen package 6,000 with 15 LEDs
- Wattage: 53
- Lumens per watt: 111
- 15KA surge protection included standard

- Single constant current, 1050mA, IP66 and RoHS compliant
- 120V-277V, 50/60hz, > 90% Power Factor, < 20% THD
- 0-10V dimming (dimming leads pulled and staged for easy sensor installation)

Controls:

- Programmable motion sensor option available. Stand alone photocell only available as an accessory to be ordered separately and field installed

Installation:

Mounts directly to 4" junction boxes or 3/4" pendant stems, making the fixture adaptable for multiple applications. Each mounting can be accomplished while maintaining a watertight seal.

- Designed for up to 40° C ambient temperatures
- Minimum operating temperature is -30°C/-22°F
- Hinged mounting plate for easy single person installation

Listings:

Listed to UL 1598 for use in wet locations, 40° C ambient environments; IP66

- DesignLights Consortium (DLC) Qualified, consult DLC website for more details:
<http://www.designlights.org/QPL>

Warranty:

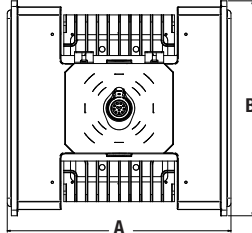
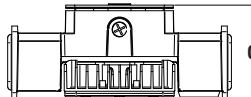
Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

PRODUCT IMAGE(S)



Top mounting bracket

DIMENSIONS

			
A	B	C	Weight:
12.5"	12.01"	5.21"	13.8 lbs
(317.5 mm)	(304 mm)	(132 mm)	6.25 kg

CERTIFICATIONS/LISTINGS



ORDERING INFORMATION

ORDERING EXAMPLE: GSL-15L

GSL	-		-	
SERIES		NUMBER OF LEDS		OPTION
GSL	GSL garage/surface LED	15L	15 LEDs	SCP ¹ Programmable motion control, with built in photocell, factory default is 10% light output

¹ Must order minimum of one SCP-REMOTE to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120V-277V only

ACCESSORIES/REPLACEMENT PARTS - Order separately

CATALOG NUMBER	DESCRIPTION
GSL-SPC	Vandal shield, polycarbonate
GSL-CS	Comfort shield, acrylic, improved uniformity, 8% lumen reduction
93048453	Programmable motion sensor (High/low or on/off capability, user programmable low settings) Must also order lens 95005520 and at least (1) SCP-REMOTE per project to program
95005520	Motion sensor lens (wide lens, 48 ft. diameter, 16ft. maximum mounting height)
PTA-1	120V button photocell with 1/2" thread
PTA-8	120V - 277V button photocell with 1/2" thread
SCP-REMOTE	Infrared IR remote control to program motion sensor (Minimum 1 required per project)
GSL-MTG-PL	Hinged mounting plate
GSL-LENS-M	15 and 21 LED lens for symmetrical Type V
GSL-LENS-R	15 and 21 LED lens for asymmetrical Type II rectangular
GSL-Protector	15 KA surge protector



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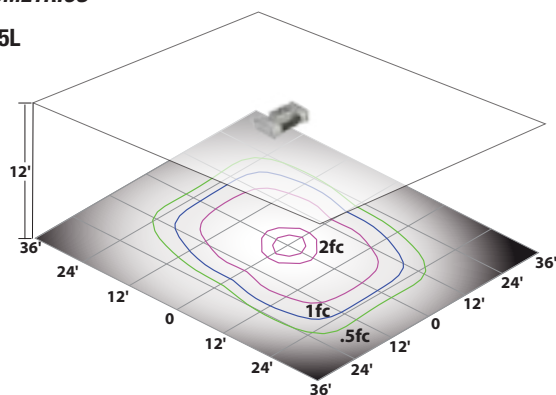
Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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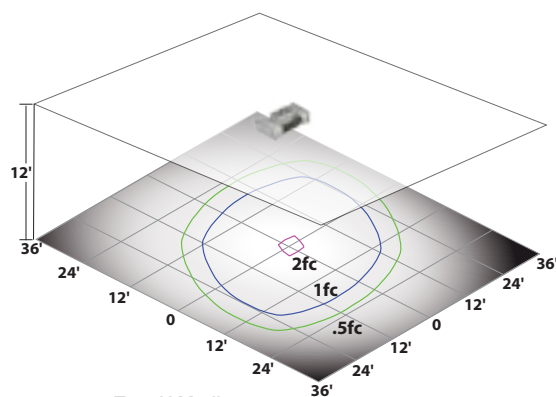
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PHOTOMETRICS

GSL-15L



Type II Rectangular



Type V Medium

PERFORMANCE DATA

# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	4K (4000K nominal, 70 CRI)				
				LUMENS	LPW ¹	B	U	G
15	1050 mA	53	5M	6017	113	3	1	1
			5R	5977	112	2	1	2

¹Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	TM-21-11 60,000	100,000	Calculated L70 (HOURS)
40°C / 104°F	0.99	0.92	0.86	0.89	0.77	>142,000

¹ Projected per IESNA TM-21-11

Data references the extrapolated performance projections for the **GSL-21L** base model in a 40°C ambient, based on 6,000 hours of LED testing per IESNA LM-80-08.

ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
15	1	(1050 mA) STD.	120	53	0.45
			277	53	0.19
21	1	STD.	120	75	0.62
			277	75	0.27

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE		LUMEN MULTIPLIER
0° C	32° F	1.02
10° C	50° F	1.01
20° C	68° F	1.00
25° C	77° F	1.00
30° C	86° F	1.00
40° C	104° F	0.99
50° C	122° F	0.98

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

MOUNTING OPTIONS & ACCESSORIES



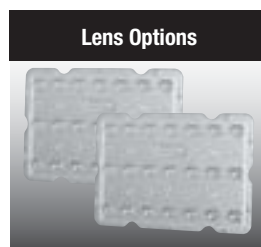
Field installable motion control sensor option available for maximum energy-savings - **93048453** and **95005520** (order separately)



Field installable photocontrol option available for energy-saving dusk-to-dawn operation - **PTA-1** and **PTA-8** (order separately)



4" junction box or 3/4" threaded pendant mount, hinged mounting plate for easy single person installation



Two high performance lenses included, provides choice of symmetrical and asymmetrical distribution for optimum lighting performance - **GSL-LENS-M** and **GSL-LENS-R**



Two shield options available: clear vandal shield and frosted comfort shield for reduce glare - **GSL-SPC** and **GSL-CS** (order separately)



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