

100W BRIDGELUX LED STREET

Model: SFLEDST100LM



FEATURES

Our 100W LED street lights are locally assembled and use 2 single 50W Bridgelux / Litup LED as the light source, constant current power supply, wide voltage input (AC85-277V or DC 12-24 or 48V), no ultraviolet, infrared, heat and radiation.

Excellent dust and water resistant properties, good self-cleaning design, safety, reliability,

low power consumption, long service life.

Modern urban design aesthetics, heat resistance, good sealing performance.

High luminous efficiency, visual fidelity, flicker-free.

Fantastic designed light distribution system.

50,000 hours of continuous use

Installation flexibility.

Structural material, aluminum alloy die-casted, high quality glass lens with good light, dust-proof and waterproof, sealed firmware to enhance security and reliability of the lamp.

Surface treated with an environmentally friendly powder coating process so that light itself has good self-cleaning functionality.

APPLICATION SCOPE

City roads, residential areas, industrial areas, sidewalks, parks, schools, villas, estates and other applications where street lighting is required

The lamp uses Bridgelux 140lm/w / Litup 143lm/w COB LED chip as the light source, coupled with high efficiency AC / DC switching power supplies or DC / DC current drive power, efficiency up to 90%, constant current drive power efficiency up to 95%.

ELECTRICAL PARAMETERS

No.	Specs	Unit	Value
1	Input Voltage	V	AC85-277 / 12 - 48
2	Frequency	HZ	47-63
3	Power rating	W	100
4	Power factor		>0.95
5	Power efficiency	%	90

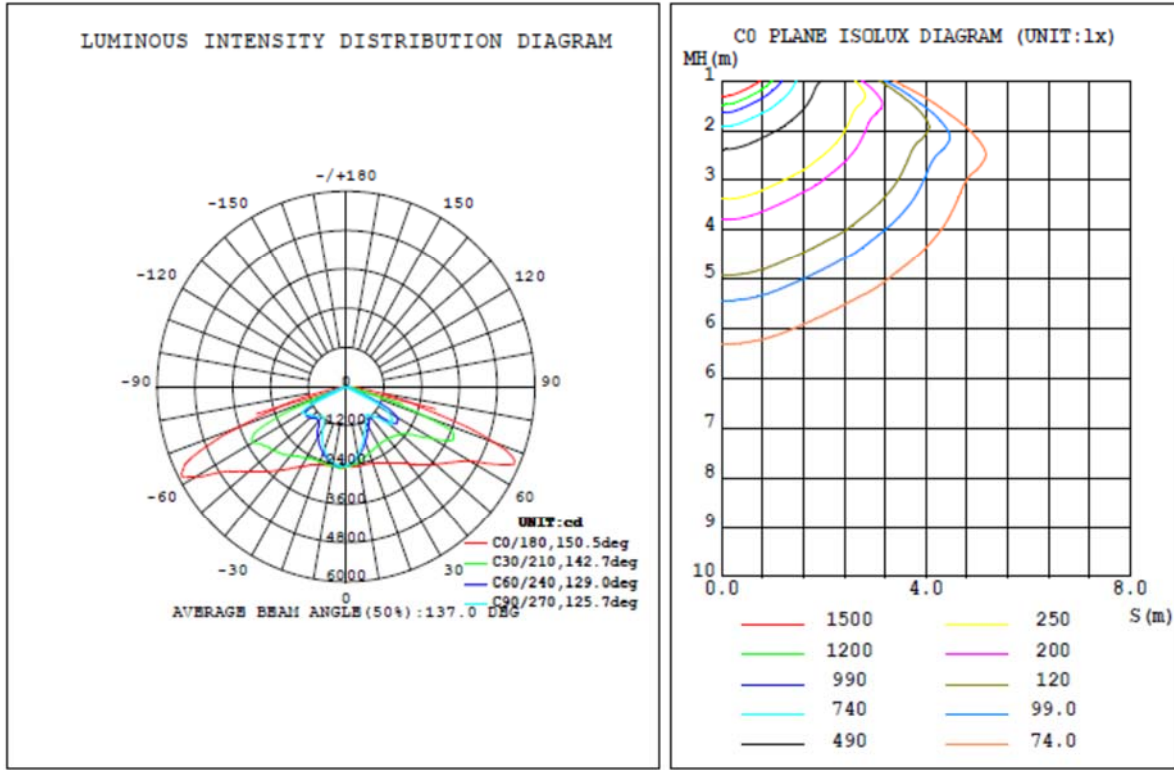
LIGHT CHARACTERISTICS

No.	Specs	Unit	Value
1	LED lighting efficiency	lm/W	101.76
2	Whole Lamp luminance	lm	10226
3	Mid Illumination	lux	(Height=8m): 35lux
		lux	Height=10m): ≥23lux
4	Color Temperature	K	2700-7000K
5	Color Rendering Index	RA	80
6	Light Distribution Circle		Asymmetric (Bat Wing) / Rectangular Beam
7	Light efficiency	%	85
8	LED quantity	PCS	2

OTHER PERFORMANCE INDICATORS

No.	Specs	Unit	Value
1	Working Temperature	°C	-30°C ~ 55°C
2	Working Humidity	%	10-90
3	Storage Temperature	°C	-10°C ~ 85°C
4	Life (theoretical data)	Hrs	>50,000Hrs
5	Protection class	IP	65
6	Product size	720*270*90	L×W×Hmm
7	Packing Size	730*300*140mm	L×W×Hmm
8	Net Weight	5.5	KG

## INTENSITY DISTRIBUTION CURVE



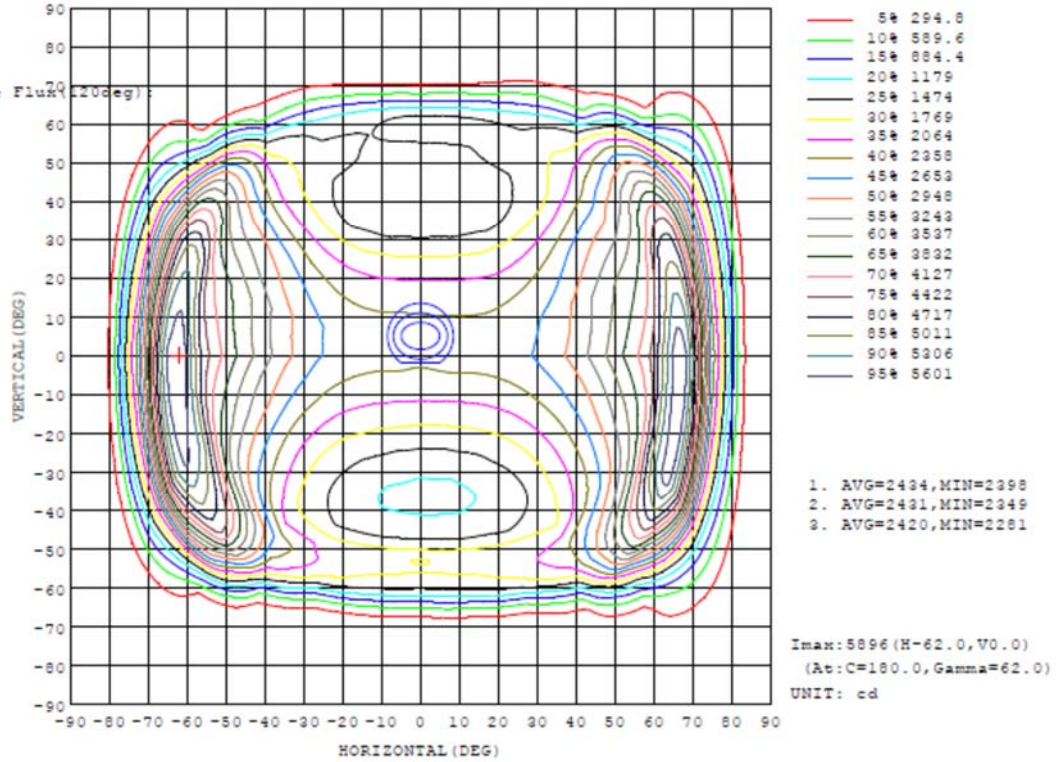
## ISOCANDELA DIAGRAM

Conical surface Flux(90deg):

2786.6 lm  
 #lum = 37.0%  
 #lamp = 37.0%

Conical surface Flux(20deg):

6936.2 lm  
 #lum = 67.8%  
 #lamp = 67.8%



SPIGOT SIZE

60MM

USE AND INSTALLATION

This product is suitable for industrial AC power supply network, using the ambient temperature range is -30 °C ~ 55 °C.

Installation of cable at the first street light take a length of 15-18 meters of cable wire (the actual length of the street lights installed may vary), cable specification: 3 \* 1 m (squared), black sleeving, diameter 8mm, cable outlet connection required (wiring labelled).

Spigot size 60mm

TRANSPORT AND STORAGE REQUIREMENTS

Lights in paper bag (internal plus foam)

Lights should be stored in a cool, dry, clean environment, the storage temperature is -10 °C

WARRANTY

LED Driver 3 years

LED Chip 5 Years

IEC 60598-2-3 Certified

Bridgelux LED 140LM / W

Lit LED 143 LM / W