



Catalog Number	
Project	Type

### FEATURES & SPECIFICATIONS

**APPLICATION** — The LUV SERIES provides uniform light irradiance, optimal heat dissipation and most notably true color. It is perfect for outdoor landscape with E26/E27 medium screw bases. This UL-Listed, energy-efficient LED lamp uses less power than its HID predecessors. They're also great for outdoor fixtures with weatherproof housings, such as garage lights, security lights and landscape lights. Using powerful LEDs, this dimmable LED flood lamp emits up to initial 3000 lumens of daylight white illumination in a wide 90° beam. Available in green frosted dome lens, lessens shadows and disperses light evenly with a gradual fade into nonilluminated areas simulating a "Moonlighting" effect. The LED flood lamp operates with 120Vac and is designed to last 20 times longer than similar incandescent lamps. For outdoor landscape application, surge protection device is recommended (Min. 1 per circuit.). For installation in R40 size bullet fixture, socket extension is recommended.

### ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each attribute.

EXAMPLE: **LUV PAR38 20W 27K**

LUV			
SERIES	SIZE	WATTAGE	COLOR TEMPERATURE
	<b>PAR38</b>	<b>20W</b> = 20 Watt	<b>27K</b> = Ultra Warm White (2700K) <b>30K</b> = Warm White (3000K) <b>40K</b> = Cool White (4000K) <b>65K</b> = Daylight White (6500K) <b>GR</b> = Moonlight Green

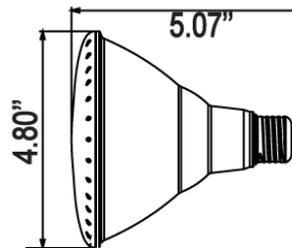
# LUV SERIES

## PAR38 LED Lamps



SERIES	DIAMETER & WIDTH
<b>LUV</b>	4.80" x 5.07"

### DIMENSIONS



Picture shown:  
LUV PAR38 20W GR

### TECHNICAL DATA

<b>Item</b>	LED Lamp
<b>Lamp Shape</b>	PAR38
<b>Overall Lamp Base Type</b>	Medium Screw E26/27
<b>Light Technology</b>	LED
<b>Color Temperature</b>	2700K, 3000K, 4000K, 6500K, GR
<b>Nominal Lumens</b>	2650lm
<b>Efficacy</b>	133lm/w
<b>Lumen Equivalency</b>	100W Mercury Vapor HID
<b>Watts</b>	20W
<b>Voltage</b>	120VAC (108-132 VAC)
<b>Dimmable<sup>1</sup></b>	Yes (see page 2 for compatible dimmer list)
<b>Lamp Beam Angle</b>	90 Degrees
<b>Lamp Primary Application</b>	Flood

<b>Lamp Diameter</b>	4.80" Dia. x 5.07" Height
<b>Lamp Housing</b>	Glass
<b>Lamp Type</b>	Reflector
<b>Indoor/Outdoor Usage</b>	Indoor/Outdoor Enclosed Fixtures
<b>Structure</b>	Enclosed
<b>Color Rendering Index</b>	80
<b>Certification</b>	UL Listed
<b>Input Frequency</b>	60Hz
<b>Input Current</b>	170mA
<b>L70 Rated Life</b>	25,000 hr
<b>Lamp Operating Temp. Range</b>	-13°F to 104°F
<b>Power Factor</b>	>0.9
<b>Lamp Manufacturers Warranty Length<sup>2</sup></b>	3 yr

**IMPORTANT:** LUV Series, of PAR LAMPS, cannot be used in Recessed, Well/Burial or Inground fixtures. Please contact your sales rep for alternative options.

### NOTES

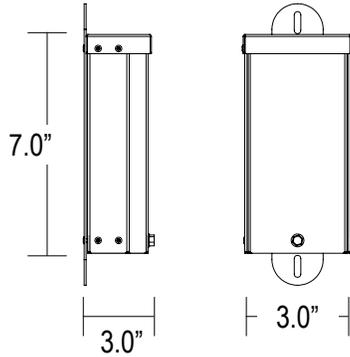
<sup>1</sup> = See page 2 for details.

<sup>2</sup> = Recommend to use external surge protector on each circuit to keep warranty valid. See FSPENCA277V specification sheet for details.

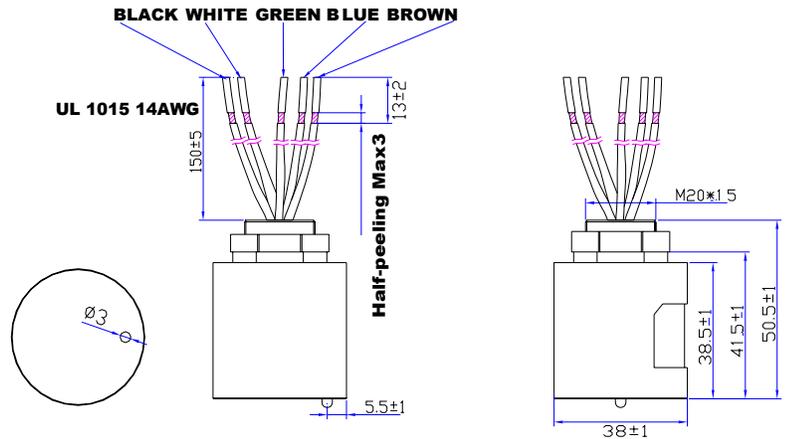


**ACCESSORY** (Order as separate line items)

**FSPENCA277V** - 120-277V Fused surge protector (102549) with aluminum enclosure



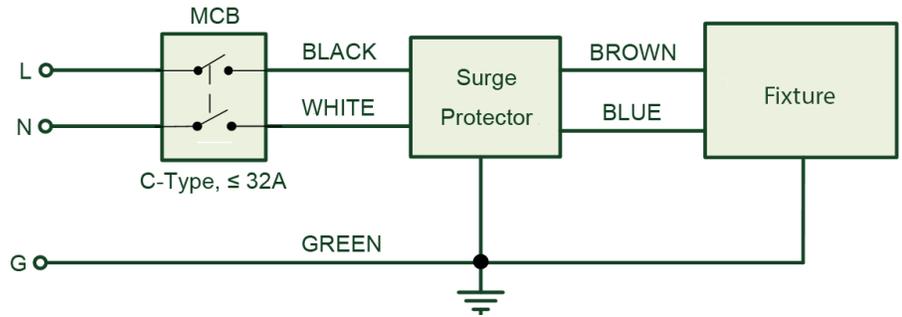
**102549 DIMENSIONS**



**102549<sup>2</sup>** - 10kA Surge Protective Device

- 90-305 Vac Working Input Voltage
- 15 kA Maximum, 10 kA Nominal (15 strikes) Surge Current Rating Using Industry Standard 8/20us Wave
- UL1449 Type 4, EN 61643-11 - Surge Protective Devices T2 & T3
- IEEE C62.41.2 Location Category C High
- High Temperature, 85C Maximum Ambient
- Flameproof Plastic Enclosure
- IP66
- Compatible with Inventronics LED Drivers
- "Series" Wiring Configuration

**102549 WIRING DIAGRAM (IN SERIES)**



**COMPATIBLE DIMMER LIST**

Brand	Model Number	Specification Sheet
LUTRON	MACL-153M-WH	<a href="https://www.lutron.com/TechnicalDocumentLibrary/369613a.pdf">https://www.lutron.com/TechnicalDocumentLibrary/369613a.pdf</a>
LUTRON	DVCL-153P-WH	<a href="https://www.lutron.com/TechnicalDocumentLibrary/369682.pdf">https://www.lutron.com/TechnicalDocumentLibrary/369682.pdf</a>
LUTRON	MACL-153MH-WH	<a href="https://www.lutron.com/TechnicalDocumentLibrary/369613a.pdf">https://www.lutron.com/TechnicalDocumentLibrary/369613a.pdf</a>
LUTRON	TGCL-153P-WH	<a href="https://www.lutron.com/TechnicalDocumentLibrary/0301870.pdf">https://www.lutron.com/TechnicalDocumentLibrary/0301870.pdf</a>
LUTRON	DVCL-153PR-WH	<a href="https://www.lutron.com/TechnicalDocumentLibrary/0301882.pdf">https://www.lutron.com/TechnicalDocumentLibrary/0301882.pdf</a>
LUTRON	CTCL-153PDH-WH	<a href="https://www.lutron.com/TechnicalDocumentLibrary/0301882.pdf">https://www.lutron.com/TechnicalDocumentLibrary/0301882.pdf</a>
LUTRON	P-PKG1W-WH	<a href="https://www.lutron.com/TechnicalDocumentLibrary/3683537CAa_Caseta%20Brochure%202.pdf">https://www.lutron.com/TechnicalDocumentLibrary/3683537CAa_Caseta%20Brochure%202.pdf</a>
LEVITON	DSE06-001-10Z	<a href="https://www.leviton.com/en/docs/Leviton_Dimmer_Buying_Guide.pdf">https://www.leviton.com/en/docs/Leviton_Dimmer_Buying_Guide.pdf</a> <a href="https://www.leviton.com/en/docs/DI-000-DSE06-02A-X3.pdf">https://www.leviton.com/en/docs/DI-000-DSE06-02A-X3.pdf</a>
LEVITON	DDMX1-011-BLZ	<a href="https://www.leviton.com/en/docs/Leviton_Dimmer_Buying_Guide.pdf">https://www.leviton.com/en/docs/Leviton_Dimmer_Buying_Guide.pdf</a> <a href="https://www.leviton.com/en/docs/DI-000-DDMX1-02A.pdf">https://www.leviton.com/en/docs/DI-000-DDMX1-02A.pdf</a>
LUTRON	RADIORA2 RRD-6CL-WH	<a href="https://www.lutron.com/TechnicalDocumentLibrary/044343.pdf">https://www.lutron.com/TechnicalDocumentLibrary/044343.pdf</a>



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INNOVATION IN ILLUMINATION