

## LED STREET LIGHTING 60W SOLAR



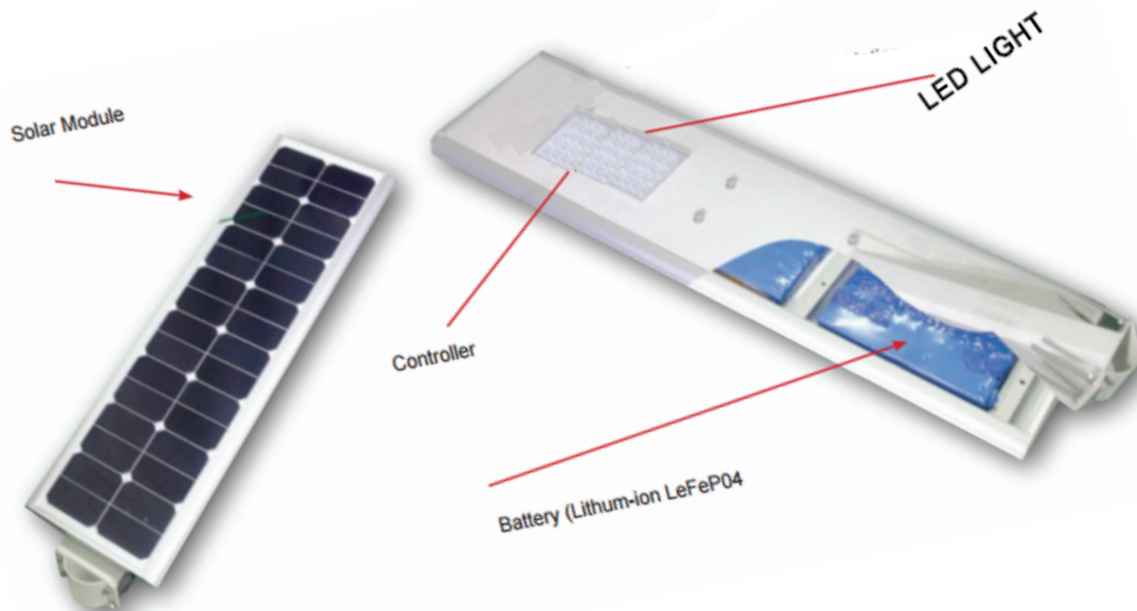
### SECTION 1: GENERAL DESCRIPTION

Model Number:	VOL-SSL-060-CW
Voltage	12V
Power	60 Watts
Diffuser Type	Sealed Glass
Base Material	Die Cast Aluminum Alloy
Light Output	6600 Lumens
Beam Angle	120 Degrees
Correlated Colour Temperate	6500-7000K
(CCT) Fixture Lifespan	50,000 Hours
IP Rating	65
Dimensions	1136*420*144mm
Weight	21.8 kilograms
Charge Time	6 -7 hours (Temperate Country Average Sun)
Battery Type	Lithium Battery 12V 24ah
Working Temperature	-20~+60
Mounting Height	7-9 metres
Space Between Lights	25-28 metres
Hue	C/W

### SECTION 2: CERTIFICATIONS MET

- 1) CE Certification: Conformity European, Ensuring that this product can be within the strictest standards of Europe.
  - 2) RoHS- Restriction of Hazardous Substances- Ensuring no toxic chemicals or materials are used in the manufacturing.
  - 3) ISO 9001: Ensuring the manufacturer has the highest possible standards at the facility.
- This light is LED which is environmentally friendly compared to traditional lighting.

### SECTION 3: INTERNAL ASSEMBLY



## SECTION 4: COMPARABLE OLDER LIGHT SOURCE

<b>60W Solar Street Light</b>	<b>250W High Pressure Sodium Light</b>
60 Watts Power	250 Watts Power
50,000 Hour Lifespan	900 Hour Lifespan
Carries Warranty	Carries no warranty
Withstands voltage surges	Destroyed with small voltage surges
Available in Warm or Cool	Only Available in Warm

# Instruction Manual

## Integrated Solar Street Light



# All in one solar street light

## Instruction Manual

Thanks for using all in one solar street light.

The design of the all in one solar street light comes from the inspiration and power of the universe, combined the best energy saving parts---solar panel, and led lamp and special battery. With the help of the controller, it realizes the functions of high brightness with low energy, long lifespan and free maintenance. At the same time, it is very convenient to ship and install. It is one of the best patent products of our company.

Specifications	
Light source	40/60/80W
Solar panel	110W(Mono)
Human body sensing	No
Product size	1136*420*144mm
Net weight	21.8kg
Luminous	>6000lm
Visual angle	120°
Color temperature	□6500k-7000k
Work time	≥12Hr
Work temperature	charging:0°C~+60°C    discharging :-20°C~+60°C    storage:-30°C~+45°C
Install height	6~8m
Light space	25~28m

The data of its working time was measured at latitude 22 °, 113 ° east longitude in sunny days. The working time will be affected by the surroundings.

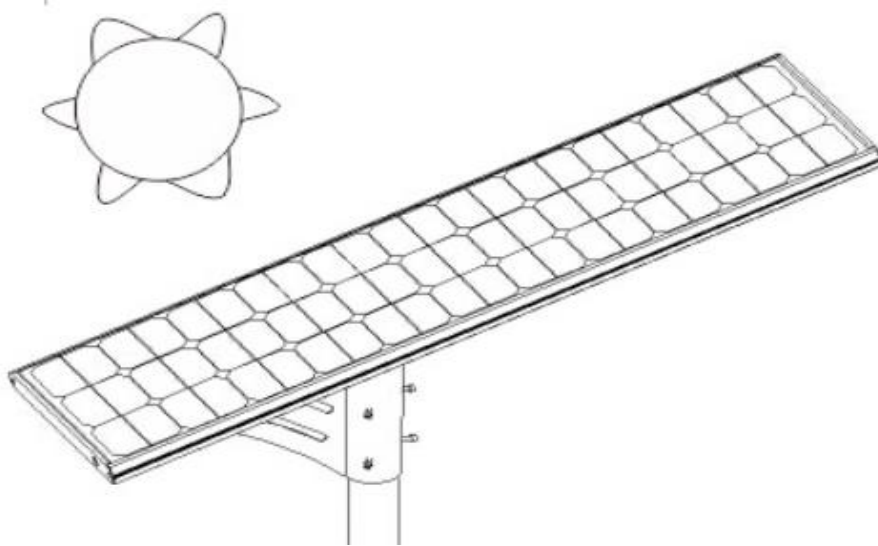
The following are tips and directions for all in one solar street light, please pay attention.

1. “All in One solar street light” would not work without sunshine, please select the suitable model according to the local sunshine radiation and the annual total radiation. We suggest use the both AC and DC charging model in those places where lack of sunshine or have long-time rainy days.

2. "All in One solar street light" adopts the long life Lithium battery for storing energy, charging temperature at day time is between:  $-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$ , when temperature goes lower than  $-20^{\circ}\text{C}$ , the control system will stop automatically to protect the battery, and it will revive to charge the battery while temperature goes higher than  $-20^{\circ}\text{C}$ . Discharging temperature at night is between:  $-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$ , any ambient beyond will take damage to the battery. So please check these factors while selecting the street light.
3. Battery of the "All in One solar street light" can be stored for 6 months long after fully charged. Therefore please examine and charge it periodically after long transportation period or storage to prevent damaging.
4. The surface of the All in One solar street light can be kept clean with normal detergent to get maximum power generation, clear the dust or tree leaves or any grease.
5. All in one solar street light have got the standard of IP65. The vents on the surface is designed for radiating. The materials are made of aluminum alloy which can survive in the environment of seaside and desert.
6. The knob of the fuse is at the left rear end of the light; please insert the fuse when in use. In addition there is one more fuse to be used as a backup. (If the fuse don't work, then the switch should be turned on)

## **Installation Instructions:**

1. Place the light pole into the best spot with good day lighting. The light pole should be the length of 7-9m, the thickness 3.75-5.0mm with material iron or steel, the up diameter 80 mm tapered light pole.
2. Please check to ensure all the components have been received.
3. Unfold the knob of fuse (see below) and check if the fuse works or not, then tighten. (If not just turn on the switch)
4. Place the lamp on the pole by its sleeve, and ensure it is steady.

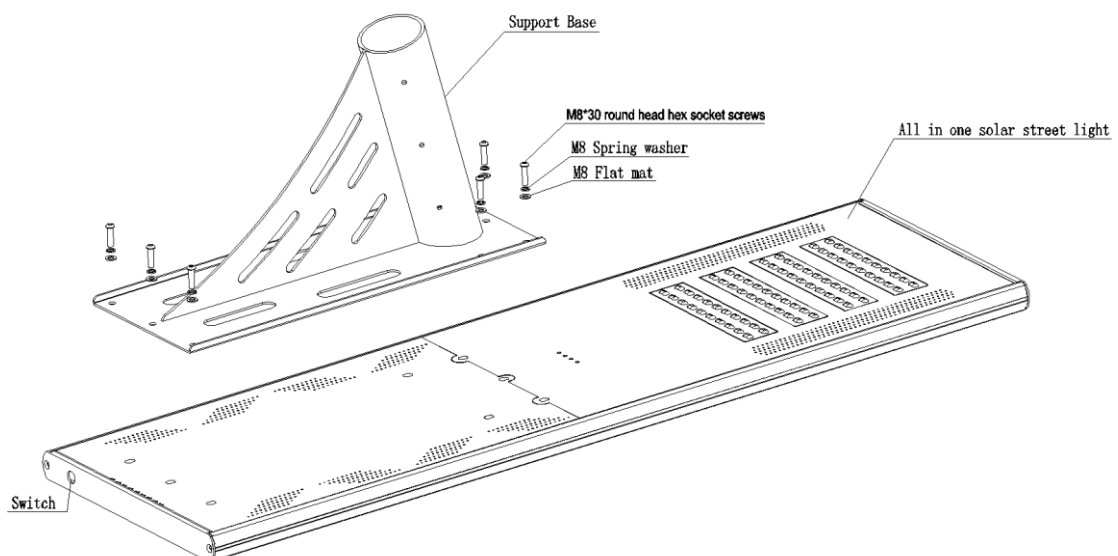


## Installation steps

### Lamp assembly

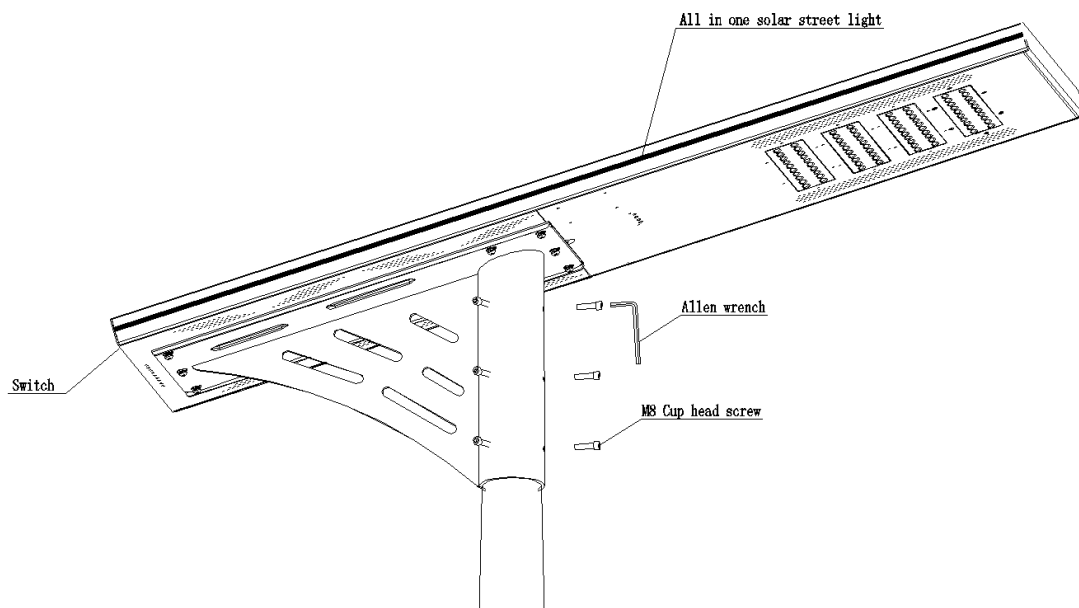
1. Open the cartons to take out the integrated solar street light and parts, put the light flatwise (solar panels face down);
2. Placed the support base to the light installation position, adjust the screw holes with light's alignment;

Screw with the M8 round head hex socket screws, then tighten with a wrench.



## The installation on the light pole

1. First turn ON the switch;
2. Set the light which has been assembled with the support base on the light pole and adjust the direction;
3. Screw with the M8 Cup head hex socket screws on the tube of the support base;
4. Tighten with a wrench and make the light firmly fixed on the light pole.



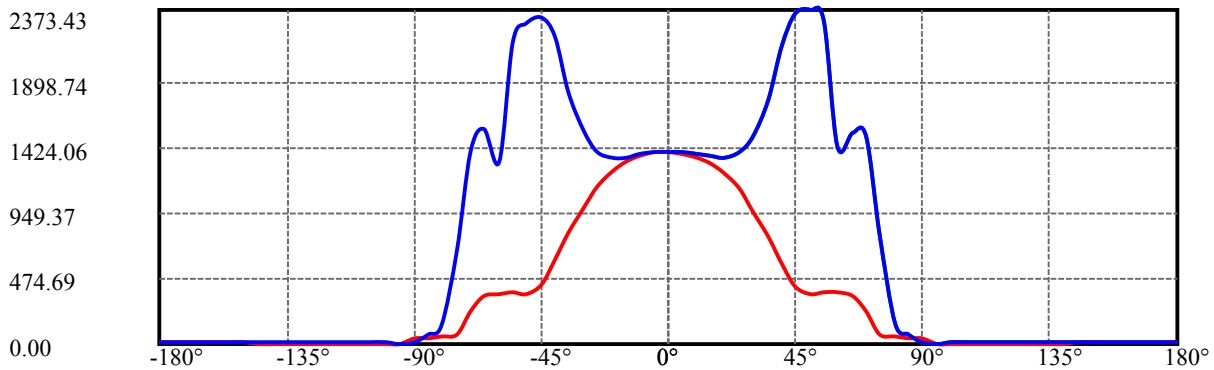
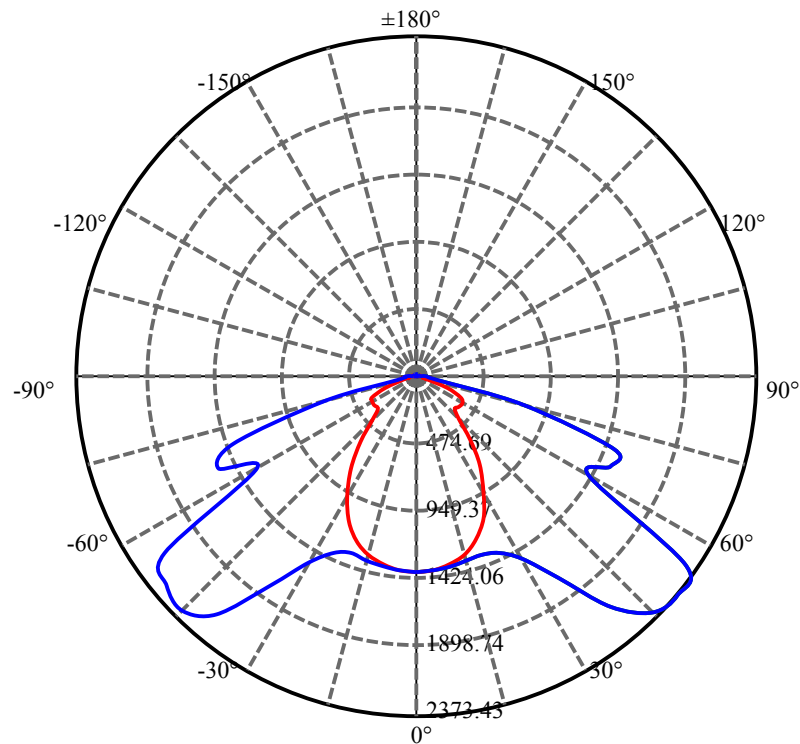
We have the right to improve the structure of our products without any special notice. If there is anything different from the data here, kindly take note.

We guarantee that we have done what we can to improve the contents of the instruction, so we will not assume any loss of this.

Item name		QTY(pcs)
Lamp system		1
Bolts	Cup head m8*30mm	9
	Round head m8*30mm	9(Reserve 1PCS)
Support Base		1
Tool		2

## PHOTOMETRIC DISTRIBUTION

### LUMINOUS INTENSITY DISTRIBUTION



C90(Max):

C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:72.9 Right:72.7

:C90/270Left:79.1 Right:79.3

Beam Angle(50%Imax):C0/180Left:37.8 Right:37.1

:C90/270Left:71.3 Right:72.1



EFFECTIVE AVERAGE ILLUMINANCE

