

Datasheet

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History

Version	Date	Note
0.1	2014-08-19	The initial version

Notes:

Hardware Version

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Fig.1 ZC07 Appearance

Introduction

ZC07, a wireless dimmable LED bulb, is a robust light bulb based on ZigBee technology. ZC07 utilized E27 screw base and has 256 dimmable light levels. It is a long life LED bulb and has light weighted power consumption comparing to conventional light bulbs. ZC07 acts as a Router Device in ZigBee network. It performs the On/Off /Dimmer controlling feature.

Applications

Home or commercial indoor dimming lighting.

Electric

Rate Voltage	110~265VAC
Power Frequency	50~60Hz
Supply Current	32mA±5mA
Rate Power	5W±0.8W
Power Factor	>0.5

Wireless Dimmable LED Bulb

LED Drive current	115mA±10mA
Illuminance	400lm
CCT	6000K
Beam Angle	135°
CRI	>80
Lifespan	15000Hrs
Dimmerable Level	256

Frequency

Frequency	2.4~2.4835 GHz
Channel	16 (ISM 11~26)
TX power	7dBm (max)
Rx sensitivity	-101dBm
Antenna type	Build-in antenna
Communication rang	100 m (line-of-sight)
Data transfer rate	250Kbps
Spread technique	DSSS (O-QPSK)

Physical

Dimension	Φ55±2 × 103±2 (Unit: mm)
weight	70g±7g
Base Type	E27
Lamp body plastic material	PBT
Lampshade material	PC
Cooling methods and material	Plastic embedded aluminum
Operating Ambient:	10~95%RH
Working Temp.	-20°C ~ 40°C
Storage Temp.	-20°C ~ 50°C