



## LED'S INNOVATE !

*The 6 Watt **EcoLED** is a revolutionary LED bulb capable of producing up to 400 lumens of cool white light, offering the highest lumens per watt light bulb suitable for general illumination market.*

With our "Cool Beam" thermal solutions, specially designed for high performance LED, we are able to maximize the light output of our 6 Watt **EcoLED** while maintaining a very low heatsink temperature of about 68°C. The **EcoLED** features 3 pieces of Cree XRE high power LED.

**EcoLED** fits into any standard E27 socket and housing, hence enables immediate replacement of traditional light bulb without any additional adjustments. Plug and Play.

The **EcoLED** is available in the following light colors:

2800K – 3500K (Warm White)

6000K – 7000K (Cool White)

Red, Yellow, Blue and Green

**EcoLED** advanced heat sink design makes this 6 Watt bulb safer to touch and further enhances the product life to more than 50,000 hours.

**EcoLED** has an optical grade glass diffused lens that allows highest light transmission at a 140° beam angle.



### Features

- **6 Watt LED bulb can achieve light output equal to 50 Watt incandescent light bulb**
- **Highest optical efficiency: 50 Lumen per Watt**
- **No mercury-content or any other non-recyclable materials.**
- **Light source: 3 x 3 Cree XRE power LED**
- **Long LED life: more than 50,000 hours**
- **Low heat, less than 70°C for 6 Watt**
- **No UV or IR light radiation**
- **Homogeneous flood illumination**
- **Aluminum heat fins with superior thermal efficiencies**
- **1 year limited warranty**
- **Safety Standard: CE and RoHS. Kema pending**
- **Works with worldwide electrical systems (100~240V AC)**

### Typical Applications and Markets:

- **Energy Saving Programs/Sustainable Energy**
- **Replace Standard GLS lamps**
- **General Lighting**

PRELIMINARY





## PRODUCT SPECIFICATIONS

<b>LIGHT SOURCE</b>	3 X 3 Cree XRE power LED
<b>OPTICS</b>	Optical grade glass lens
<b>LENS DIAMETER</b>	57.8 mm
<b>BEAM ANGLE</b>	140° (Flood)
<b>RENDERING INDEX (Ra)</b>	>80 (warm white) >70 (cool white)
<b>TOTAL LENGTH</b>	104.3 mm (including base)
<b>WEIGHT</b>	112 g
<b>HOUSING</b>	Molded aluminum with silver paint or anodize finish
<b>BASE</b>	E27 Edison screw base
<b>DIMMABILITY</b>	Not Dimmable

## ENVIRONMENTAL SPECIFICATIONS

<b>TEMPERATURE RANGE</b>	Ambient: -20°C to 40°C; Surface of Lamp: 60°C to 70°C
<b>HUMIDITY RANGE</b>	0 to 95% non-condensing humidity

## ELECTRICAL SPECIFICATIONS

<b>VOLTAGE REQUIREMENT</b>	100 ~ 240V AC
<b>POWER CONSUMPTION</b>	6.5W

## PRODUCT DIMENSIONS (mm)

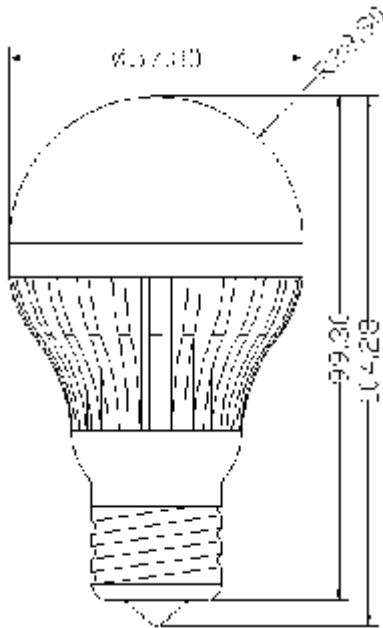


Fig 1. LED Bulb Side View

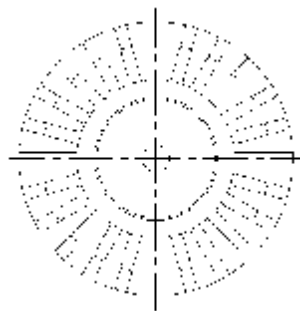


Fig 2. LED Bulb Bottom View

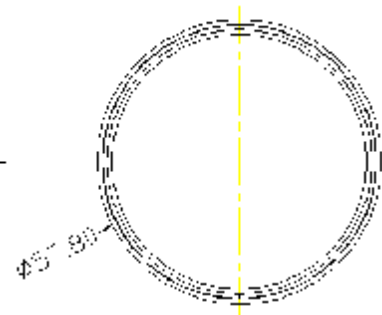


Fig 3. LED Bulb Top View



## PRODUCT ORDERING CODE

**G60X -6W****Color Code K/mm**

Code	Color	WLD/CCT
W	Cool White	6000K~7000K
V	Warm White	2800K~3500K
R	Red	625nm
A	Yellow	595nm
B	Blue	470nm
G	Green	525nm

## 6 Watt PRODUCT CODE

ORDER CODE	Color	Wavelength or CCT (K/mm)	Operating Voltage	LED Power (W)	Typical Luminous Flux (lm)	Typical Illuminance @ 2m (Lux)	BEAM ANGLE
G60W-3X-6W	Cool White	6000K~7000K	100~240V AC	6 Watt	400 lm	14	140° ±2°
G60V-3X-6W	Warm White	2800K~3500K			300 lm	11	
G60R-3X-6W	Red	625 nm			180 lm	N.A.	
G60A-3X-6W	Yellow	595 nm			170 lm	N.A.	
G60B-3X-6W	Blue	470 nm			90 lm	N.A.	
G60G-3X-6W	Green	530 nm			240 lm	N.A.	

Typical Electrical Characteristics at T<sub>a</sub>=25°C

## 6 Watt

Parameter	Symbol	Min	Typ	Max	Unit
Input Voltage (AC)	V <sub>AC</sub>	100	—	240	V
LED Forward Current	I <sub>F</sub>	—	550	—	mA
Estimated Life <sup>[*]</sup>		—	50,000	—	hours
Optimized Body Temperature (3 X 3 Watt)	T	—	66	68	°C

Note[\*] – Manufacturer projects EcoLED lamp 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 Cree Inc. ( [www.cree.com](http://www.cree.com) )



*Lighting solutions that don't cost the earth*

**EcoLED<sup>®</sup> 6 Watt**

Warning to whom it may concern :

Patents, Tradenames/Trademarks in Europe, USA and Asian Countries have been applied for since April 2007.

We shall not hesitate to bring any manufacturing and/or distributing parties infringing our Intellectual Property Rights to Court without prior warning(s) and claim maximal damages and liabilities.

PRELIMINARY