

7W LED MR16



GENERAL CHARACTERISTICS

Lamp type: LED MR16 replacement
Bulb: MR 16
Base: GU 5.3 (Bi-Pin)
Wattage: 7W (LED) 7W (Total)
Voltage: 12V AC/DC
Rated Life: 50,000 hrs
Bulb Material: Aluminum Heat Sink/ PC lens

PHOTOMETRIC CHARACTERISTICS

Initial Lumens: 420 Lm
Mean Lumens: 420 Lm
Initial Lumens per Watt: 58 Lm/Watt
Color Temperature: 2,900K, 3,500K, 4,500K (+/- 50 K)
Color Rendering Index (CRI): 80 Average

DIMENSIONS

Diameter: 2.5 in (50 mm)
Overall Length: 2.5 in (50 mm)

PRODUCT INFORMATION

Product Code: 7MR1612-AAD
Description: 7W LED MR16 Replacement
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

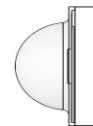
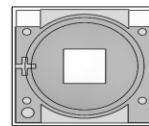
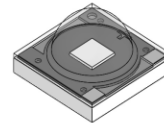
LED Diode Information

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



7MR1612-AAD

7- 7 Watt
MR16- MR 16 Replacement
12- 12 Volt
AA- Kelvin 2700, 3,500K, 4,500K
D- D represent dimmable



50W Halogen Bulbs

0.05kW x 3,000 hours = 150kWh per year
150 kWh x \$0.13 = \$19.50 per year
\$19.50 x 100 bulbs = \$ 1,950.00 per year

7W LED MR16

0.007kW x 3,000 hours = 21kWh per year
21 kWh x \$0.13 = \$2.73 per year
\$2.73 x 100 bulbs = \$ 273.00 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.



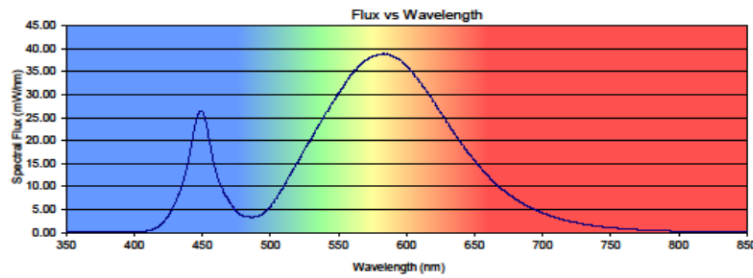
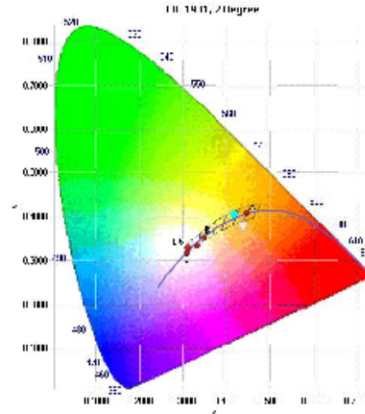
www.jirehled.com
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MADE IN USA

Photometric Characteristics

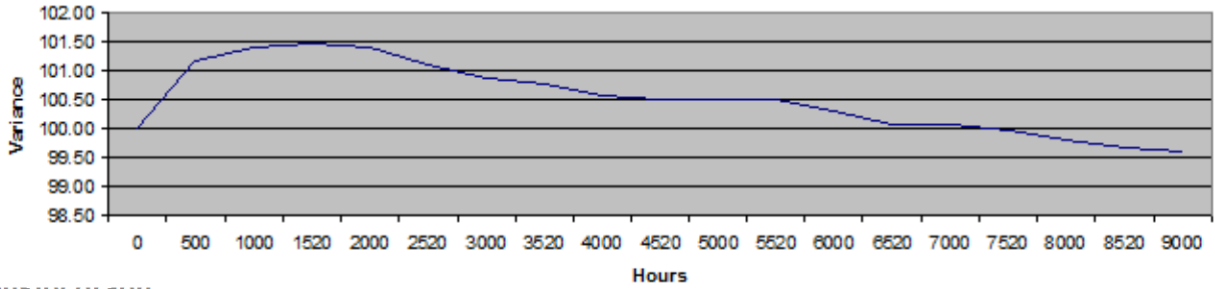
Lumens Data

Radiant Flux: 1,153 mW
 Luminous Flux: 420 Lumens
 Luminaire Efficiency: 58 Lumens/Watt
 CCT: 3,347 K
 CRI (Ra): 85.0
 Chromaticity (x): 0.4184
 Chromaticity (y): 0.4055
 Chromaticity (u): 0.2381
 Chromaticity (v): 0.3461
 DUV: 0.0030

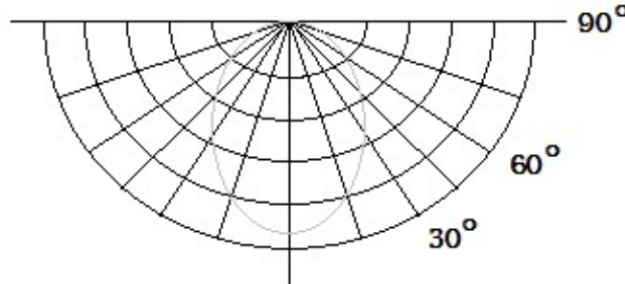


LED Depreciation

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



Polar Intensity Graph



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