



- 1 x 7 Watt SHARP LED
- More than 50,000 hours life
- 7 Watt LED bulb can achieve directional light output equal to **60 Watt** incandescent bulb
- Low heat, less than 70°C for 7 Watt
- No UV or IR light radiation
- Instant **ON** to 100% brightness
- No Mercury or other Chemical Waste
- Highest optical efficiency: 60Lm/watt for cool white
- Homogeneous flood illumination
- Aluminum heat fins with excellent thermal efficiencies
- The **EcoLED** bulb is available in the following white color temperatures:
2850K – 3000K (Warm White)
6000K – 7000K (Cool White)
- 1 year limited warranty, see our download section
- Safety Standard: **CE** and **RoHS**
- 110 or 220V AC



Typical Applications

- General Lighting
- Home Lighting
- Replace Standard GLS Lamps
- Energy Saving Programs
- Phasing out Edison Bulbs
- Sustainable Energy
- Accent Lighting



PRODUCT SPECIFICATIONS



LIGHT SOURCE	1 x Sharp 7 Watt SHARP power LED
OPTICS	Optical grade glass lens
BULB TYPE	60 mm pear shape (PS)
BEAM ANGLE	120° (Flood)
RENDERING INDEX (Ra)	>70 (warm white) >60 (cool white)
TOTAL LENGTH	E27: 117 mm; B22: 115mm (including base)
WEIGHT	112 ± 2g
HEATSINK	Extruded aluminum with silver anodize finish
BASE TYPE	E27 / B22d
DIMMABILITY	Not Dimmable

ENVIRONMENTAL SPECIFICATIONS

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

ELECTRICAL SPECIFICATIONS

VOLTAGE REQUIREMENT	110 or 220V AC
POWER CONSUMPTION	≤ 7 Watt
POWER FACTOR	> 0.6

PRODUCT DIMENSIONS (mm)

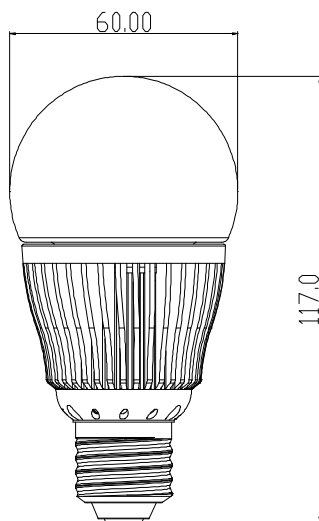


Fig 1. E27 LED Bulb Side View

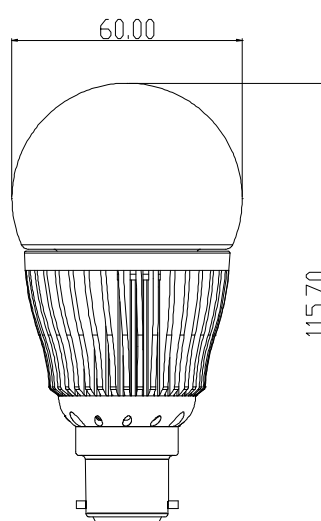


Fig 2. B22 LED Bulb Side View

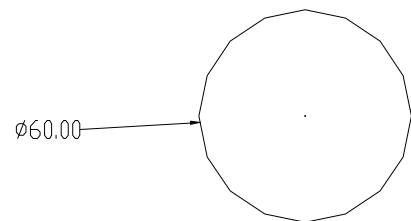


Fig 3. LED Bulb Top View



PRODUCT ORDERING CODE

ORDER CODE	Color	CCT (K)	Base Type	Operating Voltage	LED Power (W)	Typical Luminous Flux (lm)	Typical Illuminance @ 2m (Lux)	BEAM ANGLE
PS60W-E27-8-220/S	Cool White	6000K~7000K	E27	220 VAC	1x6,7 Watt	350 lm	14	120° ±2°
PS60V-E27-8-220/S	Warm White	2850K~3500K				250 lm	15	

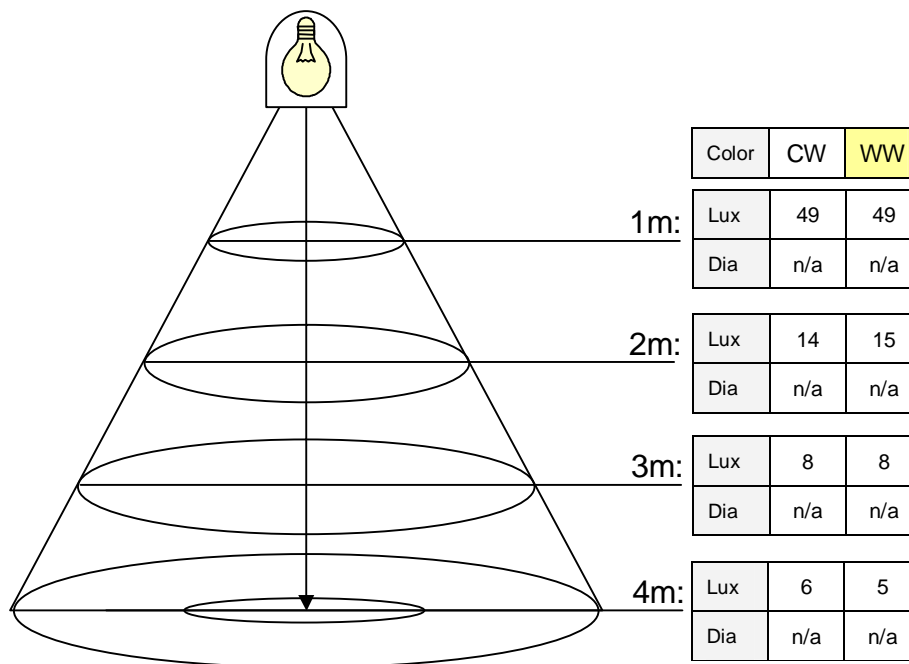
Typical Electrical Characteristics at T_a=25°C

7 Watt Model

Parameter	Symbol	Min	Typ	Max	Unit
Input Voltage (110V AC)	V _{AC}	100	—	120	V
Input Voltage (220V AC)	V _{AC}	200	—	240	V
LED Forward Current	I _F	—	600	—	mA
Estimated Life ^[*]		—	50,000	—	hours
Optimized Body Temperature (7 Watt LED)	T	—	66	68	°C

Note[*]. Manufacturer projects EcoLED lamp made with Sharp SHARP LED to maintain an average of 70% lumens maintenance after 50,000 hours. This estimation is made based on data from SHARP

LED Bulb Illuminance Measurement



- Notes:
- 1) EcoLED Bulb typical illuminance data is measured with the LED bulb installed in recess reflector can.
 - 2) Center beam lux is measured with Digital Lux Meter (Model TES-1334A)



LIMITED WARRANTY

Manufacturer warrants to the Purchaser that each Product manufactured and sold by it will be free from defects in material and workmanship in its intended use (normal wear and tear excepted) for the period of one year from date of Purchaser's purchase (the invoice date) from Manufacturer. Manufacturer's warranty flows only to Purchaser. If any Product covered by this warranty is returned by Purchaser in accordance with Manufacturer's Products Return Policy, including without limitation its return authorization provisions, within the applicable warranty period set forth above, and upon examination Manufacturer determines to its satisfaction that such Product was defective in material or workmanship at the time of delivery to the Purchaser, Manufacturer will, at its option, repair or replace the Product or the defective part thereof, or reimburse Purchaser for the purchase price. For purposes of clarity, "repair or replace the Product or the defective part thereof" does not include any reinstallation costs or expenses. If Manufacturer chooses to replace the Product and is not able to do so because it has been discontinued or is not available, Manufacturer may replace it with a comparable product. The Products Return Policy is posted on Manufacturer's Internet web site at www.linelite.com. The foregoing notwithstanding, Manufacturer will not be responsible for damage to any Product resulting from misuse, negligence, acts of God or accident or resulting from repairs or alterations made by any person or firm not duly authorized by Manufacturer in writing. Purchaser shall convey with each Product distributed to end users the MANUFACTURER'S LIMITED WARRANTY included by Manufacturer with such Product, and, if Manufacturer determines that the appropriate remedy for a defective product is refund of Purchaser's purchase price, Purchaser shall refund to the end user (or arrange for the refund to the end user of) the full purchase price paid by the end user for such defective Product

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WARNING:

Patents in China, Europe, USA and Asian Countries have been applied for since April 2008 and we shall not hesitate to bring any manufacturing or distributing parties infringing our Intellectual Property Rights to Court and claim damages.

Patents Pending Product

7W EcoLED Rev. 1.0a

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