



# ShenZhen Bang-Bell Electronics Co., Ltd.

LED Street Lights, LED Light Bulbs, LED Traffic Lights, Manufacturer, Supplier and Exporter since 1998.

## BBE SD2 – High Power LED Tunnel Light



### Features / Benefits

- ▼ **Low Power Consumption - 56W**
- ▼ **High Brightness** - Up to **4,200 Lumens**, **8 TIMES** than the incandescent lamps
- ▼ **Long Life** - Up to 50,000 Hours, adopted the PWM constant current power, protect the LEDs efficiently
- ▼ **Robust Design** - shock and vibration resistant
- ▼ **Light Beam** - Low heat generated/No UV, adopted the integrative lamp cup & radiator, scatter heat quickly
- ▼ **Easy Installation** - With the adjustable hoop, which can easy to install on any kind of lamp pole
- ▼ **Save Money** - Reduces labor and maintenance costs
- ▼ **High Efficiency** – Power Factor>90%, THD<9

Model Number	SD2
Input Voltage	85-264VAC
Frequency Range	47~63 Hz
Power Factor(PF)	>0.9
Total Harmonic Distortion(THD)	<20%
Power Efficiency	85%
LED Working Voltage	24VDC
LED Consumption	56W
Power Supply Consumption	10W
LED Luminous Efficiency	>80LM/W
LED Initial FLux	5,000lm (TJ=25°C)
LED Maintain FLux	4,600lm(TJ=60°C, Ta=25
Lamp's FLux	4,200lm(TJ=60°C, Ta=25°C)
Lamp's Efficiency(%)	>90%
Illumination(E)	(Height=4m):≥80Lux(The equivalent of high pressure sodium lamp 200 Lux) (Height=5m): ≥38 Lux (The equivalent of high pressure sodium lamp 95 Lux) (Height=6m): ≥26 Lux (The equivalent of high pressure sodium lamp 65 Lux) (Height=7m): ≥20 Lux (The equivalent of high pressure sodium lamp 50 Lux) (Height=8m): ≥15 Lux (The equivalent of high pressure sodium lamp 38 Lux)
Effective Illuminated Area	(Height=4m):13×5m (Height=5m):16×6m (Height=6m):20×8m (Height=7m):23×9m (Height=8m):26×10m
Color Temperature(CCT)	Pure White:5,000~7,000K,Warm White:3,000~4,000K
Color Index(CRI)	>75
Light Source	BBE Emitter(1 Watt)
Light Distribution Curve/Beam Pattern	Asymmetric(Bat Wing)/Rectangular Beam
The Maximum Light Intensity Angle	The Horizontal Axis:110°, The Vertical Axis:45°
Light Beam Angle	The Horizontal Axis:120°, The Vertical Axis:60°
Junction Temperature(Tj)	60°C±10%(Ta=25°C)
System Resistance(Rja)	0.5°C/W
Working Temperature	-30°C~50°C
Working Humidity	10%~90%RH
Storage Temperature	10°C~85°C
Working Life	>50,000Hrs
Light Body & Lampshade Material	Aluminum Alloy and PC



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**BBE**

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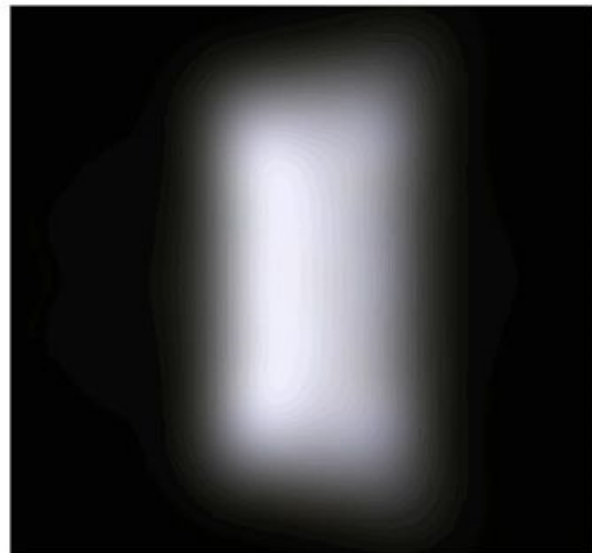
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The Beam Pattern is rectangular (rectangle) and good illumination uniformity, brightness difference is very little between the spot of center and periphery. Almost no difference in the direction of extending the road completely with the continuous extension of the road, it is the ideal lighting lamps for road lighting.

Horizontal Installation



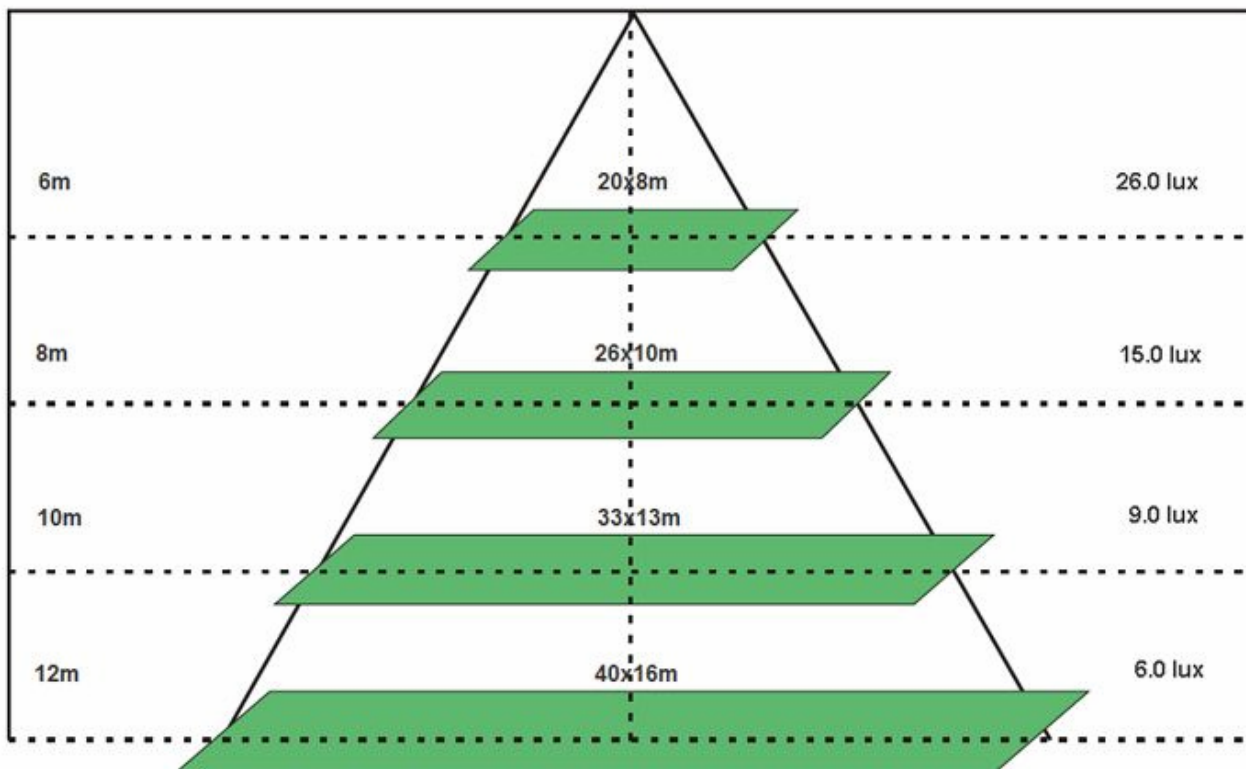
Inclined Installation



Height

Lighting Area

Illuminance



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