



Catalog Number	
Project	Type

## FEATURES & SPECIFICATIONS

**APPLICATION** — The LPG Series LED Parking Garage Luminaire is designed for parking garages, covered canopy drives, hotel entrance drives, Porte Cocheres, & covered canopy walkway applications.

**FEATURES** — Die cast & fabricated aluminum housing. LED heatsink is extruded aluminum. Access to electrical gear is via a hinged modular door which has quick release capability for ease of service. IP66 rated optical chamber is silicone gasketed, IP67 rated driver. Models available with HOEB battery backup, motion activated control with daylight sensing.

**OPTICAL** — T5W, T5M, T3 injection molded clear acrylic TIR optics DR Type UV stabilized acrylic is standard. House side shields are available.

**FINISH** — Standard TGIC polyester powder coat finish on all aluminum components with 5-stage pre-treatment process.

**MOUNTING** — Pendant mount fixture provided with 1/2" NPT pipe hub w/locking screw for attachment to 1/2" pipe stems (ordered separately) 36" STD lead whip provided. Surface mount version has quick mount banging feature. Attaches to all standard J-boxes or surface mount on ceiling/beams using anchors by others.

**ELECTRICAL** — 8LED arrays provide light source. See ordering guide for color temperature & CRI option. 70 CRI std. 120-277V or 347-480V 50/60 HZ single phase input, constant current dimming drivers provided. Outputs from 5,000 lumens-5L to 19,000 lumens-19L. Surge protection rated to 20KA/Kv per IEEE/ANSI C62.41.2 category C High Exposure.

# LPG SERIES

## LED Parking Garage Luminaire



SERIES	LENGTH HEIGHT & WIDTH	
<b>LPG</b>	w/ Pendant Mount: 15" x 15" x 4.25"	w/ Surface Mount: 15" x 15" x 6.19"

**LISTINGS** — ETL listed for damp location. Meets US & Canadian safety standards. Classified according to UL1598C safety standard. Complies with UL8750. ROHS compliant.

**WARRANTY** — The complete luminaire is covered by a 5-year limited warranty.

## ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

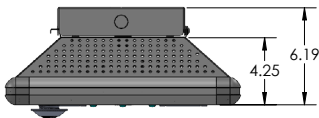
**EXAMPLE:**

**LPG C 15L T5W 1 P HOEB AA**

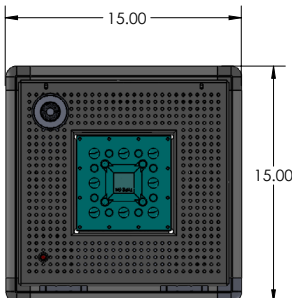
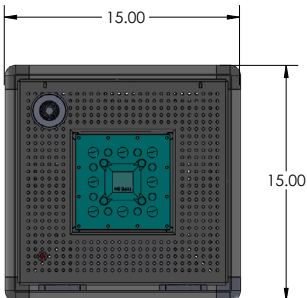
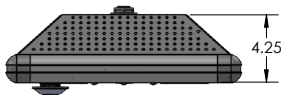
SERIES	COLOR TEMP	LUMENS	OPTICS	VOLTAGE	MOUNTING	OPTIONS	FINISH
<b>LPG</b>	<b>W</b> - Warm White (3000K) <b>N</b> - Neutral White (4000K) <b>C</b> - Cool White (5000K)	<b>5L</b> - 5000 Lumens <b>8L</b> - 8000 Lumens <b>10L</b> - 10000 Lumens <b>12L</b> - 12000 Lumens <b>14L</b> - 14000 Lumens <b>15L</b> - 15000 Lumens <b>16L</b> - 16000 Lumens <b>17L</b> - 17000 Lumens <b>19L</b> - 19000 Lumens	<b>T3</b> - Type III <b>T5M</b> - Type V Medium <b>T5W</b> - Type V Wide	<b>1</b> - Multi-Volt <sup>1</sup> <b>2</b> - 347-480V	<b>P</b> - Pendant Mount <b>S</b> - Surface Mount	<b>HOEB</b> <sup>2</sup> - LED Battery Pack, 90 min (Only for 5L-17L Modules) <b>IMS</b> <sup>3</sup> = Fixture Mount Passive Infrared Motion Sensor (IMS Lenses Below, Ordered Separately) <b>TLWSFSP-L3</b> = 360° lens, maximum coverage 40' diameter from 20' height (IMS) <b>DLP</b> = Dimming Leads Pulled <b>IMSBTM</b> <sup>4</sup> = AC Powered Internal Network Wireless PIR & Daylight Harvesting Sensor (IMSBTM Lenses Below, Ordered as a Separate Line Item) <b>WHBL1</b> = 360° PIR lens, maximum coverage 80' dia. from 40' height (IMSBTM)	<b>BK</b> - Black <b>BZ</b> - Bronze <b>GR</b> - US Green <b>WH</b> - White <b>SP</b> - Special <sup>5</sup> <b>AA</b> - Anodized Aluminum

## FIXTURE DIMENSIONS

**S - Surface Mount**



**P - Pendant Mount**



## ACCESSORIES

**Stems Mount** = (PN# PTPM[6,12,18 or 24]XX) if ordering separately, must denote stem length as indicated by numerals & paint finish, XX = Paint Finish.

**TLWSFSIR-100** = Remote Handheld Sensor Configuration Tool

## NOTES

**1** = Multi-Volt is an auto ranging power supply from 100V to 300V input.

**2** = 17L max for HOEB modules. Cannot be used on 19L module.

**3** = TLWSFSP-L3 Lens must be ordered along with this sensor.

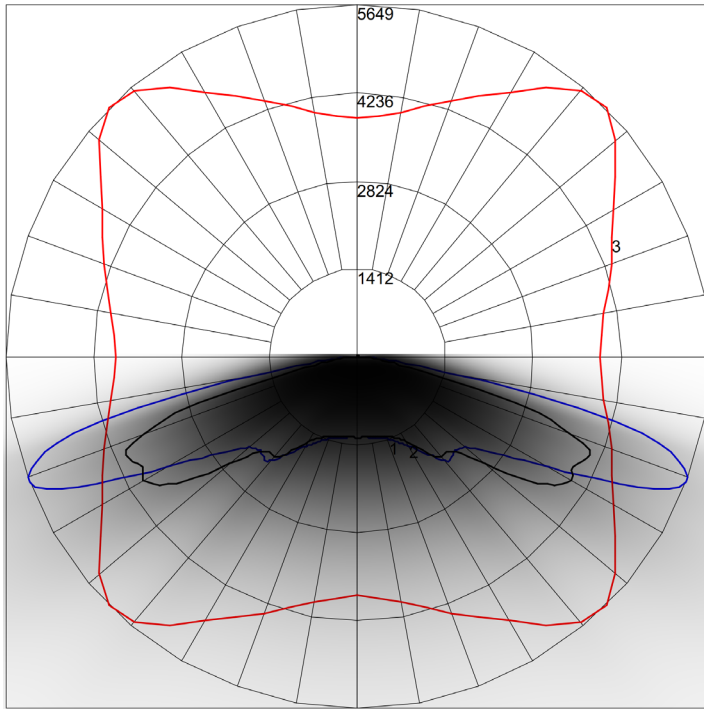
**4** = WHBL1 Lens must be ordered along with this sensor.

**5** = Custom RAL color matching is available. Contact your sales representative for additional info.



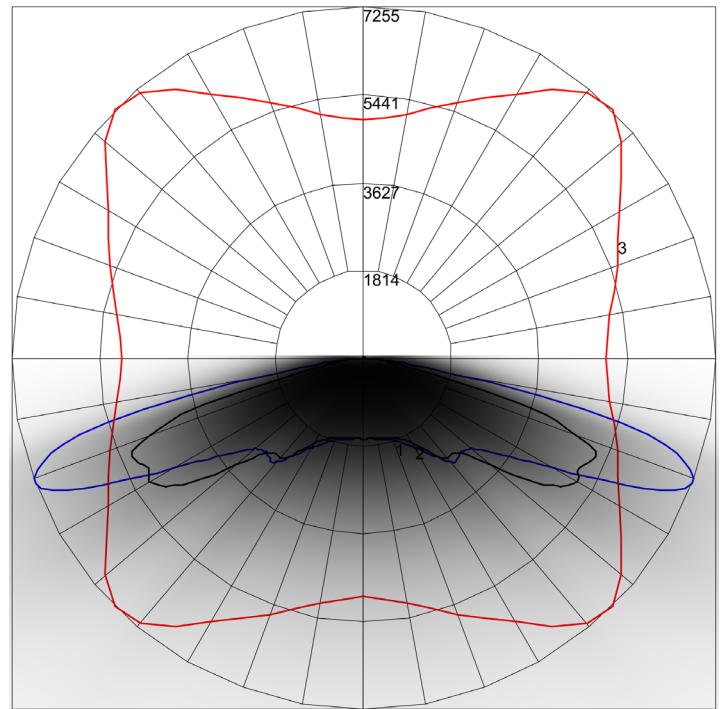
## POLAR CURVE

### LPG C 15L T5W



Maximum Candela = 5648.622 Located At Horizontal Angle = 45, Vertical Angle = 69  
 # 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
 # 2 - Vertical Plane Through Horizontal Angles (0 - 180)  
 # 3 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

### LPG C 19L T5W



Maximum Candela = 7254.973 Located At Horizontal Angle = 45, Vertical Angle = 69  
 # 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
 # 2 - Vertical Plane Through Horizontal Angles (0 - 180)  
 # 3 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

## FIXTURE PHOTOS

S - Surface Mount



P - Pendant Mount



**WARNING:** Maintenance performed including the replacement of LED bricks while power is still supplied to the luminaire may result in system failures and will void the warranty

# LPG LED Parking Garage

## FIXTURE MOUNT SENSOR (IMS)

**APPLICATION** — The sensor is ideal for areas such as parking facilities, gas stations, pedestrian pathways, and warehouses. A choice of four lenses ensures complete coverage for mounting heights up to 40'.

**OPERATION** — Typically, the sensor ramps lighting On to the selected High mode level when motion is detected and the ambient light level is below the hold off setpoint. After the sensor stops detecting movement and the time delay elapses, lights fade to the Low mode level. If there is no motion during the subsequent cut off time delay, the lights will turn Off. For dusk to dawn control, the integral photocell can switch the lights On and Off based on the ambient light level so that lighting remains on overnight even without motion detection.

### FEATURES —

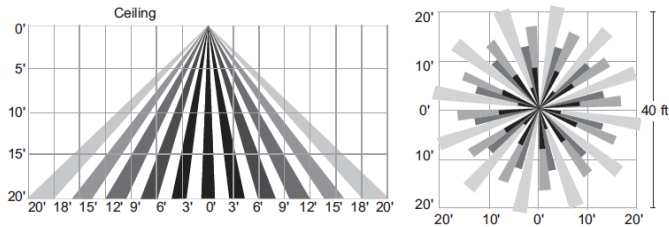
- Provides line voltage On/Off switching
- High and low modes fully adjustable from 0 to 10V
- Time delay from 5 to 30 minutes
- Optional cut off delay
- Adjustable ramp up and fade down times
- Optional daylighting setpoints feature automatic calibration, or permit manual adjustment
- Polycarbonate construction; flame retardant, UV resistant, impact resistant, recyclable
- UL244A and UL508



## SENSOR LENSES FIELD OF VIEW

### TLWSFSP-L3

360° lens, maximum coverage 40' diameter from 20' height



## TECHNICAL DATA

Data Shown in: 5000K (CCT) T5W (optic)	Lumens	Wattage	Lm/W	120V Amps	208V Amps	240V Amps	277V Amps
5L	5200	32W	162.5lm/w	0.27A	0.15A	0.13A	0.16A
8L	8100	47W	172.3lm/w	0.39A	0.23A	0.20A	0.17A
10L	10140	60W	169.0lm/w	0.50A	0.29A	0.25A	0.22A
12L	11910	73W	163.1lm/w	0.61A	0.34A	0.30A	0.26A
14L	14220	89W	159.8lm/w	0.74A	0.43A	0.37A	0.32A
15L	14980	95W	157.7lm/w	0.79A	0.45A	0.39A	0.34A
16L	16440	106W	155.1lm/w	0.88A	0.51A	0.44A	0.38A
17L	17170	111W	154.7lm/w	0.93A	0.53A	0.46A	0.40A
19L	19240	128W	150.3lm/w	1.06A	0.62A	0.53A	0.46A

**WARNING:** Maintenance performed including the replacement of LED bricks while power is still supplied to the luminaire may result in system failures and will void the warranty



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## Integral Motion Sensor Blue Tooth Module (IMSBTM)

**APPLICATION** — The IMSBTM is an AC-powered, Integral Motion Sensor Blue Tooth Module, that is highly versatile for various indoor and outdoor lighting fixtures. It provides **360° coverage**, making it optimal for open spaces and aisles. This sensor is particularly suitable for environments such as parking lots, fuel stations, walkways, and storage facilities. The WHBL1 lens is crafted for fixtures at mounting heights ranging from **20 to 40 feet**, ensuring a coverage span of up to **80 feet in diameter** at the maximum height of **40 feet**. These lenses are designed with multiple cells and tiers, creating a dense pattern of coverage.

- Analog Sensor Built-in
- Replaceable lens options
- 120-277V Line Voltage input
- Daylight harvesting available

**OPERATION** — Typically, the sensor ramps lighting On to the selected High mode level when motion is detected and the ambient light level is below the hold off setpoint. After the sensor stops detecting movement and the time delay elapses, lights fade to the Low mode level. If there is no motion during the subsequent cut off time delay, the lights will turn Off. For dusk to dawn control, the integral photocell can switch the lights On and Off based on the ambient light level so that lighting remains on overnight even without motion detection.

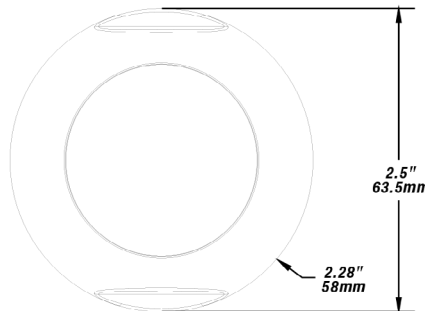
### ADDITIONAL FEATURES

- **Wireless Control System:** Bluetooth® Low Energy Mesh 4.2 & 5.0 protocols. Enables individual or group control of luminaires.
- **Mobile App Operation:** Intuitive interface for easy management.
- **Flexible Commissioning:** Components commissioned via the Mobile App. No need for a gateway during commissioning.
- **Sensor Integration:** Works seamlessly with various sensors. Enhances energy efficiency and responsive lighting.
- **Mesh Network Range:** Wireless communication up to 100 feet or more between devices. Ideal for diverse spatial configurations.
- **Internet Independence:** Commissioning and operation without internet access. Ensures functionality in various environments.
- **Security Measures:** Data encryption for mesh network security. Device access restricted without encrypted QR codes.
- **UL 1376 Verification:** LiteTrace, the manufacturer, has UL 1376 verification. Ensures adherence to stringent security standards.
- **In-House R&D Capabilities:** Full-stack, in-house R&D for networked sensors and controllers. Reflects a high level of control and innovation.
- **Industry Recognition:** One of the first systems listed to DLC's Networked Lighting Controls (NLC5). Compliance with industry standards and specifications.

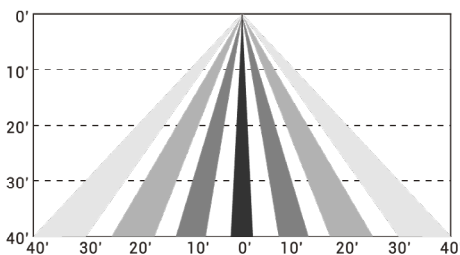


## SENSOR LENS FIELD OF VIEW AND DIMENSIONS

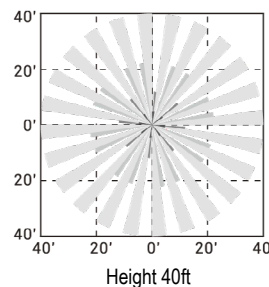
### WHBL1



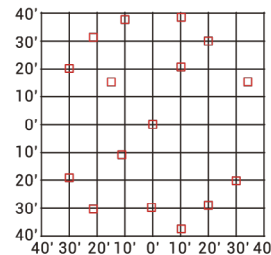
Coverage Side View



Coverage Top View



Detecting Spots For Ref



### Network Lighting Control App Instruction Manual

located on the Techlight Website -> Resources Page.  
Location shown below, or scan the QR code to the right.  
<https://techlight.com/pdf/IMSBTM%20Manual.pdf>

