HELIOS Series
SOLAR LED STREET LIGHT

PROGRAMMABLE
Smart solar controller built-in, power brightness and lighting time are adjustable via remote controller.

MICROWAVE SENSOR
More area can be covered than PIR sensor, longer distance and wider sensitive angle, more stable than PIR.

EXTERNAL SOLAR PANEL
Solar panel seperated from light allows to increase power to meet the solar radiations in different latitude and longitude. Max 200W solar panel is allowed for 50W LED with 6200lm output.

CONNECTION
MC4 male & female plugs directly to 18V solar panel. quick and easy for connection. 2.5mm² power cord for less voltage drop.

COMPACT SYSTEM
Battery and solar controller, sensor are built-inside of light, only need to be connected to 18V system, NO more other operation, easy ,simple and quick installation.

Remote Controller

Microwave sensor

Lithium Battery

Philips SMD LED

Bug Free

No Mercury

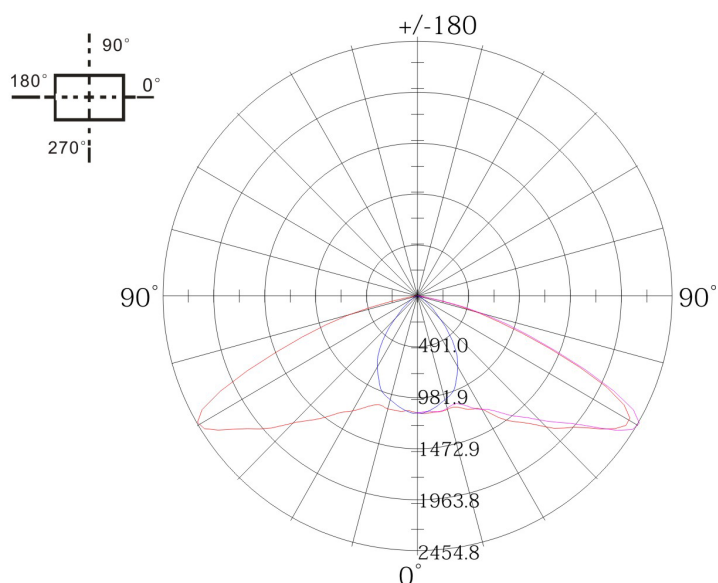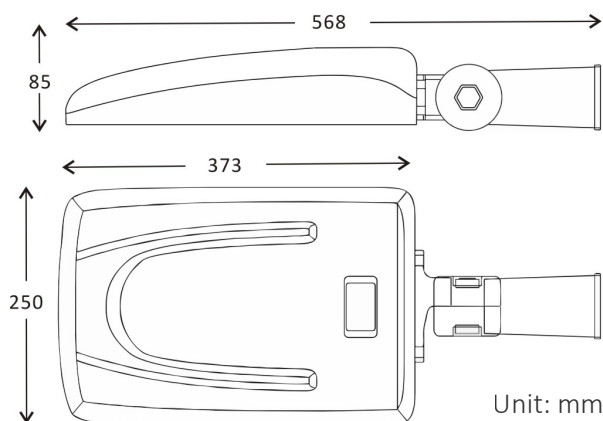Bright Color

Long Lifetime

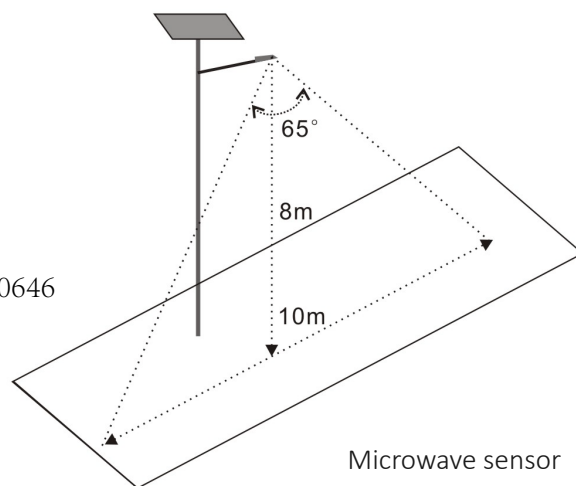Low Wattage

Energy Saving

Eco Friendly

Light Distribution Curve　[Unit: cd]


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        +/-180
   180°  90°
        0°
   270°
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90°   90°

491.0
981.9
1472.9
1963.8
2454.8

0°

Dimension:

568

85

373

250

15697560646

65°

8m

10m

Unit: mm

Microwave sensor

Parameters				
Model	AI-U15W	AI-U20W	AI-U30W	AI-U50W
Rated Power	15W	20W	30W	50W
Beam angle	140*70degree	140*70degree	140*70degree	140*70degree
Luminous flux	>1900lm	>2800lm	>4200lm	>6100lm
Color Temp	2700K~6000K	2700K~6000K	2700K~6000K	2700K~6000K
CRI	>82	>82	>82	>84
LED	Philips 72Pcs 1W	Philips 72Pcs 1W	Philips 72Pcs 1W	Philips 72Pcs 1W
IP Rating	IP67	IP67	IP67	IP67
Battery capacity	192WH 12V	312WH 12V	432WH 12V	680WH 12V
Battery lifetime	1000Cycles	1000Cycles	1000Cycles	1000Cycles
Charging mode	PWM	PWM	MPPT	MPPT
Solar panel				
Voltage of PV	18VDC	18VDC	18VDC	18VDC
Power of PV	45W	60W	80W	110W
Cell of PV	MONO Cell	MONO Cell	MONO Cell	MONO Cell
Pole height	3m~5m	3m~6m	4m~8m	5m~8m