



SunBeam Solar Streetlight

Key Features

- ✓ IP65
- ✓ 12,000 Lumen Output
- ✓ Motion Sensor Pre-installation
- ✓ Photocell Sensor Pre-installation
- ✓ LiFePO4 Battery Inside
- ✓ Optional CCTV Pre-installation

▼ SPECIFICATION SHEET

▶ OPTICAL SPECS

Lumlnous Flux	4500 / 6500 / 8500 / 12000 Lumen
CCT	6500 K
CRI	>70(80 optional)

▶ ELECTRICAL SPECS

Battery	LiFeO4 60AH/70AH/95AH/140AH
Charge Time	4~6Hours
Discharge Time	3-5 rainy&cloudy days
Discharge Current	7.8A/11A/14A/18.75A
Solar Monocrystalline Panel	4V/60W 4V/75W 4V/90W 4V/110W

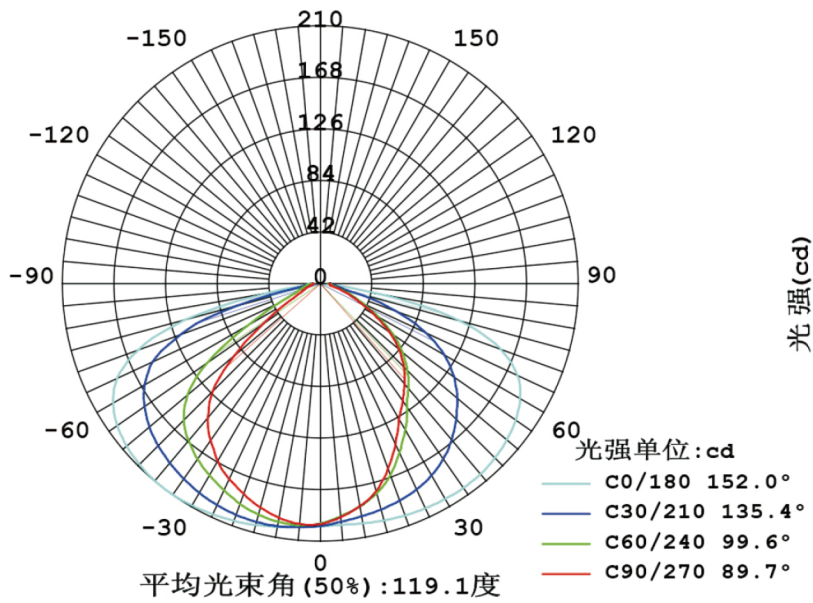
▶ OTHER DETAILS

Lifespan	≥30,000 Hours
Operating Temperature	-20°~50°C
LED Spec	SMD5050
Sensor	Optional Microwave
Control Method	Switch+Remote Control

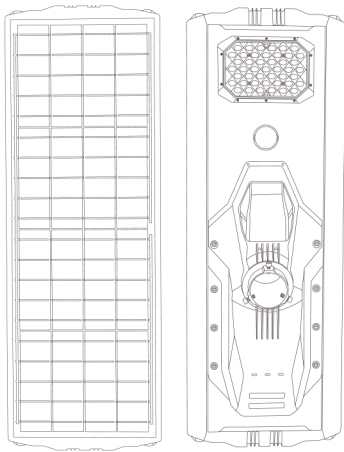
▶ MECHANICAL SPECS

Color	Grey
Lens	PC
Ingress Protection	IP65
Material	Aluminum 6063 + PC

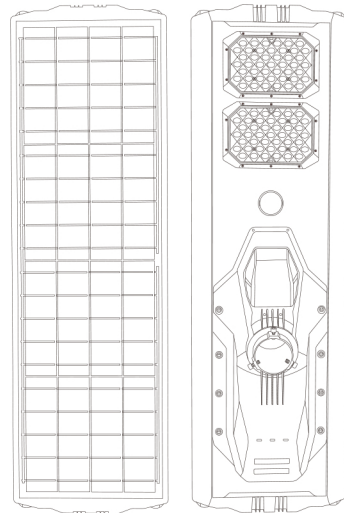
▼ LIGHT DISTRIBUTION CURVE



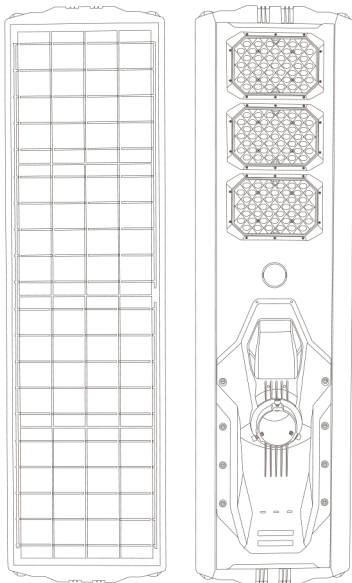
▼ DIMENSIONS(MM)



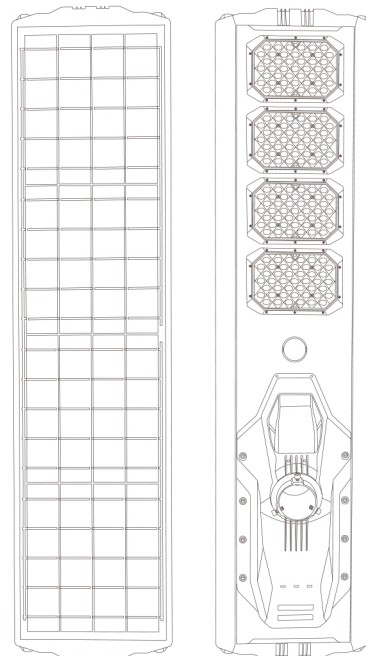
4500lm(L932*W365*H160)



6500lm(L1120*W360*H160)



8500lm(L1342*W360*H160)

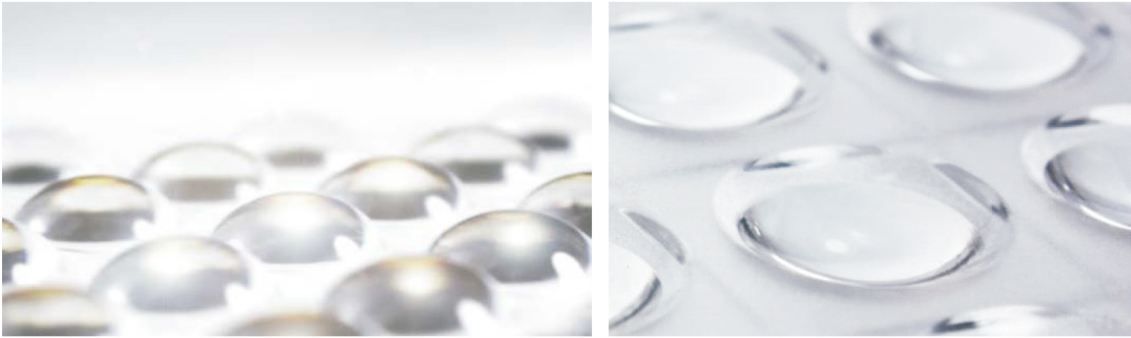


12000lm(L1672*W240*H072)

▼ CHARACTERISTICS

High lumen: brightness increased by 30%

This product adopts LED optical lens design, the lens can effectively gather light of the light source to improve the brightness and reduce the light loss. The light efficiency of the traditional reflective cup is increased by more than 20%. At the same time, the lens of this product is made of PC (Teijin Brand from Japan) material, and the transmittance after processing is as high as 91%, It is much higher than 80% of the glass transmittance; the whole lighting efficiency is increased by 30%, and the irradiation area is increased by more than 25%.

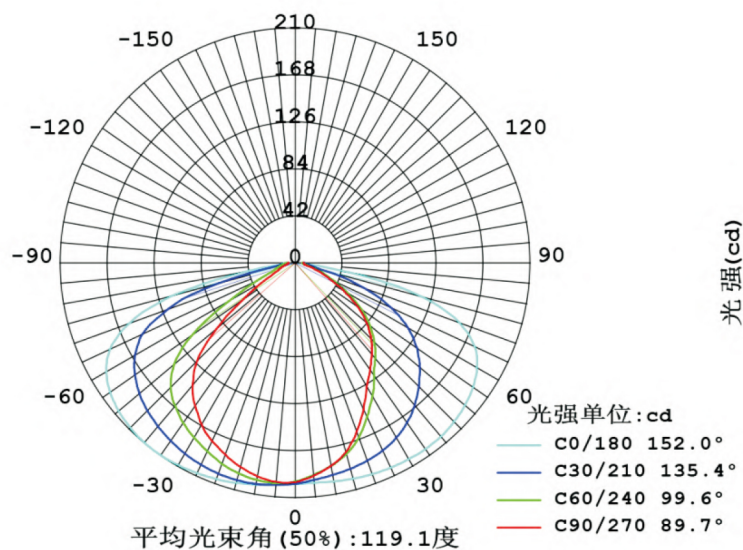


Note: the lens of this product can be used normally in the high temperature range of 125°C and the low temperature of -40°C. The lens will not yellowing and brittle within 5 years. The material has approved many international certification.

Large luminous angle, 30% increase in irradiation area

Through professional optical design, this product is equipped with an optical lens of 150 * 70, and the luminous angle is at the same installation height, 30% larger than the traditional 120 degree irradiation area.

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



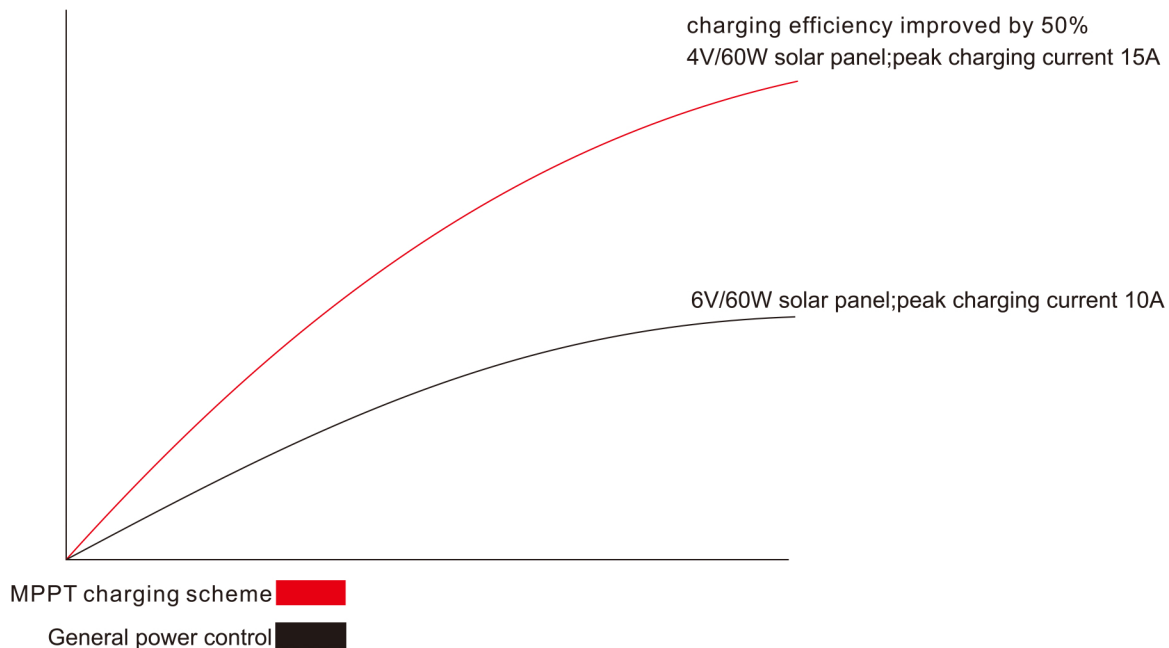
▼ CHARACTERISTICS

Convenient installation

All-in-one solar light means the solar panel is embedded into the lamp body. This design eliminates complex installation accessories such as brackets, no need to install lamp and solar panel separately, which is very convenient for outdoor installation.

High-efficiency fast charging solution, charging efficiency improved by 50%

The solar controller simulates the MPPT charging scheme, a unique charging and discharging management system with more efficient charging and discharging efficiency. For example, the market routinely uses 6V/60W photovoltaic panels with a peak charging current of 10A; but our product uses 4V/60W photovoltaic panels with a peak charging current of 15A. The charging efficiency is improved by 50%.



Multiple Functional Mode

Our product has three brightness mode: radar mode for all night, constant lighting mode for all night, and switch to radar mode after constant light mode.

Smart power management system, extra-long battery lifespan

We are committed to meet the needs of customers "365 days, daily brightness", our company has developed an smart power management system in cooperation with the University of Electronic Science and Technology to make sure our product not only has higher charging efficiency, but also can actively identify the amount of charging per day, so as to independently adjust the capacity to achieve a better rainy day efficiency.

▼ Lighting mode

Power reduction in different modes	Model-On Time					
	1H	2H	2H	1H	6H	30mins Before morning
Sensor mode	100%	75%	60%	40%	40%	50%
3+X/4+X	100%	75%	60%	40%	40%	50%
AUTO mode	100%	75%	60%	40%	25%	40%

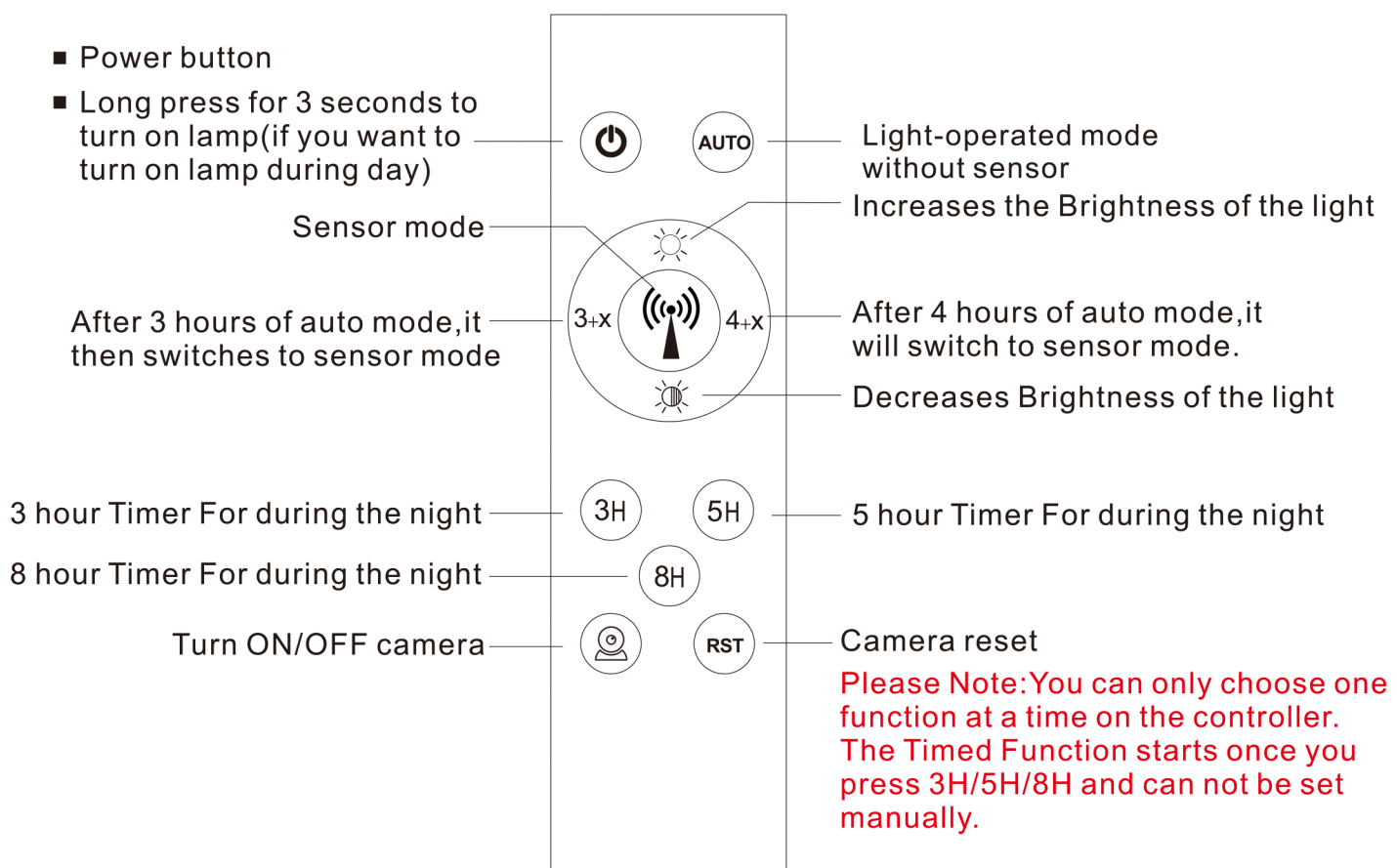
Tips:

1. The brightness is 70% of radar mode during in 3+X/4+X mode.
2. In constant light(AUTO) mode, 3+X/4+X mode, when the power is lower than 20%, the system will automatically switch to radar mode.
3. Morning lit up function is based on the off time of the last day, power increased before 30 minutes. Thus this function is only activated from the second day since lamp installed.

▼ Instructions of Remote Controller

Three Brightness Mode

(The remote control has memory function, you can set only once.)



Tips:

1. Pressing the key "AUTO" the light will automatically turn on in the dark and turn off to charge in the day.
2. Please never connect AC110V/220V AC to this unit as it will damage the lamp and very likely cause personal injury or electric shock.
3. Please ensure the installation is affixed firmly to solid/permanent fixture so as to avoid it falling & causing injury.
4. Disassembling the lamp, panel or any of its parts will void the warranty immediately.
5. Please clean the solar panels regularly of dust, debris and bird droppings, as this will keep the panels output as its highest efficiency for charging the batteries.