

**Brief Introduction**

LED Street 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 Street Light series is a conventional "green" lighting source.










Model Name	LED Street Light
Model No.	LD96
Rated Power Consumption	120W
Luminous Flux	8,800lm
Rated Working Voltage	100-277VAC
Life Spam	>50,000 Hours
IP Rating	IP65
Certificates	CE, RoHS, UL Pending
MOQ	5 pcs
Payment Term	T/T, L/C
Warranty	60 Months
Photocell on/off	Optional

**Specification**

Item \ Model	LD96
Input Voltage	AC 100 ~ 240 V
Frequency Range	47 ~ 63 Hz
Power Factor(PF)	≥0.95
Total Harmonic Distortion (THD)	<10%
Power Efficiency	≥85 %
Working Voltage	48V DC
LED Consumption	100 W
Power Supply Consumption	20 W
LED Luminous Efficiency	≥100 lm/w
LED Initial Flux	10,600 lm ( Tj=25°C )
LED Maintain Flux	9,800 lm ( Tj=70°C, Ta=25°C)
Lamp Output Flux	8,800 lm ( Tj=70°C, Ta=25°C)
Lamp's Efficiency ( %)	>90 %

<p>Illumination ( E )</p>	<p>120 degree                      (Height=6m )≥61 lux ( Equal to HPS 152.5 lux )                      (Height=8m ) ≥34 lux ( Equal to HPS 85 lux )                      (Height=10m )≥22 lux ( Equal to HPS 55 lux )                      (Height=12m )≥15 lux ( Equal to HPS 37.5 lux )</p> <p>140 degree                      (Height=6m )≥45 lux ( Equal to HPS 112.5 lux )                      (Height=8m ) ≥25 lux ( Equal to HPS 62.5 lux )                      (Height=10m )≥16 lux ( Equal to HPS 40 lux )                      (Height=12m )≥11 lux ( Equal to HPS 27.5 lux )</p>										
<p>Effective Illuminated Area</p>	<table border="0"> <tr> <td>120 degree</td> <td>140 degree</td> </tr> <tr> <td>20×8m (Height=6m)</td> <td>24×9m (Height=6m)</td> </tr> <tr> <td>26×10m (Height=8m)</td> <td>32×12m (Height=8m)</td> </tr> <tr> <td>33×13m (Height=10m)</td> <td>40×15m (Height=10m)</td> </tr> <tr> <td>40×16m (Height=12m)</td> <td>47×18m (Height=12m)</td> </tr> </table>	120 degree	140 degree	20×8m (Height=6m)	24×9m (Height=6m)	26×10m (Height=8m)	32×12m (Height=8m)	33×13m (Height=10m)	40×15m (Height=10m)	40×16m (Height=12m)	47×18m (Height=12m)
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<p>Color Temperature</p>	<p>Pure White: 5,000 ~ 5,800K, Warm White: 4,000 ~ 4,500K</p>										
<p>Color Index(CRI)</p>	<p>Ra&gt;65</p>										
<p>Light Source</p>	<p>BBE Emitter ( 1 Watt )</p>										
<p>Light Distribution Curve / Beam Pattern</p>	<p>Asymmetric (Bat Wing) / Rectangular Beam</p>										
<p>The Highest Light Intensity Angle</p>	<p>120°: The Horizontal Axis: 110°, The Vertical Axis: 45°                      140°: The Horizontal Axis: 130°, The Vertical Axis: 45°</p>										
<p>Beam Angle</p>	<p>120°: The Horizontal Axis: 120°, The Vertical Axis: 60°                      140°: The Horizontal Axis: 120°, The Vertical Axis: 60°</p>										
<p>Junction Temperature ( Tj )</p>	<p>60 ° C ± 1 0% ( Ta= 25 ° C )</p>										
<p>System Resistance ( Rja )</p>	<p>0.5 ° C / W</p>										
<p>Working Temperature</p>	<p>- 30 ° C ~ 50 ° C</p>										
<p>Working Humidity</p>	<p>10 % ~ 90 % RH</p>										
<p>Storage Temperature</p>	<p>10 ° C ~ 85 ° C</p>										
<p>Working Life</p>	<p>&gt; 50,000 Hrs</p>										
<p>Light Body &amp; Lampshade Material</p>	<p>Die-casted Aluminum and PC</p>										
<p>Lamp Base</p>	<p>V Clamp</p>										
<p>The Unit Dimensions</p>	<p>874(L) x 320(W) x 140(H) mm</p>										
<p>Packing Dimensions</p>	<p>1000(L) x 430(W) x 310(H) mm</p>										
<p>Net Weight (g)</p>	<p>16.5kg</p>										
<p>Gross Weight</p>	<p>19.3kg</p>										
<p>IP Rating</p>	<p>IP 65</p>										

## Special Features

	<p><b>1. Modularization</b> BBE LED Street Light is made in modularization, which is very easy for discharge and re-assembly, so it is easy for maintenance. When there is some damage, you can just replace the broken module, no need to replace the whole lamps, so it saves you more costs. And it is very convenient for you to make a new lamp by yourselves.</p>
	<p><b>2. Rectangular Beam Focusing Lens</b> BBE LED Street 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>3. Air Convection Heat Sink Design</b> Fully utilize convection by the air flow brought by cars movement, helping the heat dissipation. The unique design enlarges the heat sink area, the external power supply make the discharge of heat more easily.</p>
	<p><b>4. Constant Voltage and Current</b> 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, make energy saving, environment protecting into reality.</p>
	<p><b>5. Adjustable Installation Angle</b> 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>6. Easy Cable Connecting</b> BBE LED Street Light is people-oriented, there is a small cover at the top for the easy cable connecting, saves more time for installation.</p>
	<p><b>7. Eutectic Soldering Packaging</b> BBE LED Street 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>



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