



**LUXPAR™**  
LUX ON TARGET

High Performance  
LED PAR20 Lamp

**LuxPAR™** LED PAR20 combines LedEngin's industry leading high performance LED technology with optical, electrical, and thermal management solutions to deliver the lighting equivalence of a conventional 50W halogen PAR20 lamp and the benefits of solid state lighting. LuxPAR delivers the quality and quantity of light required for a broad range of recessed and down lighting applications in spot, narrow flood and flood beams.

Recessed and track lighting applications:

- Retail
- Hospitality
- Restaurants
- Museum
- General lighting

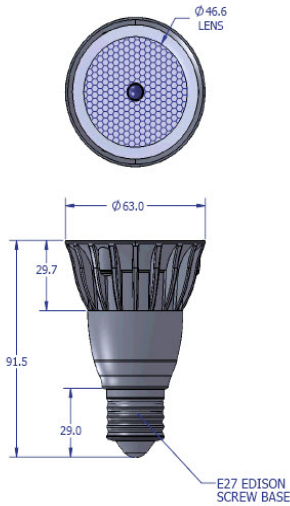
## Features

- 85% power savings over 50W halogen and > 10 times the service life
- Precision optic delivering high quality smooth gradient light beam pattern
- Well-controlled light with minimum discomfort glare
- Industry leading lumen maintenance
- Color point stability exceeds 7x Energy Star requirements
- 120VAC; dimmable with standard dimmers
- Power factor 0.85
- UL, cUL certified
- Mercury and lead-free; RoHS compliant
- 3 year limited warranty

## Product Options and Optical Specifications – Typical Values @T<sub>a</sub>=25°C

| Beam Angle             | Part Number | Color Temperature (K) | Center Beam Candlepower (cd) | Light Output (Lumens) | Color Rendering Index (CRI) |
|------------------------|-------------|-----------------------|------------------------------|-----------------------|-----------------------------|
| Spot<br>15°            | LP20-031W27 | Warm White 2700K      | 2200                         | 275                   | 85                          |
|                        | LP20-031W29 | Warm White 2900K      | 2350                         | 285                   | 85                          |
|                        | LP20-031W31 | Warm White 3100K      | 2500                         | 300                   | 85                          |
|                        | LP20-031N41 | Neutral White 4100K   | 3000                         | 350                   | 80                          |
| Narrow<br>Flood<br>23° | LP20-032W27 | Warm White 2700K      | 1300                         | 275                   | 85                          |
|                        | LP20-032W29 | Warm White 2900K      | 1400                         | 285                   | 85                          |
|                        | LP20-032W31 | Warm White 3100K      | 1500                         | 300                   | 85                          |
|                        | LP20-032N41 | Neutral White 4100K   | 1800                         | 350                   | 80                          |
| Flood<br>35°           | LP20-033W27 | Warm White 2700K      | 600                          | 275                   | 85                          |
|                        | LP20-033W29 | Warm White 2900K      | 650                          | 285                   | 85                          |
|                        | LP20-033W31 | Warm White 3100K      | 700                          | 300                   | 85                          |
|                        | LP20-033N41 | Neutral White 4100K   | 850                          | 350                   | 80                          |

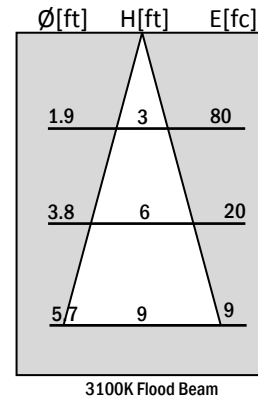
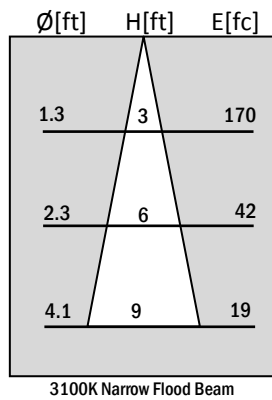
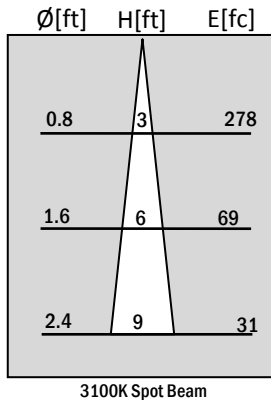
## Outline Dimensions



## Operating Specifications

| Parameter           | Value   |
|---------------------|---|
| Input Voltage       | 120VAC  |
| Power Consumption   | 6.7W  |
| Storage Temperature | -40°C to +85°C                                    |
| Lumen Maintenance   | Average >70% at 50K hours,<br>T <sub>A</sub> 25°C |

## Beam Spread Chart



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**LedEngin, Inc.**

### Contact Information

**LedEngin, Inc.**

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CAUTION – Risk of Electric Shock – Use in Dry Location Only  
Not For Use Where Exposed to the Weather

This device is not intended for use with emergency fixtures  
or emergency exit lights.

"ADDED WEIGHT OF DEVICE MAY CAUSE INSTABILITY OF  
FREE-STANDING PORTABLE LAMPS. Use only with portable  
lamps in which the distance from the bottom of the base to  
the top of the lampholder does not exceed three (3) times  
the base width. Use only with portable lamps which are  
provided with lamp shades."