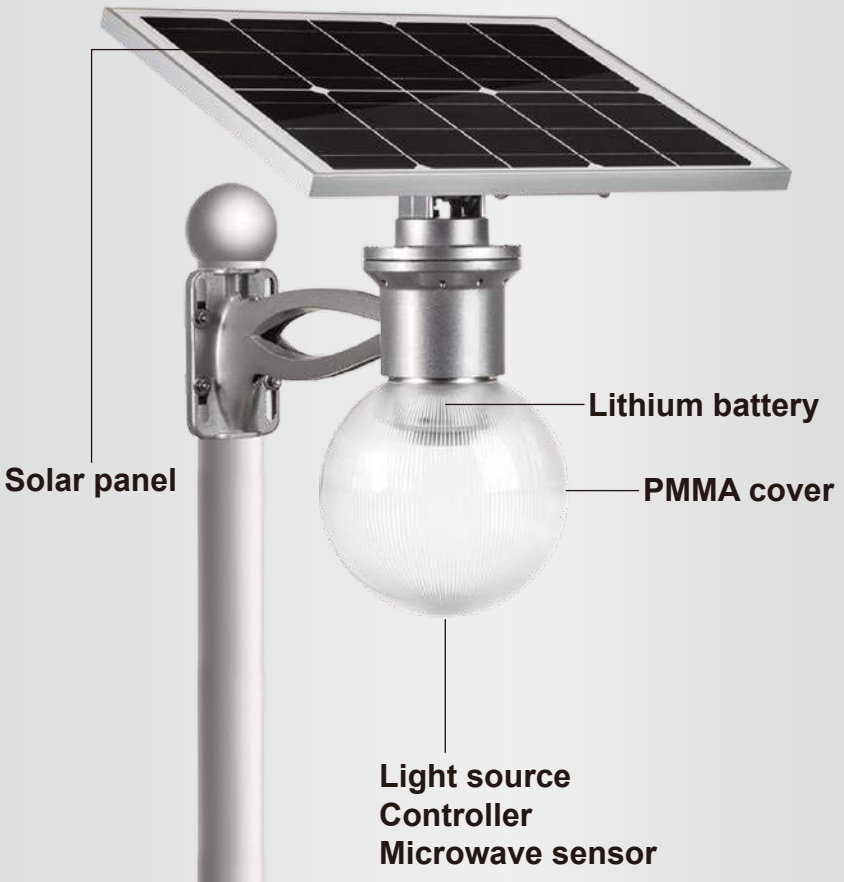
Road Smart



Solar Moon Light

Modern fashion design
Open the generation of solar street light
Intelligent control





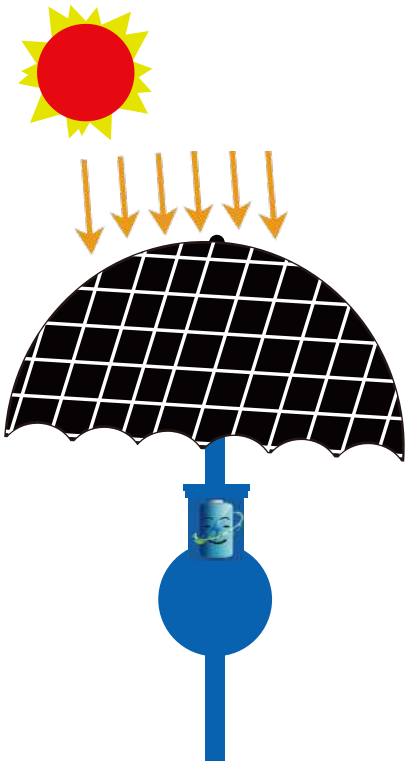




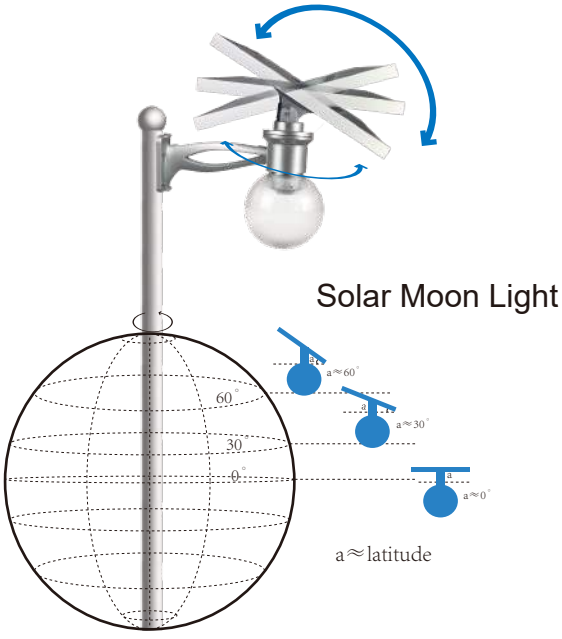
Unique Structure Design

Integrate the solar panel, led body, battery and controller into whole system. Easy to transport, install and maintain.

Solar panel looks like an umbrella to protect battery from high temperature and extend the lifetime. Perfectly solve heat dissipation.



Solar panel can be adjusted manually in vertical and horizontal direction, ensure the maximum efficiency of solar energy.



Core Technologies

Unique Integration Design

Easy to transport, install and maintain.

Rotating Solar Panel

Solar Panel can be adjusted in vertical and horizontal direction.

Power control

Judge recent climate to plan the reasonable discharge power.

Microwave Motion Sensor

Radar controlled, called Doppler effect. More intelligent, energy-saving.

Control Mode Management

6 work modes for choice.

LiFePO4 Lithium Battery

2000times cycle charge and discharge, 8 years lifespan.

Fashionable Design

Moon light shape design, beautiful and fashionable.

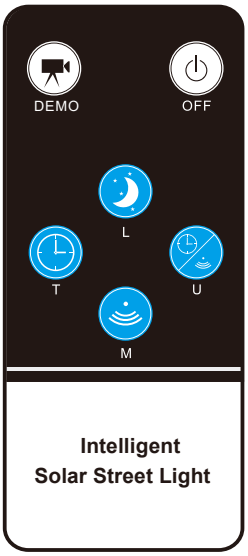
Intelligent Power Control 5.0

Upgraded highly precise 5.0 version intelligent power control system. It will intelligently detect recent weather conditions, reasonably plan the discharge power to achieve more rainy days.

Mode Memory Management

System have mode memory storage function to realize one-time operation and permanent preservation.

Remote Control



DEMO: No matter day or night, light "on" when people close, light "off" after people left. Only for test use.

OFF: Light "off ", no matter day or night.

L: At night, 100%-1hr, 70%-3hrs, 20%-dawn.

T: At night,100%-1hr, 70%-2hrs, 40%-3hrs.

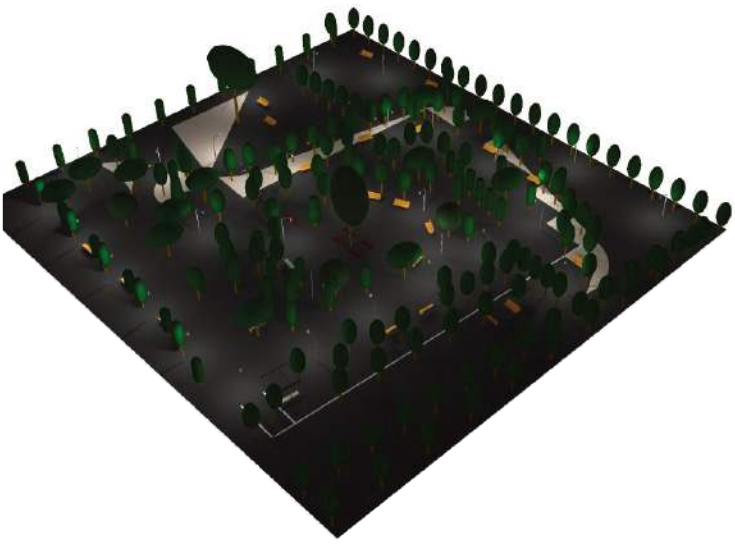
U: At night, 100%-1hr, 70%-3hrs, then sensor working 40% if people come, 10% stand-by.

M: At night, 3hrs if people come 100% and 50% after people left, then 80% if people come and 20% stand-by.

Note: 1. Default is L mode, can choose best mode according to different sunshine condition.

2. Once a certain mode was set successfully, it will be reserved until you change other modes with remote control.

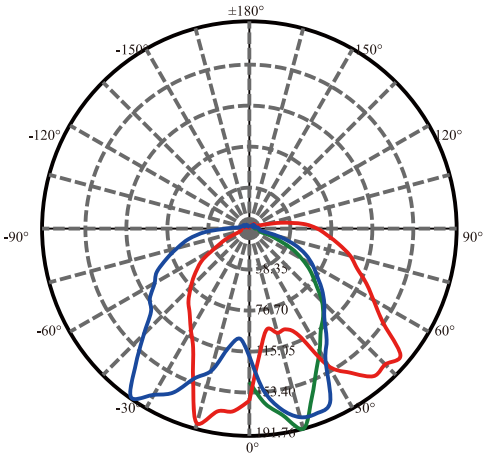
Simulation diagram

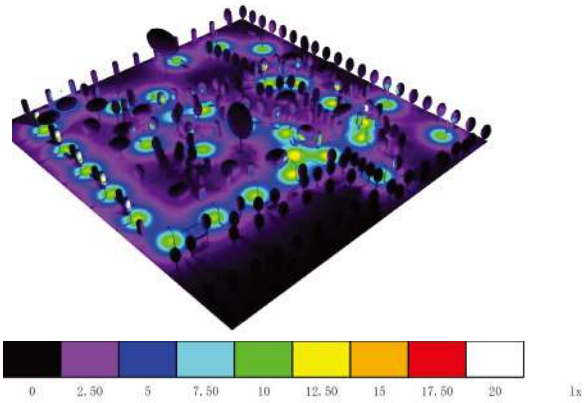


Outdoor scenes

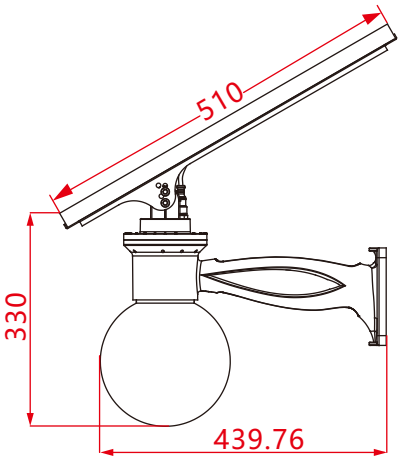
Light Distribution

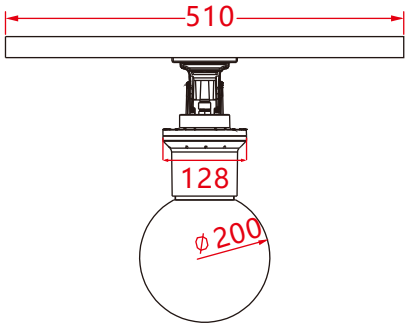
Luminous intensity distribution curves

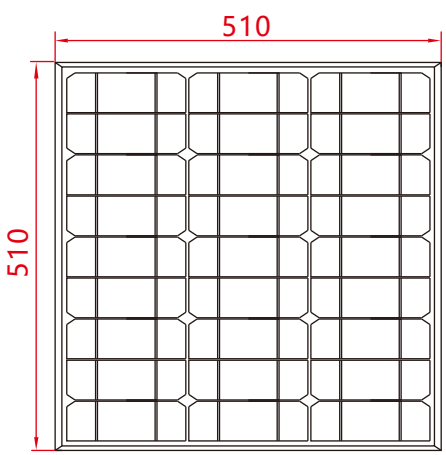




Dimension









Parameter

Type	SC-ML-R40
Panel	
Power	40W/4.5V
Material	Monocrystalline silicon
Solar cell efficiency	19-20%
LiFePO4 battery	
Capacity	144WH/45AH
Charge cycle times	2000 times
Lamp head	
Luminous flux	1500-1800lm
Light output	12W
LED qty	30pcs
LED chip	Bridgelux 160lm/w
Color temperature	3000-7500K
CRI	≥70Ra
Material of lamp head	Die-cast aluminum
Lifespan	50000hrs
System	
Light control voltage	1V
Lighting time(full charged)	2-3 rainy days
Operation temperature	-20℃~60℃
Installation	
Top diameter of pole	60mm
Mounting height	3-5m
Installation spacing	8-10m

Application

