



Sunny series solar street light. CE type



Product features:

1. Integrated design solution has the features of light and thin, novel appearance and easy for installation;
2. Use high-efficiency monocrystalline silicon PV panel, the conversion efficiency is as high as 17% or more, and the 10-year life attenuation is <10%;
3. Power-grade battery pack with lithium iron phosphate is of safety and stability;
4. Use MPPT controller, which better handle with complex climate changes with high conversion efficiency;
5. Integrated light control, time control, dual control, can more accurately identify the start and stop conditions with high efficiency and energy saving;
6. Intelligent power management system with its optional sensors, Bluetooth and other smart devices, can effectively solve energy waste and other problems.
7. Intelligent control, large-capacity PV panel and battery configuration can ensure normal lighting in 3 rainy days;
8. It can be used under the environment of 0°C ~ +60°C;
9. IP 65 protection level;
10. 3-year warranty is provided for conventional product.



Application

The product is suitable for roads, sidewalks, parking lots, factories, parks, squares, courtyards.



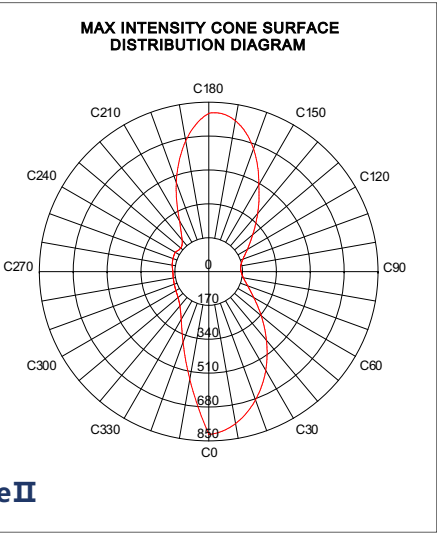
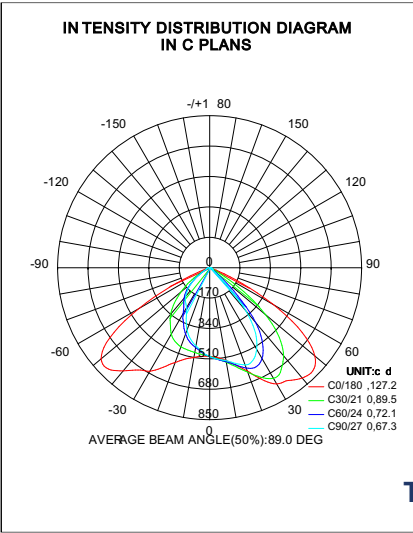
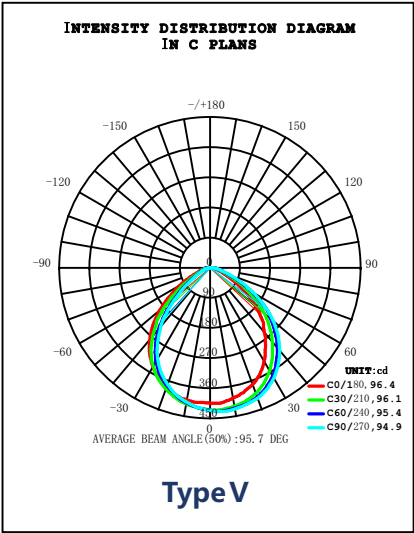
Description

Sunny series solar street light uses an integrated design solution, which have the features of light and thin, novel appearance and easy for installation. The product uses high-efficiency monocrystalline silicon PV panels, with conversion efficiency of more than 17%. Built-in lithium iron phosphate power-grade battery packs are of safety and stability. With MPPT max. power tracking technology can better handle with complex climate changes. The product integrates the technology solutions with light control and time control, which can more accurately control the working time of the product with complete protection mechanism, high efficiency and energy saving. Optional sensors, Bluetooth and other devices, combined with intelligent power system, can maximize the use of working time, and can maintain more than 3 days of working time in cloudy and rainy environment.

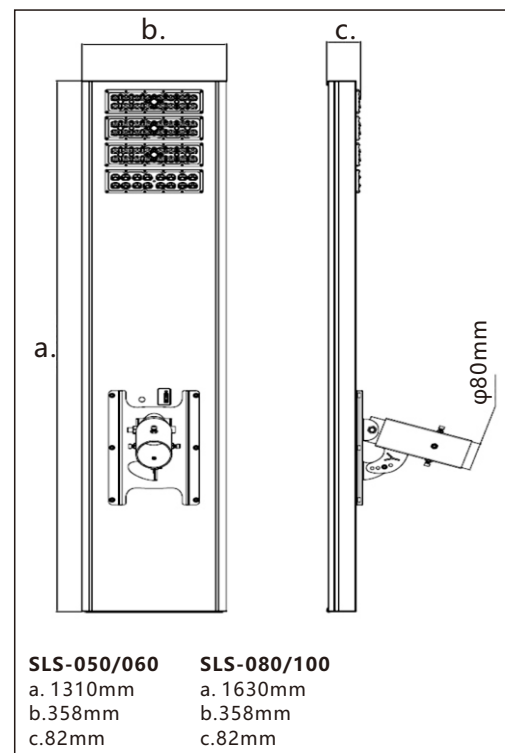
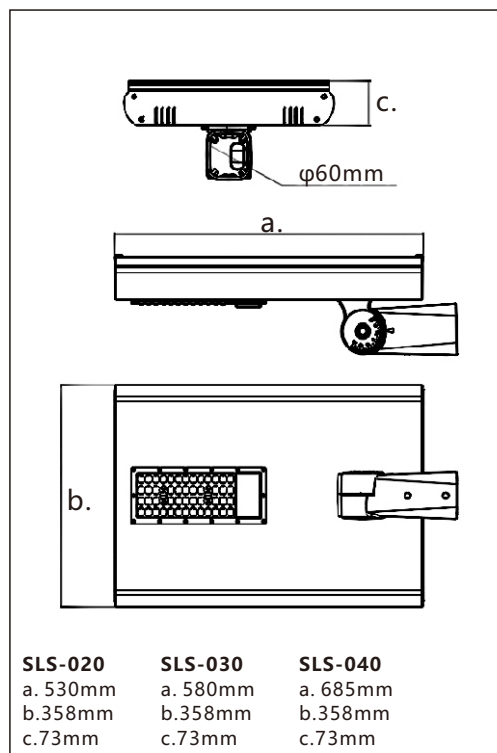
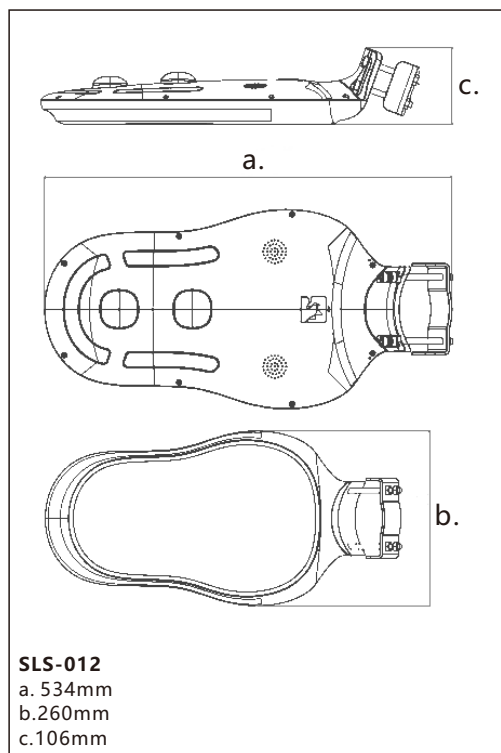
Technical parameters

Model	CCT	Lumen(lm) ±10%	Beam (angle°) ±10%	LEDs type CRI	PV panel power	PV panel type	Battery spec
SLS-012-D1-60K-SA000	5500-6500K	1200	TypeV	SMD2835 Ra > 70	10W	Monocrystalline	LifePo4 4Wh
SLS-012-D1-40K-SA000	3700-4300K						
SLS-012-D1-30K-SA000	2700-3200K						
SLS-020-D1-60K-SA200	5500-6500K	2000	TypeII	SMD3030 Ra > 70	30W	Monocrystalline	LifePo4 160Wh
SLS-020-D1-40K-SA200	3700-4300K						
SLS-020-D1-30K-SA200	2700-3200K						
SLS-030-D1-60K-SA200	5500-6500K	3000	TypeII	SMD3030 Ra > 70	35W	Monocrystalline	LifePo4 192Wh
SLS-030-D1-40K-SA200	3700-4300K						
SLS-030-D1-30K-SA200	2700-3200K						
SLS-040-D1-60K-SA200	5500-6500K	4000	TypeII	SMD3030 Ra > 70	40W	Monocrystalline	LifePo4 230Wh
SLS-040-D1-40K-SA200	3700-4300K						
SLS-040-D1-30K-SA200	2700-3200K						
SLS-050-D1-60K-CA200	5500-6500K	5000	TypeII	SMD5050 Ra > 70	90W	Monocrystalline	LifePo4 432Wh
SLS-050-D1-40K-CA200	3700-4300K						
SLS-050-D1-30K-CA200	2700-3200K						
SLS-060-D1-60K-CA200	5500-6500K	6000	TypeII	SMD5050 Ra > 70	90W	Monocrystalline	LifePo4 512Wh
SLS-060-D1-40K-CA200	3700-4300K						
SLS-060-D1-30K-CA200	2700-3200K						
SLS-080-D1-60K-CA200	5500-6500K	8000	TypeII	SMD5050 Ra > 70	120W	Monocrystalline	LifePo4 768Wh
SLS-080-D1-40K-CA200	3700-4300K						
SLS-080-D1-30K-CA200	2700-3200K						
SLS-100-D1-60K-CA200	5500-6500K	10000	TypeII	SMD5050 Ra > 70	120W	Monocrystalline	LifePo4 1150Wh
SLS-100-D1-40K-CA200	3700-4300K						
SLS-100-D1-30K-CA200	2700-3200K						

Distribution Diagram



Dimension(Unit:mm/inch)



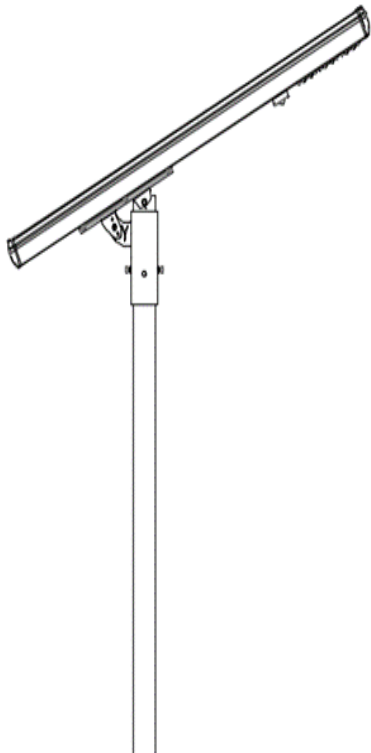
Package information

Model	Net weight	Box size	QTY/Box	Gross weight/Box
SLS-012	3.30Kg	585*550*232mm	4pcs	17.5Kg
SLS-020	7.00Kg	575*410*190mm	1pcs	8.00Kg
SLS-030	8.50Kg	620*410*190mm	1pcs	9.50Kg
SLS-040	10.5Kg	720*410*190mm	1pcs	11.5Kg
SLS-050	18.0Kg	1380*420*140mm	1pcs	19.0Kg
SLS-060	19.0Kg	1380*420*140mm	1pcs	20.0Kg
SLS-080	23.0Kg	1685*420*140mm	1pcs	24.0Kg
SLS-100	27.0Kg	1685*420*140mm	1pcs	28.0Kg

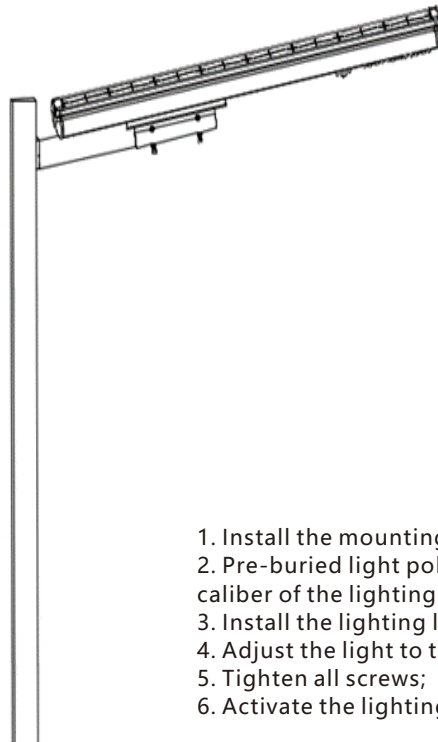
Remarks:

The standard mounting bracket for SLS-050 / SLS-060 / SLS-080 / SLS-100 is packaged separately, with single weight of 2.8kg, the packing size is 370*260*190mm, each box is 2pcs, and the gross weight is 7.0Kg.

Vertical pole installation

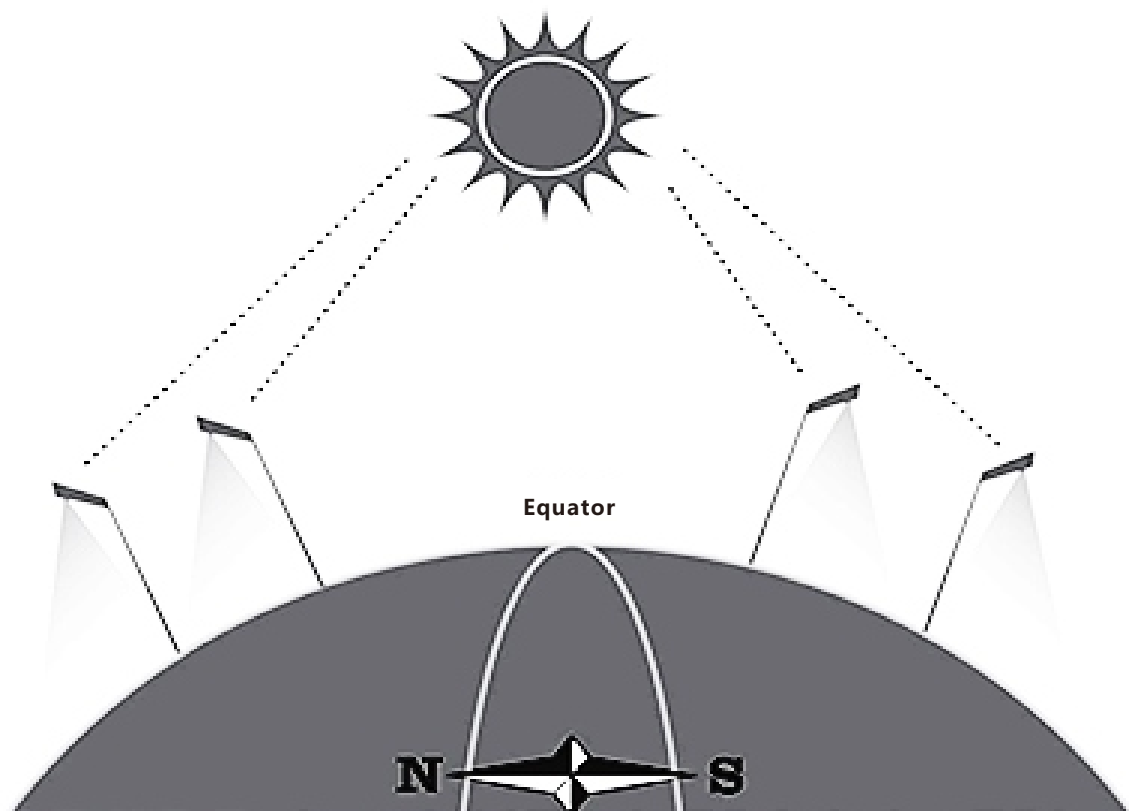


Side pole installation

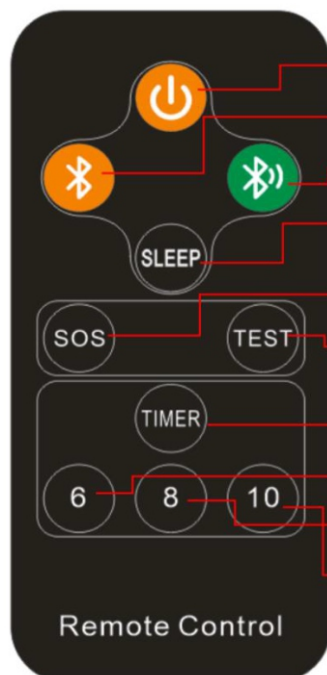


1. Install the mounting bracket to the lighting lamp;
2. Pre-buried light poles that match the installation caliber of the lighting lamp;
3. Install the lighting lamp on the light pole;
4. Adjust the light to the appropriate elevation angle;
5. Tighten all screws;
6. Activate the lighting lamp in the working state.

If the lamp is installed in the northern hemisphere, the solar panel should face south as much as possible during installation, and if it is in the southern hemisphere, the solar panel should face north during installation. The product is only suitable for the installation of light poles with the specified diameter, and cannot be replaced by other sizes, otherwise it may affect the reliability of the product installation. The product installation should have a certain elevation angle, please do not install it horizontally or vertically.



Remote control and activation of product

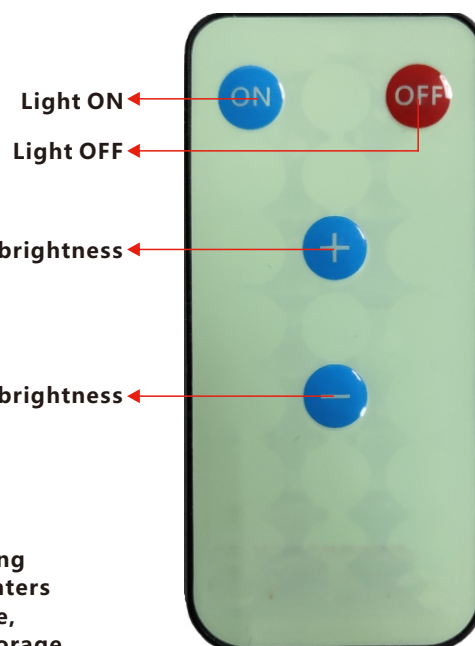


SLS-012 Adaptive remote control device(optional)

- Turn no/off switch
- Bluetooth off
- Bluetooth on
- Sleep mode: transport sleep mode, press this button during transportation or storage to make the lamp enter sleep state
- SOS: light will be flashing
- In the test mode, it will be on during the day or at night. It will be on for 20 seconds according to 100%, 50% and 30%, and then exit the test mode and return to the working mode
- Time setting, timed working 6 hours, 8 hours, 10 hours, cycle switching
- Timed working 6 hours
- Timed working 8 hours
- Timed working 10 hours



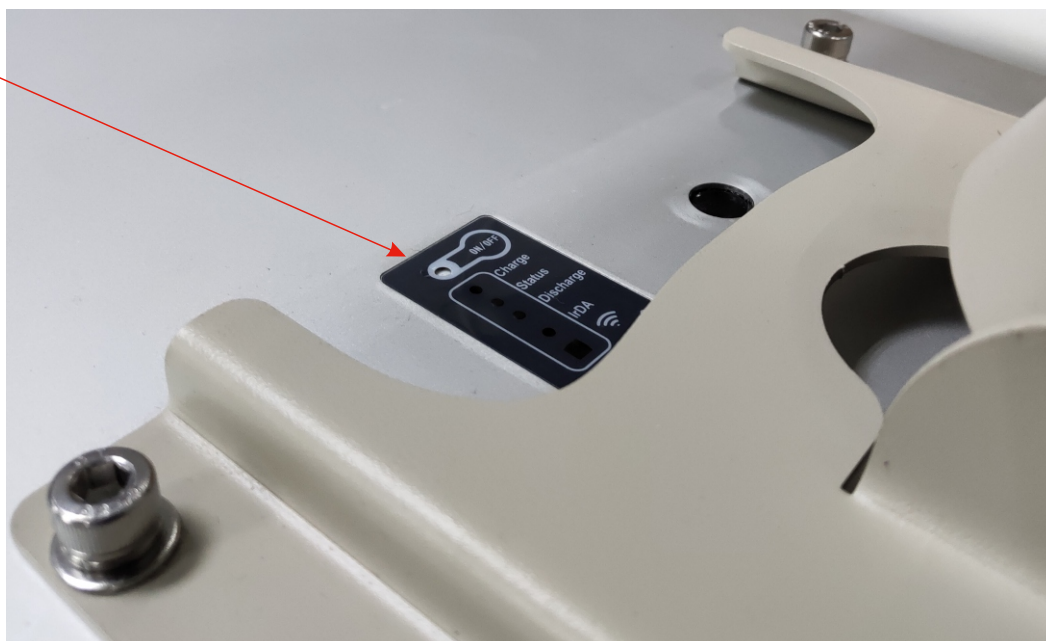
SLS-050/060/080/100 uses a physical button switch to turn on or off the light. Use the matching fake finger to press the button switch at the mark. You can also use other sharp objects to press. After pressing, the indicator light will be lit, and the light will flash during the system start-up. After that, the light goes out and enters the working mode, press it again to enter the sleep mode, please set the button to OFF during transportation or storage.



SLS-020/030/040 adaptive remote control device(optional)

- Light ON
- Light OFF
- Increase brightness
- Decrease brightness

After the product installation is completed, the solar PV panel will be activated after being exposed to sunlight.



Installation requirements

1. Please read the manual carefully to understand the precautions and installation requirements;
2. It is ensured the installation environment and installation accessories meet the load-bearing requirements;
3. Check whether the delivered installation parts are damaged, and install them on the lamp reliably;
4. Different installation accessories correspond to different installation environments, please do not use or modify at will;
5. If the installation accessories have auxiliary parts such as non-slip screws, etc., pay attention to its function and do not ignore it;
6. If there is vibration in the installation environment of the lamp, a safety rope to prevent falling should be installed to ensure the reliability of the installation;
7. After completing the installation, check whether the components are reliable and effective.

Notice

1. Please read the product manual carefully to ensure that the use environment meets the requirements of the manual before use;
2. This product should be installed by professionals;
3. Non-professionals must not maintain the product;
4. If the parts are damaged, they should be replaced by the manufacturer, service agent, or similarly qualified personnel;
5. The use environment cannot exceed the specified anti-corrosion level.
If you have special requirements, please consult first;
6. If the lamp is installed in the northern hemisphere, the solar panel should face south as much as possible during installation, and if it is in the southern hemisphere, the solar panel should face north during installation;
7. Please avoid buildings or trees when installing, so as not to affect the normal power generation efficiency of solar panels, resulting in short working hours of lamps;
8. When installing, please avoid large billboards or mains lamps to irradiate the solar panels, which will cause the solar panels to perceive as daytime and cause the lamps not to work;
9. If the product is stored for a long time, the lamp needs to be charged at least once every six months, and the lamp is placed outdoors during the day, with the solar panel facing the sun, and charging is sufficient for 6-7 hours;
10. Please do not cover the light-emitting surface of the lamp with paper or cloth, and the lamp should not be close to flammable materials.
11. It is forbidden to introduce external electrical signals into the lighting system.
External electrical signals may cause permanent damage to the equipment.