



LED Bulb Series

Features

- Light source: 7 x 1W Cree XRE power LED
- Source life: more than 50,000 hours
- Low heat, no UV or IR light radiation
- Full range of colors
- Homogeneous illumination
- Molded heat sink for excellent heat management
- 7W PAR30 can achieve directional light output equal to 50W incandescent lamp yet consume 80% less power
- RoHS certified
- CE certification approved
- 1 year limited warranty
- Works with worldwide electrical systems (110V or 220V AC)



Note: Picture for Illustration Only




Typical Applications

- Landscape Accent/Spot lighting
- Architectural Lighting
- Display Case Accent
- Art work Lighting
- Mood Lighting/General lighting



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PRODUCT SPECIFICATIONS

LIGHT SOURCE	7 x 1W Cree XRE power LED
OPTICS	7X optical grade PC lens
BEAM ANGLE	30° (Wide Spot)
RENDERING INDEX (Ra)	> 70 (for cool white color)
TOTAL LENGTH	82 mm (including base)
WEIGHT	263 ± 2 g
HOUSING	Molded aluminum with silver finish, 95mm diameter
BASE	E26/E27 Edison screw base
DIMMABILITY	Not Dimmable 

ENVIRONMENTAL SPECIFICATIONS

TEMPERATURE RANGE	Ambient: -20°C to 40°C; Surface of Lamp: 65°C to 70°C
HUMIDITY RANGE	0 to 95% non-condensing humidity

ELECTRICAL SPECIFICATIONS

VOLTAGE REQUIREMENT	100V AC ~ 240V AC
POWER CONSUMPTION	7W

PRODUCT DIMENSIONS (mm)

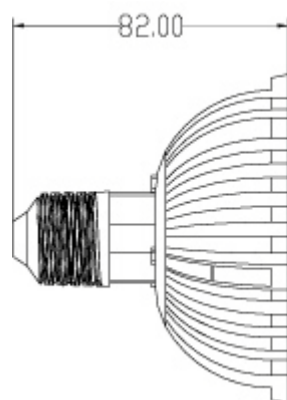


Fig 1. Side View

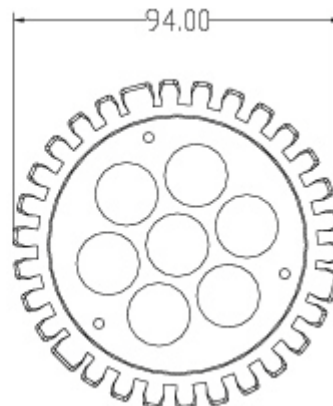


Fig 2. Top View



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Typical Electrical Characteristic at $T_a=25^{\circ}\text{C}$

Parameter	Symbol	Min	Typ	Max	Unit
Input Voltage (AC)	V_{AC}	100	—	240	V
LED Forward Current	I_F	—	330	—	mA
Estimated Life ^[1]		—	50,000	—	hours
Optimized Body Temperature	T	—	65	70	$^{\circ}\text{C}$

Note[*] – Manufacturer projects P-XRE PAR30 spotlight made with Cree XRE LED to maintain an average of 70% lumens maintenance after 50,000 hours. This estimation is made based on data from LED manufacturer

Illumination Characteristics

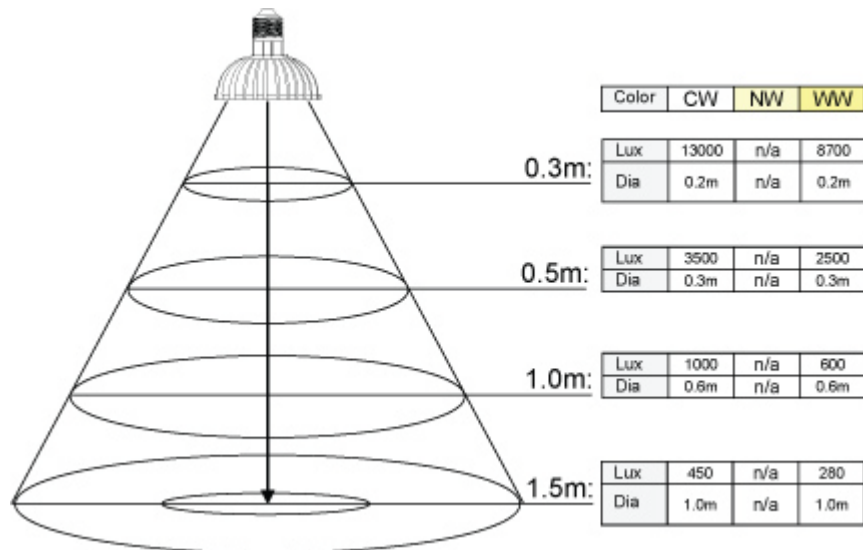


Fig 1. Set up for Illuminance Measurement

Wide Spot Model (30°)

Distance		7W Typical Illuminance Measured at Center of Beam (Lux)					
Dist A (cm)	Dia. B (cm)	Cool White	Warm White	Green	Blue	Red	Yellow
30	20	13000	8700	—	—	—	—
50	30	3500	2500	—	—	—	—
100	60	1000	600	—	—	—	—
150	100	450	280	—	—	—	—
200	130	260	160	—	—	—	—



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Notes: Center beam lux is measured with Digital Lux Meter (Model TES-1334A)