

LED PAR 38 BULB Spotlight



GENERAL CHARACTERISTICS

Lamp type: LED Bulb replacement
 Bulb: PAR 38
 Base: Bayonet (B22), Medium E27
 Wattage: 22W (LED) 22W (Total)
 Voltage: 90-265VAC
 Rated Life: 50,000 hrs
 Bulb Material: Aluminum Heat Sink/ Glass lens

PHOTOMETRIC CHARACTERISTICS

Initial Lumens: 1,210 Lm
 Mean Lumens: 1,210 Lm
 Initial Lumens per Watt: 55 Lm/Watt
 Color Temperature: 2,900K, 3,500K, 4,500K (+- 50 K)
 Color Rendering Index (CRI): 80 Average

DIMENSIONS

Diameter: 4.75 in (120 mm)
 Overall Length: 5.0 in (125 mm)

PRODUCT INFORMATION

Product Code: 12PAR38120-YYD
 Description: 22W LED PAR38
 Standard Package: Case
 Standard Package Quantity: 40*
 No Of Items Per Sales Unit: 1
 No Of Items Per Standard : 40*
 Package
 *Product Sold in box of 40

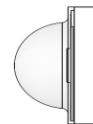
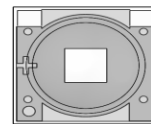
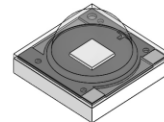
LED Diode Information

Product Code: CREE XPE
 Description: High Power Diode
 Input Voltage: 3.2 V
 Die: 1 CREE
 Drive Current: 500 mA
 Lumens: 150 Lm



12PAR38120-YYD

12- 12 Diodes
 PAR38- PAR38 Halogen Replacement
 120- 120/ 240 Voltage Dimmable
 YY- Kelvin 2700, 3,500K, 4,500K
 D- D represent dimmable



100W Halogen Bulbs

0.1kW x 3,000 hours = 300kWh per year
 300 kWh x \$0.13 = \$.39.00 per year
 \$39.00 x 100 bulbs = \$ 3,900.00 per year

22W LED Bulb

0.022kW x 3,000 hours = 66kWh per year
 66 kWh x \$0.13 = \$8.58 per year
 \$8.58 x 100 bulbs = \$ 858.00 per year

Product Guarantee

The 3 year warranty covers light output over the period and is subject correct storage, installation, operation and maintenance of this product.



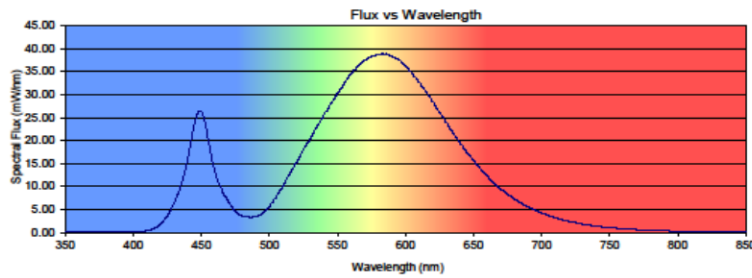
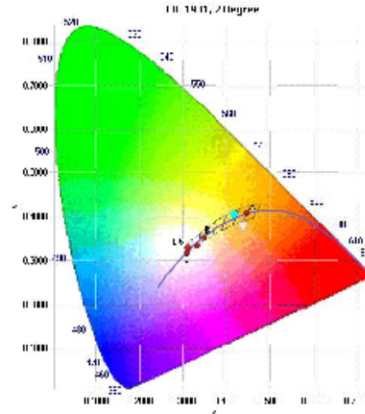
www.jirehled.com
 info@jirehled.com

MADE IN USA

Photometric Characteristics

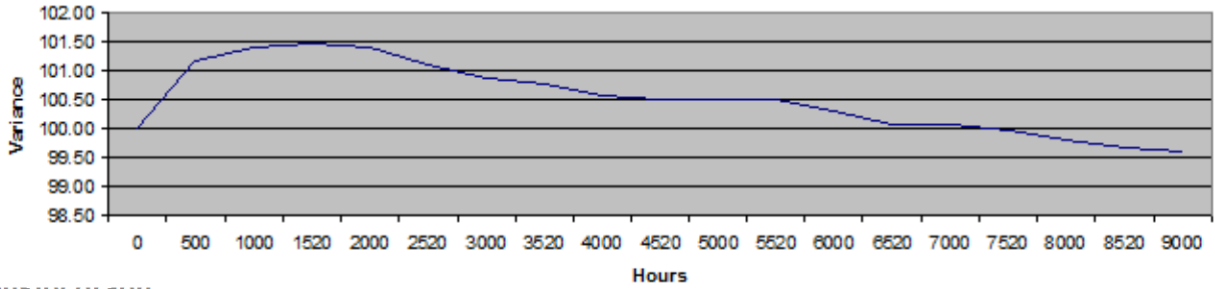
Lumens Data

Radiant Flux: 3,323 mW
 Luminous Flux: 1,210 Lumens
 Luminaire Efficiency: 55 Lumens/Watt
 CCT: 3,347 K
 CRI (Ra): 82.4
 Chromaticity (x): 0.4184
 Chromaticity (y): 0.4055
 Chromaticity (u): 0.2381
 Chromaticity (v): 0.3461
 DUV: 0.0030

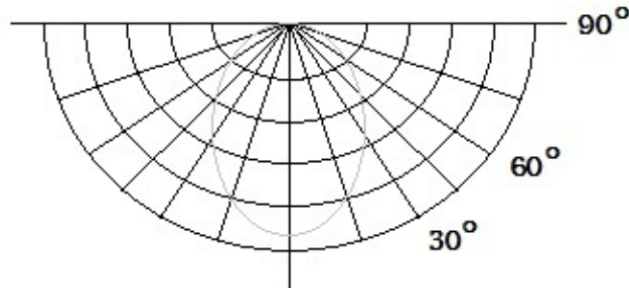


LED Depreciation

Jireh Opto LED 5050 SMD Lumen Maintenance
 T_{sp}= 45C T_{air}= 45C I_f= 60mA



Polar Intensity Graph



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