

R & C Agency International Pty Ltd

Specification

LED/GUI10/5WHPCW

LED/GUI10/5WHPWW

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5W GU10 HIGH POWERED LED

R & C 5 Watt GU10 high powered LED lamp was integrated with the most advanced LED sources, assembled with the key components of driver (power), thermal and optic, 5 Watt GU10 high powered LED provides the quantity and quality of light produced by traditional halogen lamp.

LED Source – Energy Saving, Trusty Life and True Colour

Selected R & C LED light source were manufactured by leading LED companies such as, Nichia, Cree and Lumileds. LED source which R & C collected is not less than 80lm/W and true colour, C.R.I + 75.

Driving Source – Energy Saving, Life, Reliability & Safety

R & C is an import company that imports drivers and controllers. To meet the life standard of LED and produce the most energy saving lamp source, all integrated drivers for R & C bulbs reach power efficiency 75 - 85%, components life >50K hr under 80 degrees centigrade. Our LED conformed to the EMI and safety principle in the advanced countries.

Thermal – Life, Reliability

A good thermal management for a LED lamp source was consisted by different factors including LED emitting efficiency, driver efficiency, thermal design and materials characteristic.

Features

- High C.R.I > 75
- Long Life, min 20 Khrs up to 50K hrs
- Various beam angel: 20 $\frac{1}{2}$ degrees (26 degree)
- Replacement with 35W Halogen
- Energy Saving, Total power consumption up to 5 Watt
- No UV or IR
- RoHS Compliant



Specification

PART NUMBER	LED TYPE	COLOUR TEMP.	C.R.I./ MIN.	INPUT VOLATGE	POWER CONSUMPTI ON	BEAM ANGLE 2θ1/2	LUMENOUS FLUX	LAMPHOLDE R
	CREE	2580K-3500K 4000K-4500K 5500K-6500K	85/80	100 - 240VAC	4.5W - 5.0W	26	270 / 240	GU10

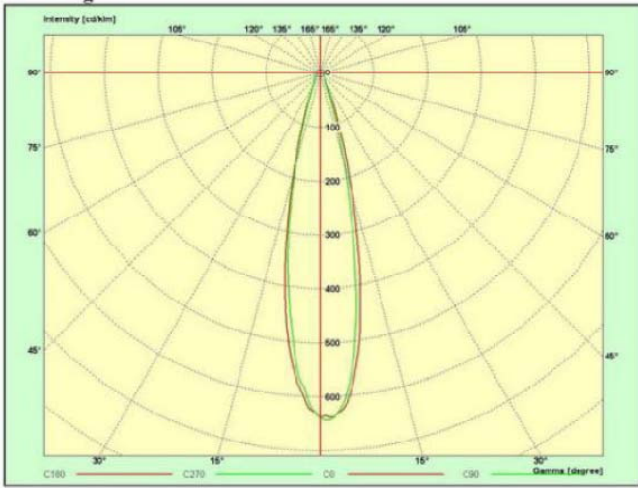
Typical Illumination Characteristic

PART NUMBER	COLOUR	BEAM ANGEL 2θ1/2	CANDELA cd / klm	ILLUMINATION (LUX) / SPOT DIAMETER						
				30 cm	50 cm	100 cm	150 cm	200 cm	250 cm	280 cm
	COOL WHITE	26	606	7330 / 30cm	2510 / 50 cm	606	264	150	89.5	73.3
	WARM WHITE	26	472.6	5717 / 30cm	1957 / 50 cm	472.6	205.9	117	69.8	57.1

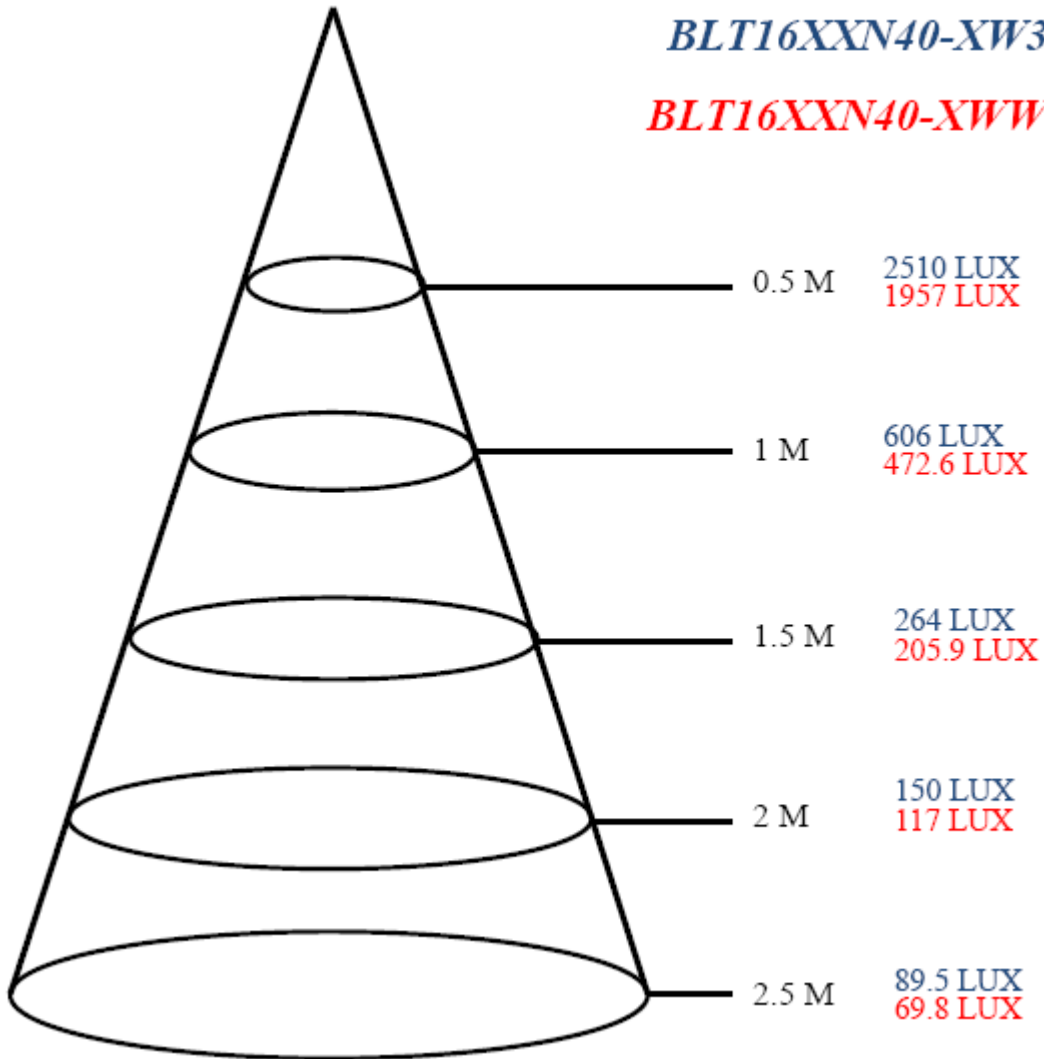
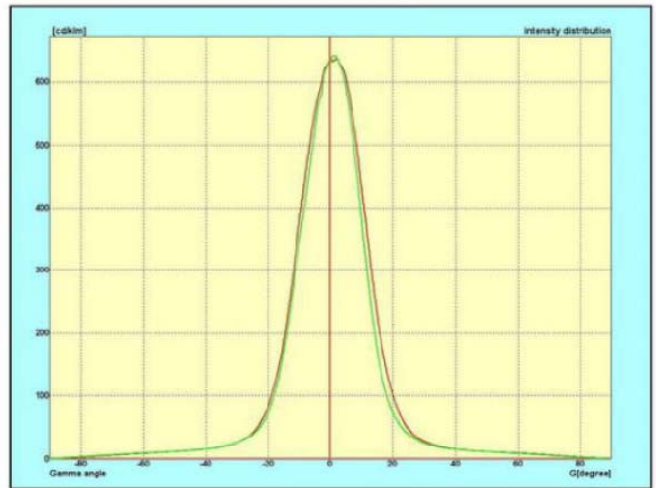
Electrical / Environmental Characteristic

PART NUMBER	IF INPUT VOLTAGE	WORKING VOLTAGE	LED POWER CONSUMPTION	TOTAL POWER CONSUMPTION	OPERATING TEMPERATURE
	220VAC	100 - 240AC	3.9W	4.5 - 5.0W	-40 DEGREES - +40 DEGREES C

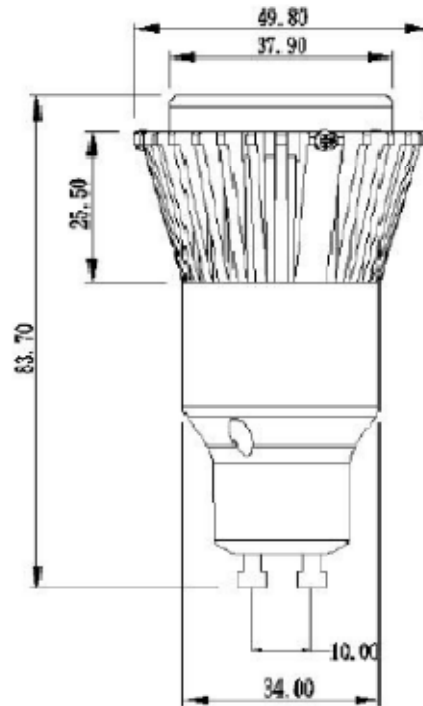
1. Polar Diagram



2. Certesian Diagram



Mechanical Dimension (mm)






Fixture Compatibility

The LED GU10 5W lamp is not compatible with all GU10 fixtures. Before installation, please read the following guidelines:

- GU10 5W High Powered LED cannot be install in sealed fixtures
- GU10 5W High Powered LED cannot be install in outdoor fixtures
- GU10 5W High Powered LED is not designed for use in wet environment
- GU10 5W High Powered LED cannot be install in a fixture which an integral primary optics to focus the light

Safety & Environment Specifications

GU10 5W High Powered LED bulbs are manufactured to conform safety criteria for CE, FCC approbations & RoHS:

Certificated Mark	Item of certificated standard
	EN60968-1, EN60598-1, EN61347-2-13
	EN55015, EN61000-3-2, EN61000-3-3, EN61547 (IEC61000-4-2, IEC61000-4-3 IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8, IEC61000-4-11)
	EMC : Cispr15; LVD: IEC 60598-1, 6th edition (2003) + Amendment 1(2006) · IEC 60598-2-4, 2nd edition (1997) IEC 60598-1, 6th edition (2003) + Amendment 1(2006)
F.C.C	PART 15B
RoHS	BTRS0605180105 Test Standard:2002/95/EC ; EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, EPA7196, EPA7196, EPA3540C, EPA8270C



Life, Reliability and Lumen Maintenance

