



SUNMASTER



***SunMaster STL12 Series
Street & Park Light***

www.chinasunmaster.com

Superb Design with Patent ZAG Lens

In combination of years experience in solar street and parking lot lighting, SunMaster SLD12 Series Street & parking light was born. This new series is the result of a multi-disciplinary design study and it applies the latest technologies developed by SunMaster R&D. The product's reliability and performance are the priority factors to consider and they are verified and tested by SunMaster professional qualified and constantly updated personnels.

SUNMASTER follows the R&D step by step: from Lens' optical to mechanical and electronic design. And SUNMASTER monitors the development of LED technology constantly investing in it. The SLD12 series street light equipped with SUNMASTER's latest universal LED modules with Patent ZAG Lens, delivering superb performance of LED Lighting and high reliability.

SUNMASTER universal LED module provides excellent flexibility of LED lights. It can switch between different models from SUNMASTER, such as high bay light, flood light, gas station light, etc. This saves the logistic and production cost for SUNMASTER and its customers.

Reliable LED lighting Technology

The special SUNMASTER Reliable LED Lighting Technology provides significant advantages in terms of luminous efficiency, minimising losses refraction and reflection inside the optical system. This system ensures a lower density of dirt and maintaining the luminaire performance for a very long period.

Protect the LED source

As the key to guarantee the total life span of the luminaire, the protection of the LED source is the core topic in the designing of SUNMASTER luminaire. We carefully select Mitsubishi PC cover.

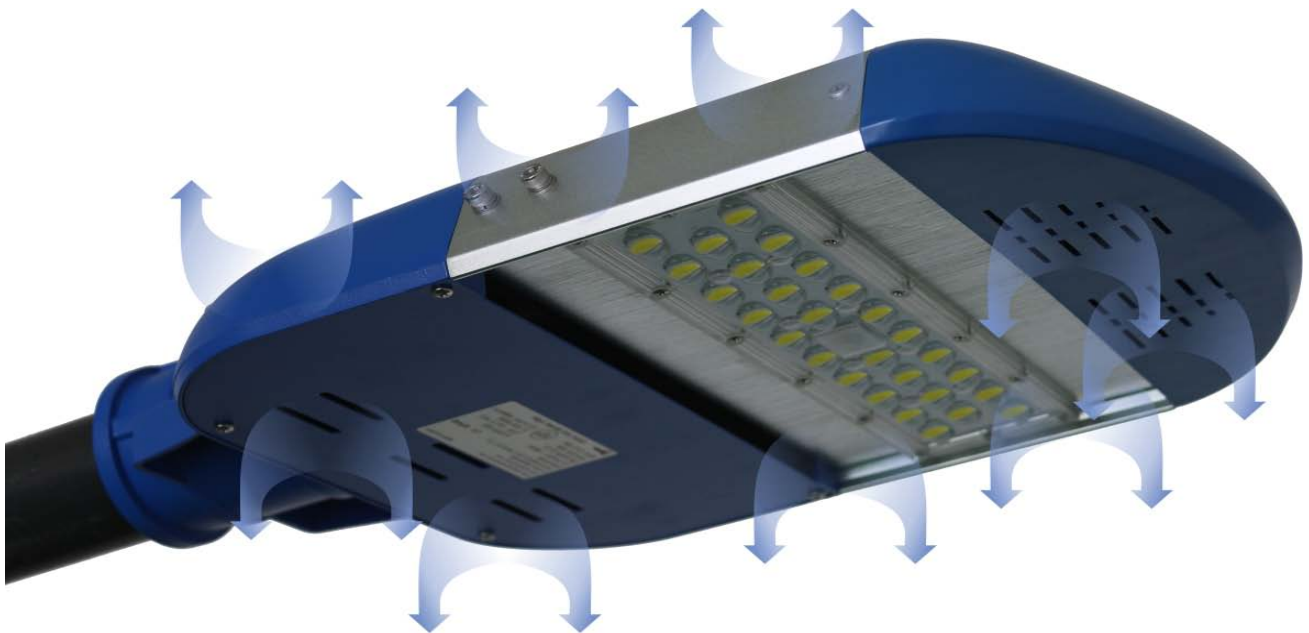
The total IP67 of the whole product, and it also protects the LED chip from the external agents and impact.



Temperature Control

SUNMASTER SLD12 Street light is designed with superb heat radiation technique. The heat and air can go through the whole luminaire via the gaps between the modules. This product cleans ability. When the rain came, the fixture will be washed and the dirt automatically goes out.

By the excellent heat radiation ability, the temperature rising of SLD12 street light is only $<22^{\circ}\text{C}$. And the lamp can work in the environment from -30°C to 70°C . If the environment is 40°C , the maximize temperature on the lamp is 62°C . But the USA Bridgelux LED chips can afford 110°C . This ensures the long life span and performance of the whole luminaire.



Product Benefits

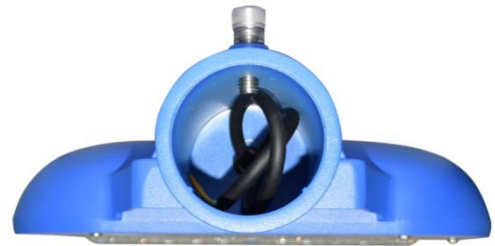
SUNMASTER SLD12-65W

LED Street & Parking Light



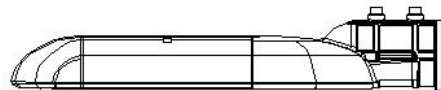
Specifications

Model	SLD12-65W
Wattage	65W
Voltage	24V DC
Brand Chip	USA Bridgelux
Power Factor(PF)	>0.98
Driver Efficiency	>92%
Working Temp.	-30°C to 70°C
Storage Temp.	-30°C to 45°C



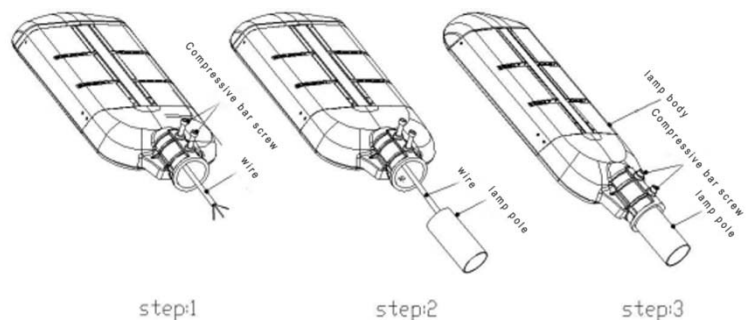
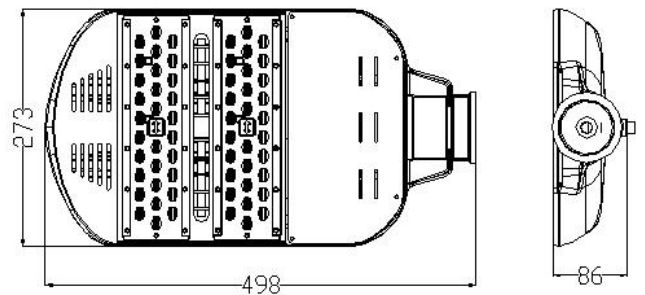
Photometric Specification

Luminous Flux	>11000lm
LED Chip efficiency	>170lm/watt
CRI	>70Ra
CCT	4000k
Optional Beam Angle	60*150°,70*150°



Mechanical Specifications

IP & IK Rating	IP67 & IK10
Life time	100,000 hours
Main body	Die Casting Aluminum
Heat Radiator	Anodized Aluminum
LED module Q'ty	2 modules
Lens Type	Patent ZAG PC
Lens Transmittance	>92%
Fixture Dimension	498*273*86mm
Carton Dimension	548*324*139mm
Fixing hole size	Diameter 63mm
Net Weight	4.6kgs
Gross Weight	5.2kgs



Product Benefits

Solar LED street light system

SUNMASTER provides a comprehensive solution of solar Led street lighting system.

SUNMASTER SLD12 series Street light is suitable for this application.

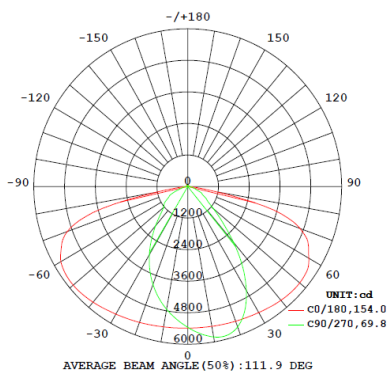
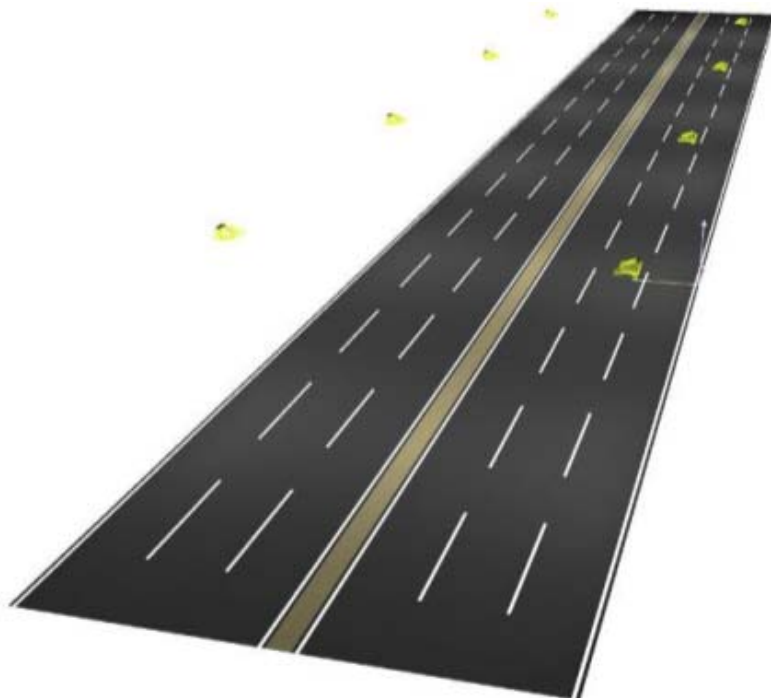
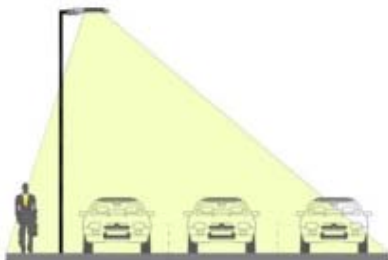
A standard solar lighting system provided by SUNMASTER includes DC version led street light, solar panel, solar controller, gel battery, pole, battery box and accessories.

The system can be 12V/24VDC according to System required specification.



Product Benefits

Type II lens



The Type II lens of SUNMASTER SLD12 series Street light has beam angle of 70*150 degrees. In the IESNA standard, the Type II lens normally used in the highway or expressway. The street light is also installed on the side of the road. And the light distribution is 2.75 times than the installation height of the street light. The Type II lens has even longer distributions on the vertical directions. The 70*150 beam angle makes it suitable for the street with 3 or 4 lanes.

