Specification
50W All in Two Solar LED Street light

Lighting

Name	Solar LED Street Light
Model	
Rated power	50W
Luminous flux	6500lm
CRI	>83
Input voltage	18VDC
Beam angle	140° * 70° degree
LED brand:	Philips SMD3030
LED qty	72Pcs
Pole height suggested	6~8M

Solar Controller

System voltage	12V
Output power	12V/80W Max
Charging current	15A Max
Output current	5.0A Max
Sensor type	microwave as optional
Protections	over-charge/over-discharge/over-voltage
Charging mode	MPPT
Programmable by remote	YES

Built-in light head

Solar Panel

Cell brand type	Sunpower, Mono
Dimension	1040*670*30mm
Max power	110W
Max voltage	18VDC
Max. working current	5.55A
Max. system voltage	1000V
Cable section	2.5mm2
Connection	Male & Female MC4 plugs

Battery

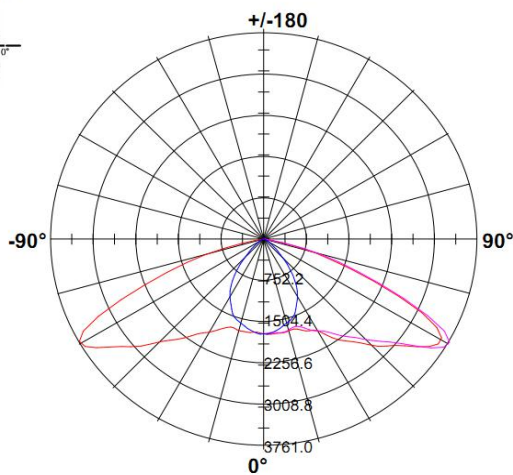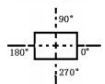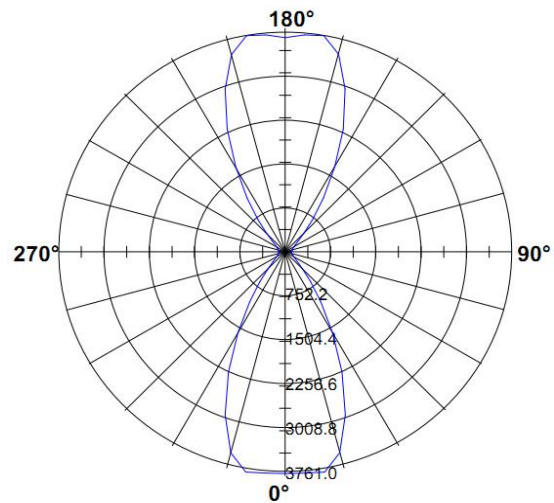| Battery Type	Lithium Battery
Energy	548WH
Nominal Voltage	11.1V
Rated Capacity	48.40AH
Charge Voltage	12.6V
Standard Discharge Current	4.5A
Discharge Cut-off Voltage	9.0V
Cells Qty	66Pcs
Rainy Days	2-3days
Charging time for full	4-5hours
Lifetime	1000 Cycles (>80% capacity)

Built-in light head

Distribution Curve:
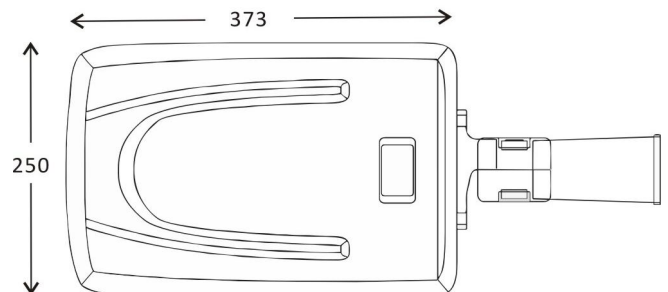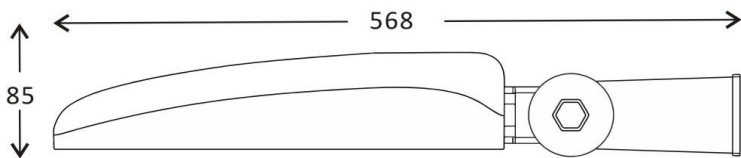
Light Distribution Curve   [Unit: cd]

Luminaire

Max Plane Light Distribution Curve   [Unit: cd]

Dimension (mm)

568

85

373

250

Application

Paths of gardens, park, subsidary roads, branch roads, residential roads , sports lighting etc.

Product Advantage

◎ Battery and solar controller, sensor are built-inside of light, only need to be connected to 18V system.

◎ MC4 male & female plugs directly to 18V solar panel. quick and easy for connection.

◎ Good appearance, small size and light weight, easy to install;

◎ Energy saving 100% generated from solar.less power consumption than traditional