

## 120W LED Street light Data Sheet SFLEDST120LM



### FEATURES

Our 120W LED street lights are locally manufactured and use 3 single 40W Bridgelux LED as the light source, constant current power supply, wide voltage input (AC85-277V or DC 12-24V), 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.

### Housing Material Description

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.

**SPECIFICATIONS**

The lamp uses Bridgelux high power 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 CHARACTERISTICS**

No.	Specs	Unit	Value
1	Input Voltage	V	AC85-277
2	Frequency	HZ	47-63
3	Power rating	W	120
4	Power factor		>0.95
5	Power efficiency	%	90

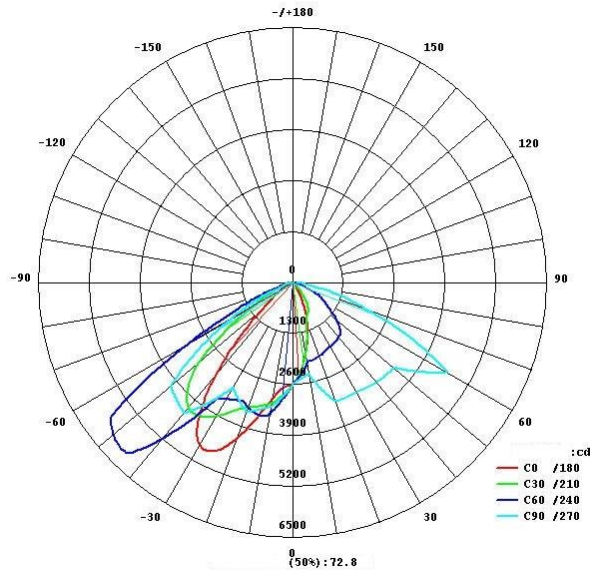
**LIGHT CHARACTERISTICS**

No.	Specs	Unit	Value
1	LED lighting efficiency	lm/W	100
2	Whole Lamp luminance	lm	12000
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	3

**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	880*350*95	LxWxHmm
7	Packing Size	960*375*100	LxWxHmm
8	Net Weight	9.00	KG

## INTENSITY DISTRIBUTION CURVE



## USE & INSTALLATION

This product is suitable for industrial AC power supply network, using the ambient temperature range is  $-30^{\circ}\text{C} \sim 55^{\circ}\text{C}$

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:  $3 * 1 \text{ m}$  (squared), black sleeving, diameter 8mm, cable outlet connection required (wiring labeled)

## TRANSPORT & SOTRAGE REQUIREMENTS

Lights in paper bag (internal plus foam)

Lights should be stored in a cool, dry, clean environment, the storage temperature is  $-10^{\circ}\text{C} \sim 85^{\circ}\text{C}$

## WARRANTY

LED Chip 4 years

LED driver 3 years

## CERTIFICATION

IEC Certified