



# PermaLED™ Outdoor Luminaires

## Low Profile Canopy Luminaire

### Garage Optics

Catalog # \_\_\_\_\_

Type \_\_\_\_\_

Project \_\_\_\_\_

Notes \_\_\_\_\_

Date \_\_\_\_\_



#### Low Profile Canopy

**Length:** 12.0" **Width:** 12.0" **Height:** 2.71" **Weight:** 8 lbs.

PermaLED Low Profile LED Canopy luminaires are environmentally preferable, LED alternatives to traditional high-intensity discharge luminaires with up to 175W HID leading to energy savings of up to 74% compared to HID. The nominal 2.7" height of these extremely durable luminaires is less obtrusive making them ideal for entry ways, parking garages and stairwells. The luminaires provide up to 10kV surge protection for effective suppression of most transient AC line surges. Luminaires are ETL listed in the United States and Canada, and backed by a 5 year warranty.

#### Specifications

**LED Systems/Electrical:** Offered in 40 and 55 watts, the luminaire is designed to operate through the 120-277 VAC universal voltage range and includes lightning surge protection in each unit, which is effective at suppressing most transient surges on the AC line. The 0-10V driver is control ready.

The LED driver is a constant current device with a high power factor correction to maximize power utilization. The driver meets UL1310 and UL48 Class 2 with built-in over temperature protection. The fixture power factor is  $\geq 90\%$  and THD is  $\leq 20\%$ .

**Optic:** Light distribution is Type V with a single-piece, UV stabilized clear polycarbonate refractor lens.

**Listings:** LM79 reports available; IP 65 Rated optical chamber; UL1310; FCC Part 15 for Class A for conducted and radiated emissions; DLC qualified; RoHS Compliant and ETL listed according to UL1598 for wet locations for the US and Canada; and tested in accordance with IEEE C62.41-2002 Category C low.

**Color Characteristics:** CRI  $>70$ ; CCT of 4000K and 5000K.

**Installation:** Fixture mounts to recessed outlet box. Pendant mount option available (accessories not included).

**Life:**  $>100,000$  hours ( $L_{80}$ ).

**Operating Temperature:**  $-20^{\circ}\text{C}$  to  $+45^{\circ}\text{C}$

**Construction:** The luminaire is constructed of a one-piece cast, low copper ( $<0.4\%\text{Cu}$ ) aluminum alloy. It has TGIC thermoset polyester powder coat paint finish, 2.5-mil nominal thickness; standard colors are bronze, silver and white.

**Warranty:** Standard Five-year outdoor LED Fixture Warranty LED152.

#### Comparison

HID Source (System)	LED System	System Energy Savings	HID Source Life	LED Life (Hrs.)
70W HPS (91W)	40W	54%	24,000	100,000
100W HPS (120W)	40W	65%	24,000	100,000
100W MH (130W)	40W	69%	15,000	100,000
150W HPS (170W)	40W	76%	24,000	100,000
150W HPS (170W)	55W	68%	24,000	100,000
150W MH (185W)	40W	78%	15,000	100,000
150W MH (185W)	55W	71%	15,000	100,000
175W MH (208W)	40W	81%	10,000	100,000
175W MH (208W)	55W	74%	10,000	100,000



## Ordering Guide

XXX	L	XX	7	XX	T5	UNV	XX
Product Name LSC= Low Profile	Lamp Type LED	Wattage 40= 40 Watts 55= 55 Watts	CRI CRI>70	Color Temp 40=4000K 50=5000K	Photometric Distribution T5- Type V Distribution	Voltage 120-277V	Finish/ Color BZ= Bronze WH= White SV= Silver

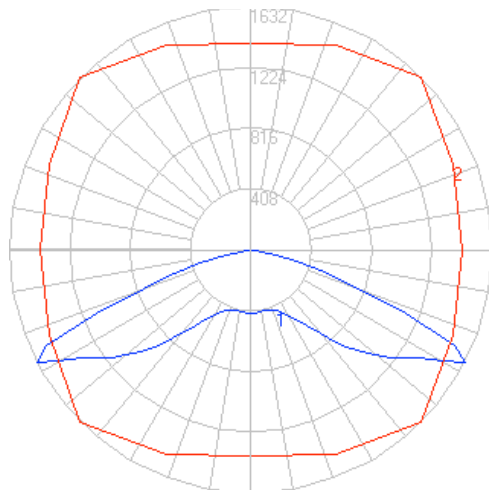
## Ordering Information

Item Number	Ordering Abbreviation	System Wattage (W)	CRI	Color Temp (CCT)	Distribution	Total Fixture Lumens	Lumens per Watt (LPW)	Fixture Color
71936	LSC/L/40/750/T5/UNV/WH	40	>70	5000K	Type V	4500	111	White
71937	LSC/L/55/750/T5/UNV/WH	55	>70	5000K	Type V	6000	106	White
71938*	LSC/L/40/740/T5/UNV/WH	40	>70	4000K	Type V	4500	111	White
71939*	LSC/L/55/740/T5/UNV/WH	55	>70	4000K	Type V	6000	106	White
71940	LSC/L/40/750/T5/UNV/SV	40	>70	5000K	Type V	4500	111	Silver
71941	LSC/L/55/750/T5/UNV/SV	55	>70	5000K	Type V	6000	106	Silver
71942*	LSC/L/40/740/T5/UNV/SV	40	>70	4000K	Type V	4500	111	Silver
71943*	LSC/L/55/740/T5/UNV/SV	55	>70	4000K	Type V	6000	106	Silver
71944	LSC/L/40/750/T5/UNV/BZ	40	>70	5000K	Type V	4500	111	Bronze
71945	LSC/L/55/750/T5/UNV/BZ	55	>70	5000K	Type V	6000	106	Bronze
71946*	LSC/L/40/740/T5/UNV/BZ	40	>70	4000K	Type V	4500	111	Bronze
71947*	LSC/L/55/740/T5/UNV/BZ	55	>70	4000K	Type V	6000	106	Bronze

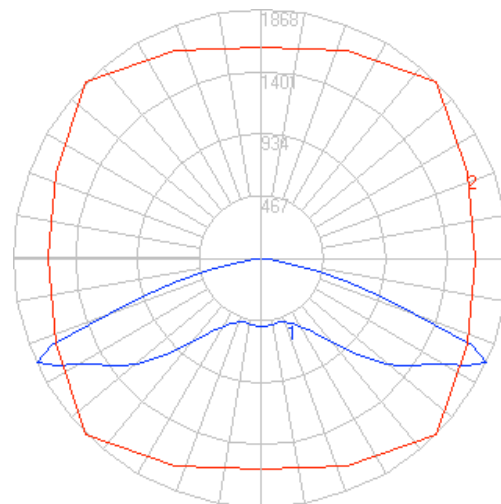
\*Contact your OSRAM SYLVANIA sales representative for more information

## Photometric Information

### OSRAM PermaLED™ Low Profile Canopy 40 Watt with Garage Type V Optics



### OSRAM PermaLED Low Profile Canopy 55 Watt with Garage Type V Optics



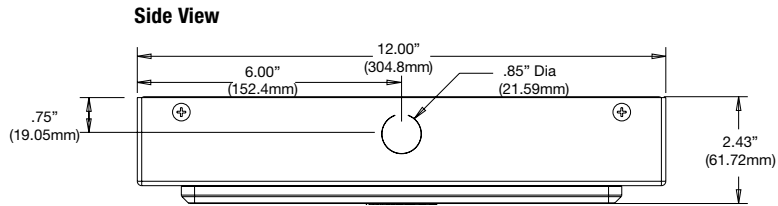
	Lumen Maintenance Factor Operating Hours				L <sub>70</sub> Calculated Hours
<b>25°C</b>	25,000	50,000	75,000	100,000	
40W LPC	0.97	0.95	0.93	0.91	464,536
55W LPC	0.97	0.95	0.93	0.91	464,536
<b>40°C</b>					
40W LPC	0.97	0.95	0.92	0.90	352,722
55W LPC	0.96	0.93	0.89	0.86	245,187

Note: Projected LED Lumen Maintenance

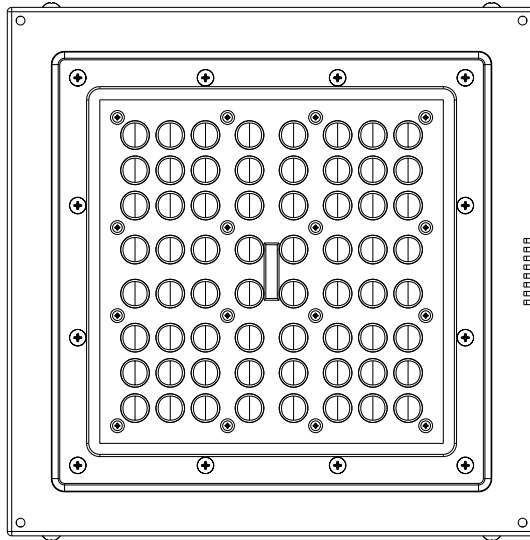
Data references the extrapolated performance projections for the PermaLED Low Profile Canopy in a 25 and 40°C ambient, based on 6,000 hours of LED testing (tested per 80-08 and projected per IESNA TM-21-11).

## Mechanical Drawing

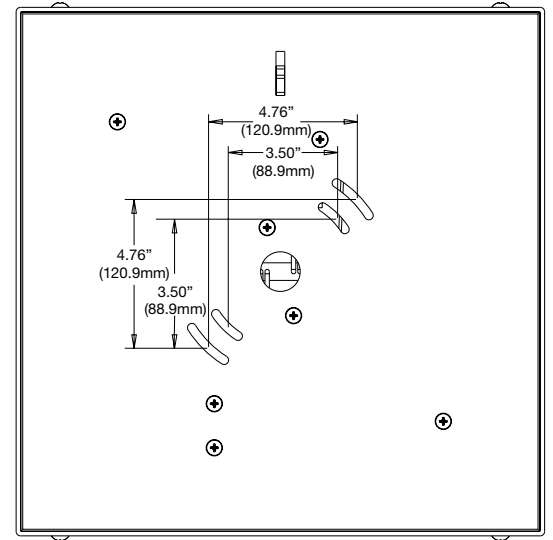
### Low Profile Canopy



### Front View

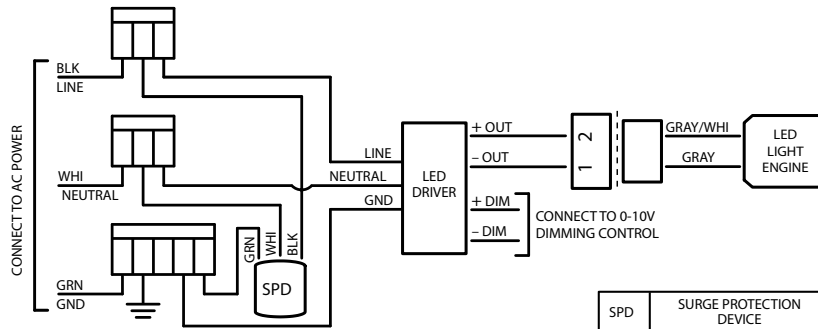


### Back View

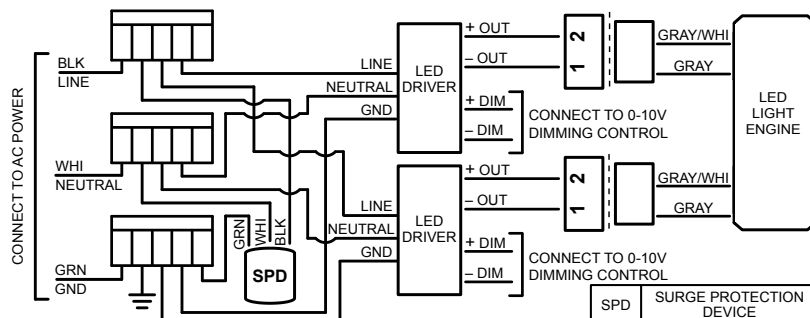


## Wiring Diagram

### 40 Watt PermaLED™ Low Profile Canopy



### 55 Watt PermaLED Low Profile Canopy



## Safety Information

**WARNING: ONLY QUALIFIED PERSONNEL SHOULD PERFORM INSTALLATION.**

**TO AVOID ELECTRICAL SHOCK OR COMPONENT DAMAGE, DISCONNECT POWER BEFORE ATTEMPTING INSTALLATION OF THE FIXTURES.**

Failure to install the fixtures in accordance with the National Electric Code (NEC), all applicable Federal, State and local electric codes as well as the specific Underwriters Laboratories (UL) safety standards for the installation, location and application may cause serious personal injury, death, property damage and/or product malfunction.

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