

Specification Sheet for the SMD LED Downlight

BES SMD Downlights use a SMD3020 as the light source and aluminum alloy for the shell. The external cover is brushed with an oxidation finish and is highly polished, which can ensure the outstanding performance of Heat Dissipation but also with elegant appearance.

Meanwhile, the main features include low heat, lower power consumption, energy saving, long lifespan etc. White, Warm white and Cool white are available. It is easy to install and uses an external LED driver.



Certificates

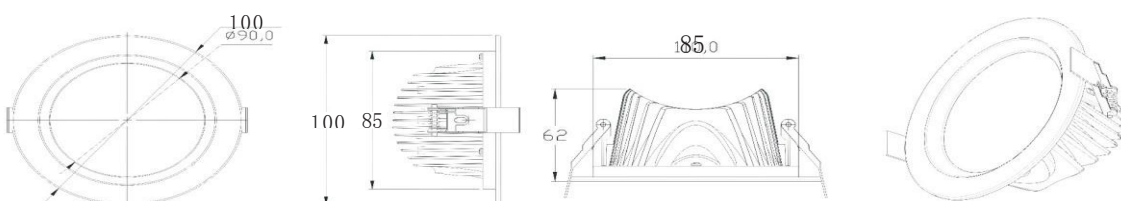
CE, RoHS, GS, CB, ERP

Application

- Hotels
- Shopping Centers
- Commercial Buildings
- Underground Parking
- Corridors
- Clubs,
- Many other indoor applications.



Dimension (Unit:mm)

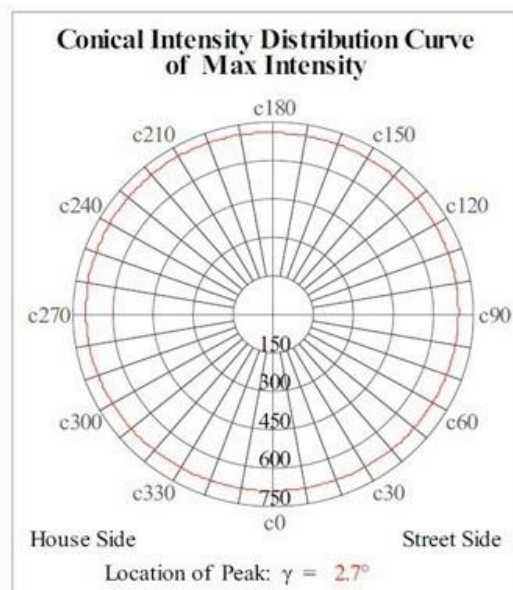
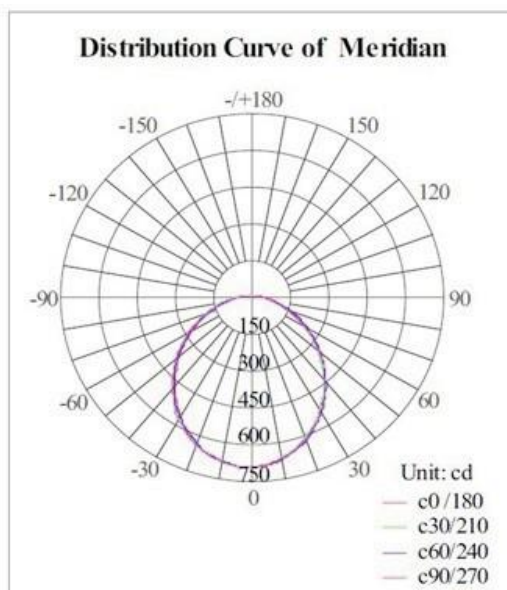


Technical Specifications

1: Electrical Data

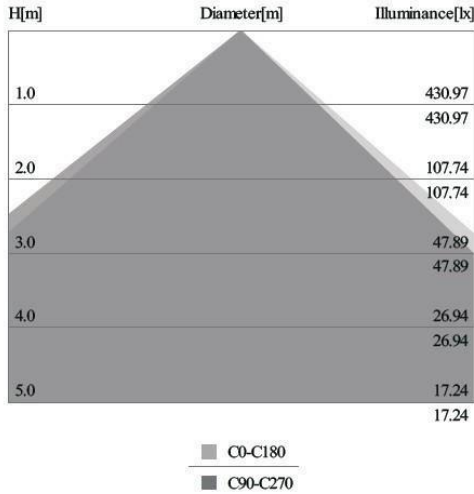
Item No.	BES.DL.S2.7W	
	Ø	
Dimension	100x65mm	
Construction Hole Size	85mm	
Voltage	AC85V-265V 50/60HZ	
Power	7W	
LED Type	SMD3020	
LED Quantity	10pcs	
Luminous Flux	Warm white	> 500lm
	Neutral white	> 550lm
	Pure White	> 550lm
Color Temperature (CCT)	Warm white	2800-3500K
	Neutral white	3800-4500K
	Pure White	5500-6500K
Beam Angle	120°	
Color Rendering Index (CRI)	Ra>80	
Power Supply Efficiency	>90%	
LED Luminous Efficiency	Up to 80lm/W	
Power Factor (PF)	>0.95	
Total Harmonic Distortion (THD)	≤15%	
IP Rank	IP 50	
Net weight	0.2kgs	
Certificate	CE,RoHS, GS,CB, ERP	
Material	Die casting alloy shell plate + PC	

2: Light Distribution Curve & Max CD Distribution Curve



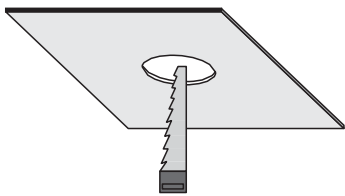
3: Illumination Diameter

Illumination Cone Curve

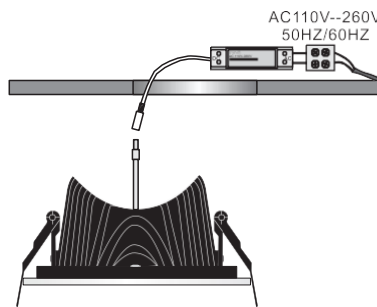


Installation Instruction

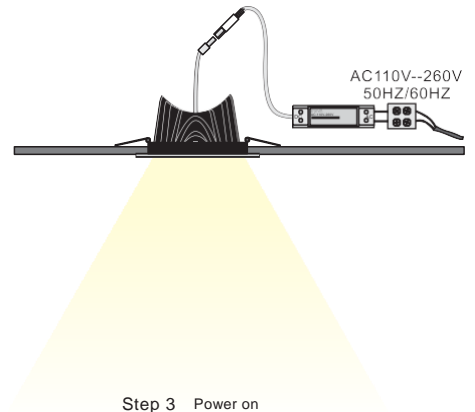
Warning: Before installation, please make sure the power is turned off.



Step 1 Cut the hole



Step 2 Connect the power supply



Step 3 Power on

Packaging Information

Item	Single Box Packing			Carton Package		
	QTY/ Box	Box Size	G. W.	QTY/ CTN	Carton Size	G. W.
BES.DL.S2.7W	1 pcs	165x135x80 mm	0.35kg	30	670X330X340	11.5

Compliance

1. Insulation Resistance

The IR shall be at least 50MΩ when applied 500Vdc between primary and secondary

2. Dielectric Strength (Hi-pot)

Input to Output 37-50V ac 60Hz 1 minute ≤3MA

When the AC voltage of 3.75KV is applied, and the voltage applied to the insulation under test it is gradually raised from zero to the prescribed voltage in 1s, and held at that value for 60s between the inputs and output and between the input and housing, the current sensitivity shall be less than 5mA. After this test, the adapter shall exhibit no electrical and mechanical abnormalities.

3. Leakage Current

The leakage current shall be less than 0.25mA for class II when power supply is operated maximum input voltage and maximum load.

4. Safety Standards

IEC: 60598-1:2008 IEC61347-1/A1:2010 IEC61347-2-13:2006 IEC62031:2008 IEC62471:2006 IEC62471-2:2009: Passed

EN60598-1/A11:2009 EN61347-2-13:2006 EN61347-1/A1:2011 EN62031:2008 EN62471:2008; EN61195:1999 EN62493:2010: Passed

5. EMI/EMS Standard

EN55015: Passed

EN61000-3-2: Passed

EN61000-4-2: Passed

Warranty

A 5-year warranty from the date of purchase is offered for BES LED panels.

Under the terms of this warranty, if the product has a failure occurring under normal usage within the warranty period, BES will provide a free maintenance service based on the proof of documents and the invoice (copy) along with the failed product.

BES will provide maintenance at a fee if it falls under the below conditions set out within the warranty.

Failure or damage due to force or misuse.

Failure or damage due to transportation or unloading.

Failure or damage due to incorrect usage or failing to comply with the User's Guide and Cautions.

Failure or damage due to demolition, repair, alteration without the Manufacturer's authorization.

Please deliver the failed product within the original packing to qualify for the free maintenance service; BES will not be responsible for any failure or damage in transportation if the customer uses the non-original packaging or improper packaging.

BES reserves the rights for final explanation of aforesaid terms.

Caution: BES will not be responsible for any other failure or damage caused by incorrect usage.

Remarks:

For more information please consult BES by mail: sales@brightenergysolutions.co.uk

Or call the BES sales team on 0203 397 8785