

# LED Tunnel Light – SD96

LED Tunnel Light, is a new, energy-saving product that utilizes high power led's as light source, 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 are a conventional "green" lighting source.



<b>Model Name</b>	<b>LED Tunnel Light</b>
Model No.	SD96
Power	96W
Consumption	
Luminous Flux	10,000lm
Working Voltage	100-240VAC
Life Span	>50,000 Hours
IP Rating	IP65
Certificates	CE, UL Pending
MOQ	5 pcs
Payment Term	T/T, L/C
Warranty	3 years

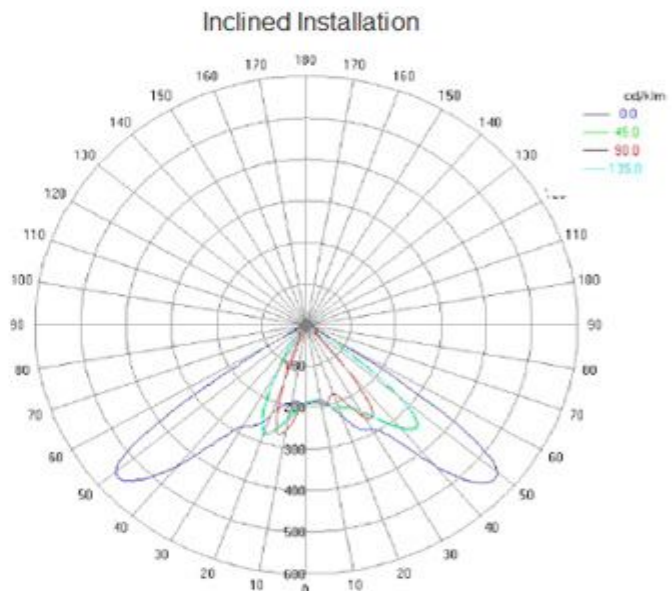
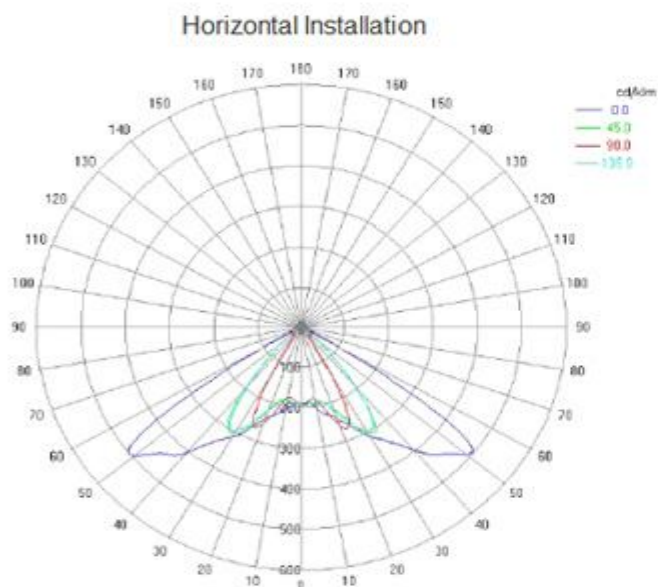
## SPECIFICATIONS

Model Number	SD96									
Input Voltage	100-240VAC									
Frequency Range	47~63 Hz									
Power Factor(PF)	>0.95									
Total Harmonic Distortion(THD)	<10%									
Power Efficiency	90%									
LED Working Voltage	48VDC									
LED Consumption	100W									
Power Supply Consumption	120W									
LED Luminous Efficiency	>90LM/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)	≥76	Lux	(Replace	Sodium	light	of	132	Lux)	
	(Height=6m)	≥62	Lux	(Replace	sodium	light	of	45	Lux)	
	(Height=7m)	≥53	Lux	(Replace	sodium	light	of	33	Lux)	
	(Height=8m)	≥47 Lux (Replace sodium light of 33 Lux)								
Effective Illuminated Area	(Height=5m):	16							x	8m
	(Height=6m):	20							x	8m
	(Height=7m):	23							x	9m
	(Height=8m):	26 x 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°C, The Vertical Axis:45°C
Light Beam Angle	The Horizontal Axis:120°C, The Vertical Axis:60°C
Junction Temperature(Tj)	60°C±10%(Ta=25°C without wind)
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
Dimensions(mm)	320(L) × 250(W) × 320(H)
Net Weight	9.5 Kgs
IP Rating	IP65
Packing	1 pc /Carton
Carton Size	600 x 250 x 320 mm
Container Q'ty (pcs)	20'Q: 430 pcs 40'Q: 8,90 pcs, 40'HQ: 1,046 pcs

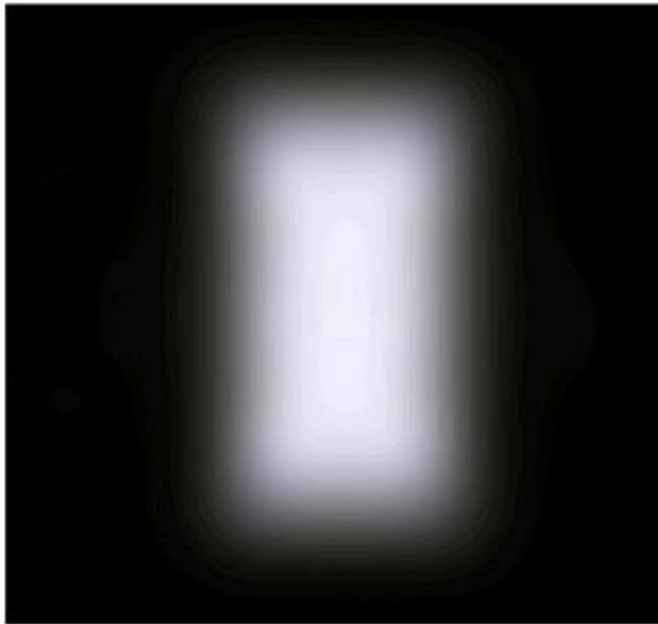
### CURVES AND BEAM PATTERNS

Bat-wing beam pattern of the distribution curve also can be changed by different section's demand. Rationally control the distribution to be a rectangular beam pattern. When the installation height=12m, the beam pattern is 40x16m rectangular , and the radiation-efficiency is more than 70% in the effective region, the total transparence is more than 90%, the greatest extent possible to reduce the loss of light, the LED light has been fully utilized. The illumination uniformity is very good in the effective radiation region, even better than 0.5, higher than the highest grades of 0.4 of the state road's standards. The edge of the beam pattern is very clear and slide, no adverse glare out of the effective radiation region, will not cause any light pollution, it is an idea cut-lighting lamp. Satisfy the requirements of the road lighting or other special lighting, which can be widely used in the special requirements such as street lighting, advertising lighting, etc.; it is a green, energy-saving, environmentally friendly lighting product.



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 for road lighting.

Horizontal Installation



Inclined Installation

