- **7 x 1 Cree XRE**
- **more than 50,000 hours life**
- **Low heat, no UV or IR light radiation**
- **Homogeneous illumination**
- **Machined Aluminum heat fins with excellent thermal efficiencies**
- **7 Watt PAR 20 E27 can achieve directional light output equal to 50 Watt incandescent lamp**
- **The 7 Watt PAR 20 E27 Lamp is available in the following color temperatures:**
  2800K – 3500K (Warm White)
  6000K – 7000K (Cool White)
- **Safety Standard: CE, and RoHS**
- **1 year limited warranty**
- **240V AC**

Typical Applications

- **Shop / Retail Lighting**
- **Energy Saving Programs**
- **Sustainable Energy**
- **Spot Lighting**
- **Showroom Lighting**
- **Museum Lighting**
- **Hotel / Reception Areas**
- **Home Lighting**
- **Commercial Lighting**
- **General Lighting**
- **Effects Lighting**

RoHS COMPLIANT

AC 110/220V IP40

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www.linelite.com

PRODUCT SPECIFICATIONS

LIGHT SOURCE	7 x 1 Watt Cree XRE LED
OPTICS	1 x Optical Grade Cluster lens
BEAM ANGLE	30° (Wide Spot)
RENDERING INDEX (Ra)	> 70 (for cool white color)
TOTAL LENGTH	105 mm (including cap)
WEIGHT	195 g
HOUSING	Extruded aluminum with silver finish, 75mm diameter
BASE	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	240V AC
POWER CONSUMPTION	≤ 8W

PRODUCT DIMENSIONS (mm)

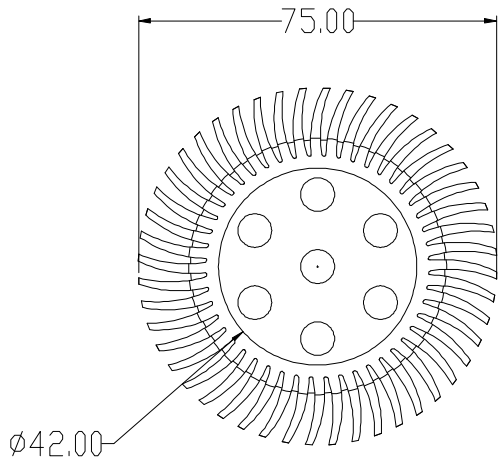

Fig 1. Front View

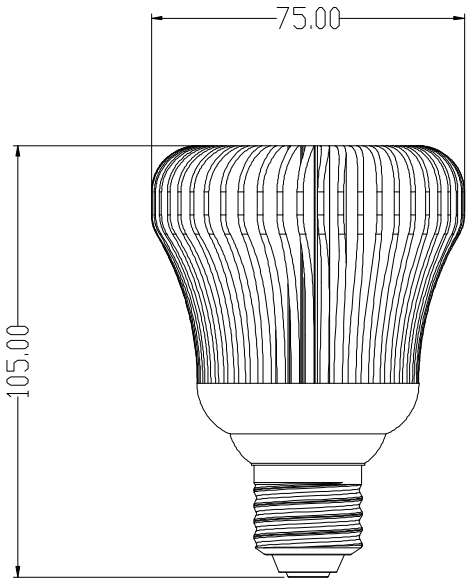

Fig 2. Side View

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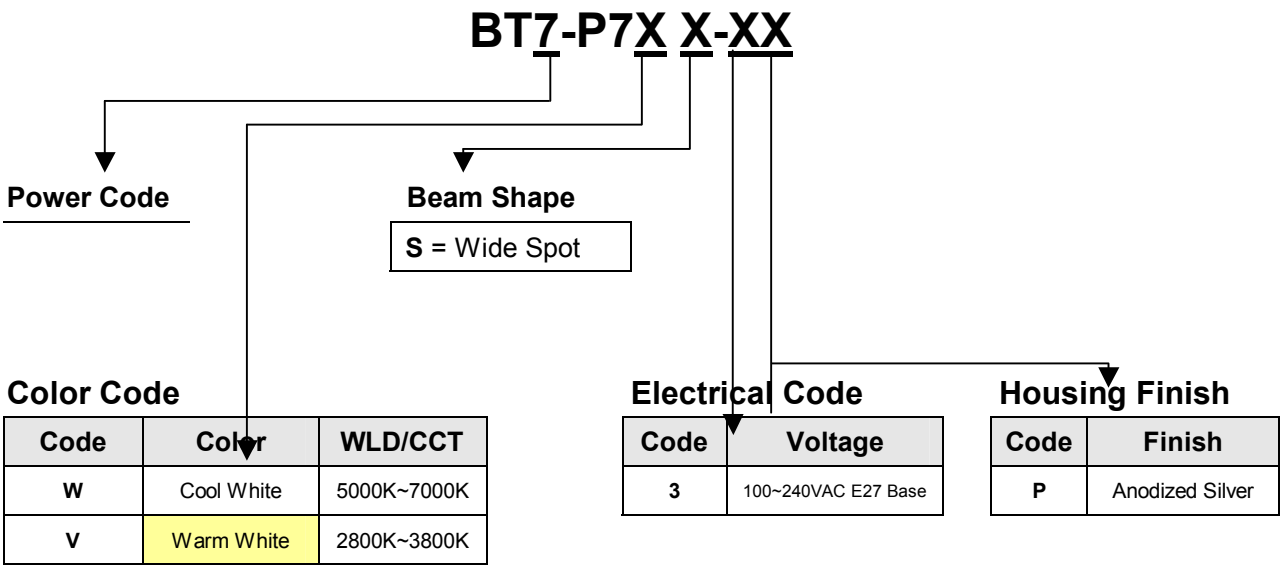
PRODUCT ORDERING CODE



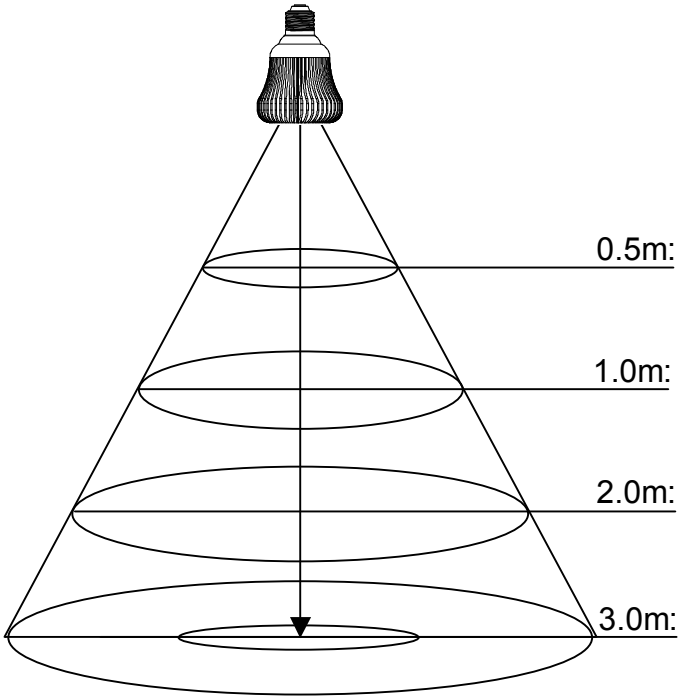
7X1W P7 PRODUCT CODE

ORDER CODE	Color	Wavelength or CCT (nm/K)	Operating Voltage	LED Power (W)	Typical Luminous Flux (Lm)	Typical Illuminance @ 1m (Lux)	BEAM ANGLE
BT7-P7 WattS-3P/XRE	Cool White	5000K~7000K	240 V AC	7 x 1W	320 Lm	1300	30° ±2°
BT7-P7VS-3P/XRE	Warm White	2800K~3800K			280 Lm	1250	

Typical Electrical Characteristics at T_a=25ºC

Parameter	Symbol	Min	Typ	Max	Unit
Input Voltage (AC)	V_{AC}	100	–	240	V
LED Forward Current	I_F	–	300	–	mA
Estimated Life[6]		–	40,000	–	hours
Optimized Body Temperature	T	–	65	70	°C

Illumination Characteristics For 30° Model



Color	CW	WW
Lux	4840	4500
Dia	0.1m	0.1m
Lux	1300	1250
Dia	0.15m	0.15m
Lux	340	310
Dia	0.25m	0.25m
Lux	150	140
Dia	0.45m	0.45

Fig 1. Set up for Illuminance Measurement

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