


**Brief Introduction**

LED Tunnel Light, is a new, energy-saving product that utilizes high power led's as light source, as one of the earliest China LED Street Light Manufacturers, Suppliers and Exporters, we are the first China LED Street Light factory who invented our BBE LED Street Light in 2006, it can be directly connected with a 85-264VAC power supply and can also be powered with the optional solar panel kit. The LED color spectrum, there is no ultraviolet light, no infrared rays, no heat, and no radiation produced. As a result, our LED Tunnel Light series is a conventional "green" lighting source.




	<b>Model Name</b>	<b>LED Tunnel Light</b>
	Model No.	SD96
	Rated Power Consumption	120W
	Luminous Flux	9,400lm
	Rated Input Voltage	100-240VAC
	Life Spam	>50,000 Hours
	IP Rating	IP65
	Certificates	CE, RoHS, UL Pending
	MOQ	5 pcs
	Payment Term	T/T, L/C
Warranty	36 Months	



**Specification**

Model Number	SD96
Input Voltage	100-240VAC
Frequency Range	47~63Hz
Power Factor(PF)	>0.95
Total Harmonic Distortion ( THD)	<15%
Power Efficiency	≥90%
Working Voltage	48VDC
LED Consumption	100W
Power Supply Consumption	20W
LED Luminous Efficiency	≥100lm/w
LED Initial Flux	10,000lm (Tj=25°C)
LED Maintain Flux	9,600lm(Tj=60°C, Ta=25°C)
Lamp's Flux	9,400lm(Tj=60°C, Ta=25°C)
Lamp's Efficiency (%)	>90%
Illumination (E)	(Height=5m) ≥89.0 Lux (Replace Sodium light of 225 Lux) (Height=6m) ≥61.0 Lux (Replace sodium light of 150 Lux) (Height=7m) ≥45.0 Lux (Replace sodium light of 110 Lux) (Height=8m) ≥34.0 Lux (Replace sodium light of 85 Lux)
Effective Illuminated Area	(Height=5m): 16 x 6m

	(Height=6m): 20 x 8m (Height=7m): 23 x 9m (Height=8m): 26 x 10m (120 degree lens)
Color Temperature	Pure White: 5,000~5,800K; Warm White :4,000~4,500K
Color Index(CRI)	Ra> 65
Light Source	BBE Emitter (1Watt)
Light Distribution Curve/Beam Pattern	Asymmetric (Bat Wing)/ Rectangular Beam
The Highest Light Intensity Angle	120°:The Horizontal Axis:110°, The Vertical Axis:45°; 140°:The Horizontal Axis:130, The Vertical Axis:45°
Beam Angle	120°:The Horizontal Axis:120°, The Vertical Axis:60°; 140°:The Horizontal Axis:140°, The Vertical Axis:60°
Junction Temperature(Tj)	60 °C ±10 % ( Ta=25°C)
System Resistance (Rja)	0.23°C/W
Working Temperature	-30 ~ 50
Working Humidity	10%~90% RH
Storage Temperature	10 ~85°C
Working Life	50,000 Hrs
Light Body& Lampshade	Aluminum Alloy and PC
The Dimensions(Units:mm)	660(L) x 320(W) x 250(H)
Net Weight	15 Kgs
IP Rating	IP65
Packing	1 pc /Carton
Carton Size	760 x 340 x 275 mm
Container Q'ty (pcs)	20'Q: 351 pcs 40'Q: 711 pcs, 40'HQ: 790 pcs

**Special Features**

	<p><b>1. Special Air Convection Heat Sink Design</b></p> <p>BBE new series LED Tunnel Light, fully utilize convection by the air flow brought by cars movement and wind through tunnel. The unique design enlarges the heat sink area, the external power supply make the discharge of heat more easily.</p>
	<p><b>2. Constant Voltage and Current</b></p> <p>Power supply was designed base on system with constant voltage and current ,which can protect the LED very well and make LED omit more light and produce less heat, ensure the long working life of LED Tunnel Light, make energy saving, environment protecting into reality.</p>
	<p><b>3. Rectangular Beam Focusing Lens</b></p> <p>BBE LED Tunnel Light originates the rectangular beam pattern focusing lens, it is a patent design. There guarantees no darkness between each lamp, it is the best for street illumination, meanwhile, sharply increases the usage efficiency of light.</p>

	<p><b>4. Adjustable Installation Angle</b></p> <p>BBE LED Street Light can be mounted with different angles by only sliding the metal block, which is more reasonable for the installation and much better for street illumination.</p>
	<p><b>5. Eutectic Soldering Packaging</b></p> <p>BBE LED Tunnel Light is eutectic soldering packaging, it is the most advanced led packaging technology in the world and much better for the high power led packaging than the traditional silver epoxy packaging. The eutectic packaging can dissipate the heat much quicker, guarantees the high brightness and long life.</p>



**Shenzhen Bang-Bell Electronics Co., Ltd.**

Add: Building C, JinXiongDa Industrial Park, Huan'guan South Road, Guanlan Town, Bao'an District, Shenzhen, Guangdong, China.

Tel.: (86 755) 2958 8988 Fax: (86) 755 2958 8616 Mobile: 0086 138 2317 7749

E-mail: [jasonyang@bbeled.com](mailto:jasonyang@bbeled.com) Website: [www.bbeled.com](http://www.bbeled.com) MSN: [jasonyang1977@hotmail.com](mailto:jasonyang1977@hotmail.com)