

Catalog Number	
Project	Туре

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

LUV SERIES

PAR38 LED Lamps



DIMENSIONS





TECHNICAL DATA

Item	LED Lamp	Lamp Diameter	4.80" Dia. x 5.07" Height
Lamp Shape	PAR38	Lamp Housing	Glass
Overall Lamp Base Type	Medium Screw E26/27	Lamp Type	Reflector
Light Technology	LED	Indoor/Outdoor Usage	Indoor/Outdoor Enclosed Fixtures
Color Temperature	2700K, 3000K, 4000K, 6500K, GR	Structure	Enclosed
Nominal Lumens	2650lm	Color Rendering Index	80
Efficacy	133lm/w	Certification	UL Listed
Lumen Equivalency	100W Mercury Vapor HID	Input Frequency	60Hz
Watts	20W	Input Current	170mA
Voltage	120VAC (108-132 VAC)	L70 Rated Life	25,000 hr
Dimmable ¹	Yes (see page 2 for compatible dimmer list)	Lamp Operating Temp. Range	-13°F to 104°F
Lamp Beam Angle	90 Degrees	Power Factor	>0.9
Lamp Primary Application	Flood	Lamp Manufacturers Warranty Length ²	3 yr

NOTES

1 = See page 2 for details.

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





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LUV PAR38 LED Lamps

ACCESSORY (Order as separate line items)

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











- 90-305 Vac Working Input Voltage

- 15 kA Maximum, 10 kA Nominal (15 strikes) Surge

102549² - 10kA Surge Protective Device

- 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	https://www.lutron.com/TechnicalDocumentLibrary/369613a.pdf
LUTRON	DVCL-153P-WH	https://www.lutron.com/TechnicalDocumentLibrary/369682.pdf
LUTRON	MACL-153MH-WH	https://www.lutron.com/TechnicalDocumentLibrary/369613a.pdf
LUTRON	TGCL-153P-WH	https://www.lutron.com/TechnicalDocumentLibrary/0301870.pdf
LUTRON	DVCL-153PR-WH	https://www.lutron.com/TechnicalDocumentLibrary/0301882.pdf
LUTRON	CTCL-153PDH-WH	https://www.lutron.com/TechnicalDocumentLibrary/0301882.pdf
LUTRON	P-PKG1W-WH	https://www.lutron.com/TechnicalDocumentLibrary/3683537CAa_Caseta%20Brochure%202.pdf
LEVITON	DSE06-001-10Z	https://www.leviton.com/en/docs/Leviton_Dimmer_Buying_Guide.pdf https://www.leviton.com/en/docs/DI-000-DSE06-02A-X3.pdf
LEVITON	DDMX1-011-BLZ	https://www.leviton.com/en/docs/Leviton_Dimmer_Buying_Guide.pdf https://www.leviton.com/en/docs/DI-000-DDMX1-02A.pdf
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