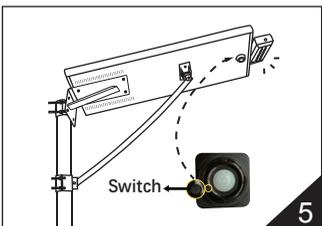
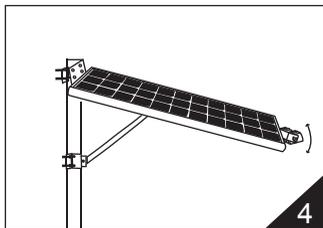
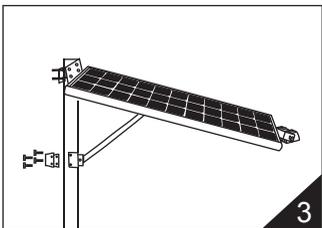
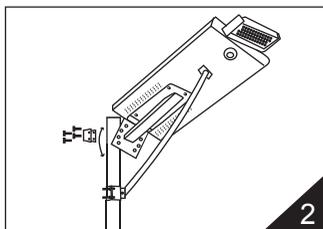
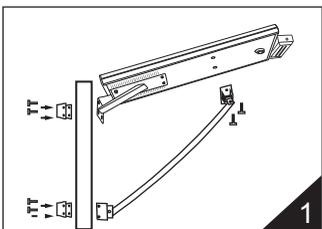


## ► Installation Guide 15W-80W

1. Connect the end of the bent pipe to unit main body with 1pc M8x50 screw, and another end to the anchor ear B with 1pc M8x50 screws.
2. Fix the anchor ear B to base by fastening 4pcs M8x100 screws.
3. Fix the anchor ear B to anchor ear A by fastening 4pcs M8x100 screws. adjust the led source to be vertical with pole and setting a proper direction.
4. Place the lamp onto the pole, then tighten the screws, tearing off the protective PVC sheeting, adjust the led source to be vertical with pole and setting a proper direction.
5. Finished the installation, press the switch button on the microwave sensor, the lamp will light for 1 min then turn off automatically.



## ► Microwave Sensor



### What is microwave sensor?

Microwave sensor works by emitting high frequency electric wave to detect objects' movement, such cases above may result in not working well.

### Why choose microwave for outdoor lighting?

1. It can get through glass, wood, plastic and other non-metallic object, so it can be installed inside and there is no influence on lamp's appearance.
2. It won't be influenced by airflow, dust, temperature, humidity like PIR.

### What should be noticed when using microwave sensor?

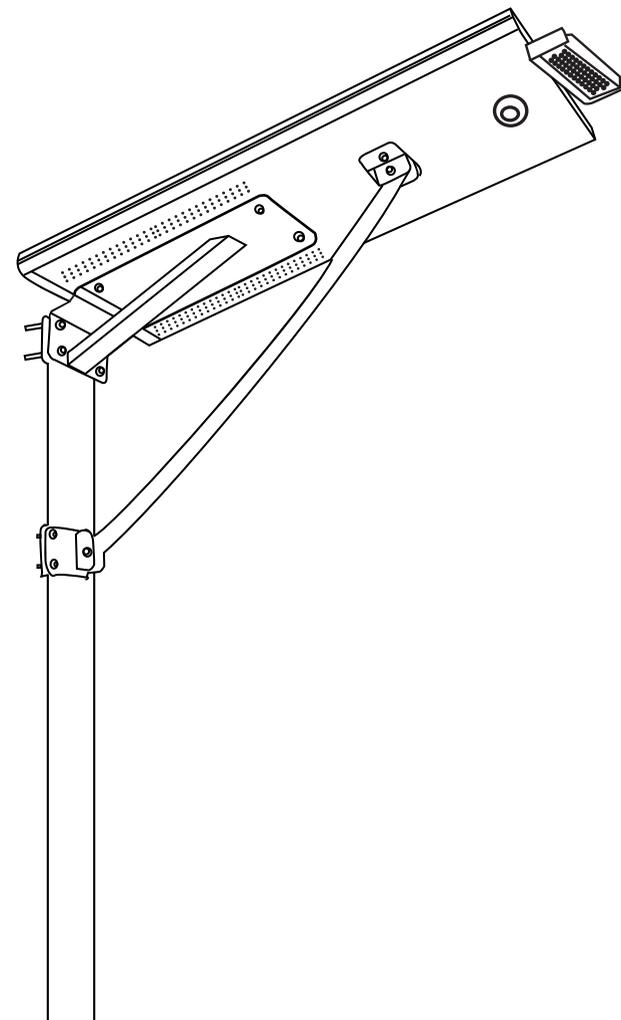
Microwave has been improved a lot compared to PIR, but it is still not perfect. It may be influenced by metallic things and it's very sensitive to some extension, may detect other objects' movement such as leaves' movement.

### The wrong working situations as below:

1. Light flickers un-regularly.
2. The lamp is too sensitive, so it is always at 100% light, then battery can't last long.
3. Sensor does not work, not light when people come close.

# Angel Eye

All In One Solar Street Light



E-mail: [info@heisolar.com](mailto:info@heisolar.com) Website: [www.heisolar.com](http://www.heisolar.com)

Address: F4, 6th Building, Hengguangyao Industrial Park, Yonghe Road, Heping Village, Fuyong Street, Bao'an District, Shenzhen City, Guangdong Province, China.

# User Manual

## ► Product Description

The Angel eye series are consist of high-efficiency monocrystalline silicon solar panel, LED lamp, Lithium battery, smart microwave sensor, which achieve multiple features such as high luminance, long lifespan, minimal maintenance and easy installation.

**To avoid incorrect operation that may lead damage the unit, please read the following instructions for integrated solar light carefully before installation.**

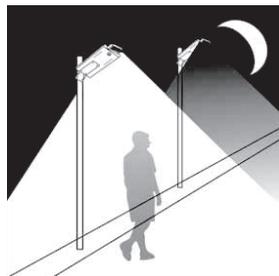
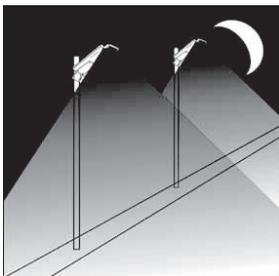
1. Angel eye units do not work without sunlight. Please choose the right installation angle according to the installation position of the sun at 2:00 PM.

2. Keep away from the shadow of trees, buildings etc., otherwise the internalattery will not be charged properly and the efficiency of the solar panel will be minimized, influencing the working time of unit and battery life.

3. By factory setting, units turn on at dusk and turn off at dawn automatically. During the evening, unit works at dim mode( 30%) when humans are not around and works at bright mode, it will increase light output immediatly when a motion is detected.

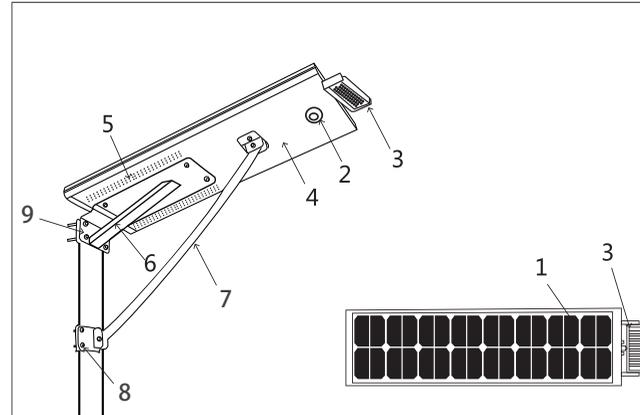
4. All internal parts of the angel eye solar street light are rated IP65 and are waterproof. Metal parts are anodized rust-proof aluminum and galvanized steel which can withstand high temperatures and humidity weather , but still need to be far away from areas where it often suffers heavy acid mist or salt influx.

The high strength structure design can withstand wind speed of 180km/h, speed over this may damage the units.



Unit works at dim mode when human are not around and works at bright mode, it will increase light output immediatly when you motion is detected by human infrared sensor or microwave sensor.

## ► Part Description



No.	Name	Brief function
1	Solar panel	Charge battery
2	Microwave sensor	Motion detection
3	LED light	illumination
4	Controllor	Charging and Discharging control
5	Heat-sink hole	Heat dissipation
6	Base	Rectangular base
7	Bent pipe	Support lamp with pole
8	Anchor ear A	Fix the pole
9	Anchor ear B	Fix the base to hole
10	M8x100 screw M8x50 screw Φ6mm Allen key Φ4mm Allen key Φ2mm Allen key	fasten the anchor ear to pole fasten the bent pipe to unit main body fasten the M8x100 screws adjustable the led source angel adjustable the led source angel

## ► Packing List

When open the package please confirm that all parts are received, the parts are listed below:

Components	15W-80W	Images
Unit main body	1pc	
Bent pipe	1pc	
Anchor ear A	1pc	
Anchor ear B	2pcs	
M8x100 screw	8sets	
M8x50 screw	2sets	
Φ6mm Allen key	1pc	
Φ4mm Allen key	1pc	
Φ2mm Allen key	1pc	
Open spanner	1pc	
User Manual	1pc	