

# LED Surface Disc Flood



## GENERAL CHARACTERISTICS

Lamp type: LED Disc Fixture  
 Bulb: LED Disc  
 Base: None  
 Wattage: 14W (LED)  
 Voltage: 24VDC  
 Rated Life: 50,000 hrs  
 Bulb Material: Aluminum Heat Sink/ PC lens

## PHOTOMETRIC CHARACTERISTICS

Initial Lumens: 1,140 Lm  
 Mean Lumens: 1,140 Lm  
 Initial Lumens per Watt: 81 Lm/Watt  
 Color Temperature: 2,900K, 3,500K, 4,500K (+- 50 K)  
 Color Rendering Index (CRI): 80 Average

## DIMENSIONS

Diameter: 8.75 in (225 mm)  
 Overall Length: 2 in (50 mm)

## PRODUCT INFORMATION

Product Code: 14DS-F24V120-YYD  
 Description: 14W LED Surface Mount Disc  
 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: PL-PT35281  
 Description: 3528 LED Diode  
 Input Voltage: 3.1 V  
 Die: 1 Epistar  
 Drive Current: 20 mA  
 Lumens: 8 Lm

## 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

## 14W LED Disc

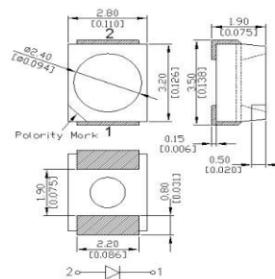
0.014kW x 3,000 hours = 42kWh per year  
 42 kWh x \$0.13 = \$5.46 per year  
 \$5.46 x 100 bulbs = \$ 546.00 per year



**WINNER**  
 Best Retro-fit Product

## 14DS-F24V120-YYD

14- 14 Watt  
 F- Fixture Replacement  
 24V- 24 VDC Constant Voltage  
 120- 120 Degree Beam  
 YY- Kelvin 2700, 3,500K, 4,500K  
 D- D represent dimmable



## Product Guarantee

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



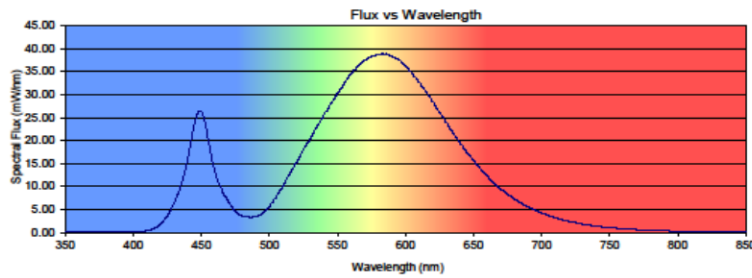
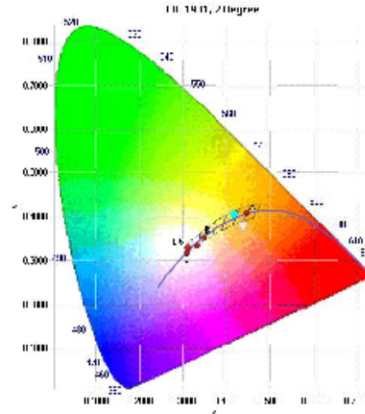
www.jirehled.com  
 info@jirehled.com

MADE IN USA

# Photometric Characteristics

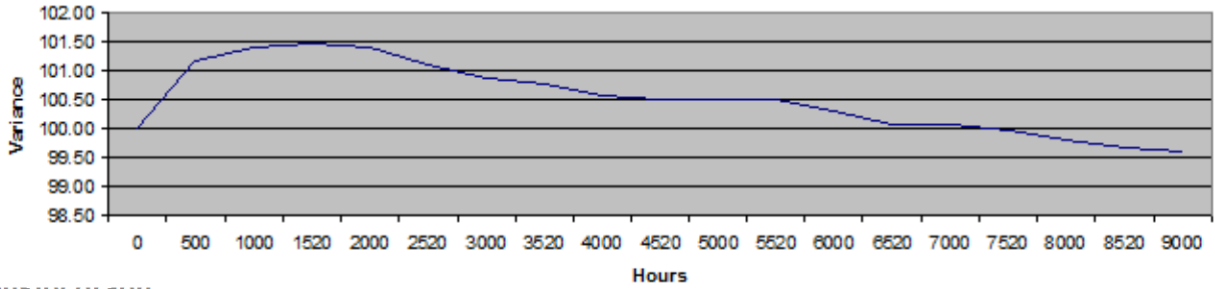
## Lumens Data

Radiant Flux: 3,130 mW  
 Luminous Flux: 1,140 Lumens  
 Luminaire Efficiency: 81 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

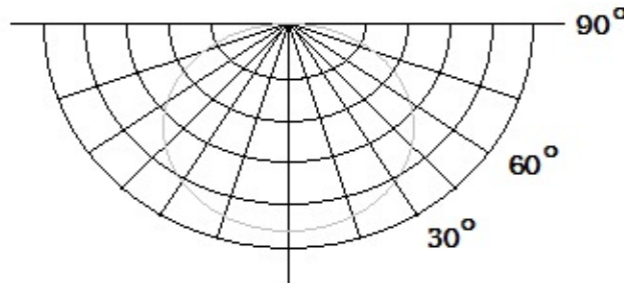


## LED Depreciation

Jireh Opto LED 5050 SMD Lumen Maintenance  
 T<sub>sp</sub>= 45C T<sub>air</sub>= 45C I<sub>f</sub>= 60mA



## Polar Intensity Graph



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