Newhope USA Inc

Solar Moon Light

Detailed Spec of Solar Moon Light

Patent product   CE   RoHS   FC   CQC   IP65

Advantage:

■ Remote control-Simple operation, change to different modes easily.

■ Wireless application-Integrated solar panel, LED, lithium battery, micro-controller and other accessories into one system, simple and stylish.

■ Micro-computer controlled-Combine motion sensor system, light control system and time control system perfectly, ensure whole system more energy-efficient.

■ Easy installation-No power required, no cables required, easy installation in 2 minutes.

■ Solar panel angle adjustable-Adjustable in vertical and horizontal direction, ensure maximum efficiency of solar energy conversion.

■ Extreme light-Light efficiency reach 160lm/w, at same illumination, lower watt available.

■ Lithium battery-Adopt lithium battery to replace traditional gel battery, longer lifetime.

■ Modular design-All components are modular design and in standardized production.

■ Long time working-Working continuously for 2-3 rainy days.

■ Low cost-Compared with traditional solar led lights, much lower cost, easy to transport.

Feature:

- Beautiful and modern appearance, simple and fashionable.

- Use of solar green energy, environment friendly, saving more.

- Low voltage driving, meet the Europe standard of CE RoHS FCC.

- No Hg, Pb or other hazardous materials, no radiation, human safety.

- IP65 grade, TVS lightning protection.

- Long lifetime of whole lamp, low maintenance costs.

Details:

Monocrystalline

- 18% photoelectric conversion efficiency

- Tempered glass cover

- 20-25 years lifetime

High lumen led chip

- 45mil led chip, 160lm/w

- ≥50000hrs lifetime

- ≥75Ra CRI

Socreat Smart Controller

- Socreat unique design

- 6 control modes, light control, motion sensor control, time control, motion sensor and time control, demo mode, off mode.

- Smart control, saving more and system works stably

Lithium ironphosphate battery

- High capacity

- No pollution and stable

- Long lifetime, ≥5000 times charge & discharge

- High temperature resistance
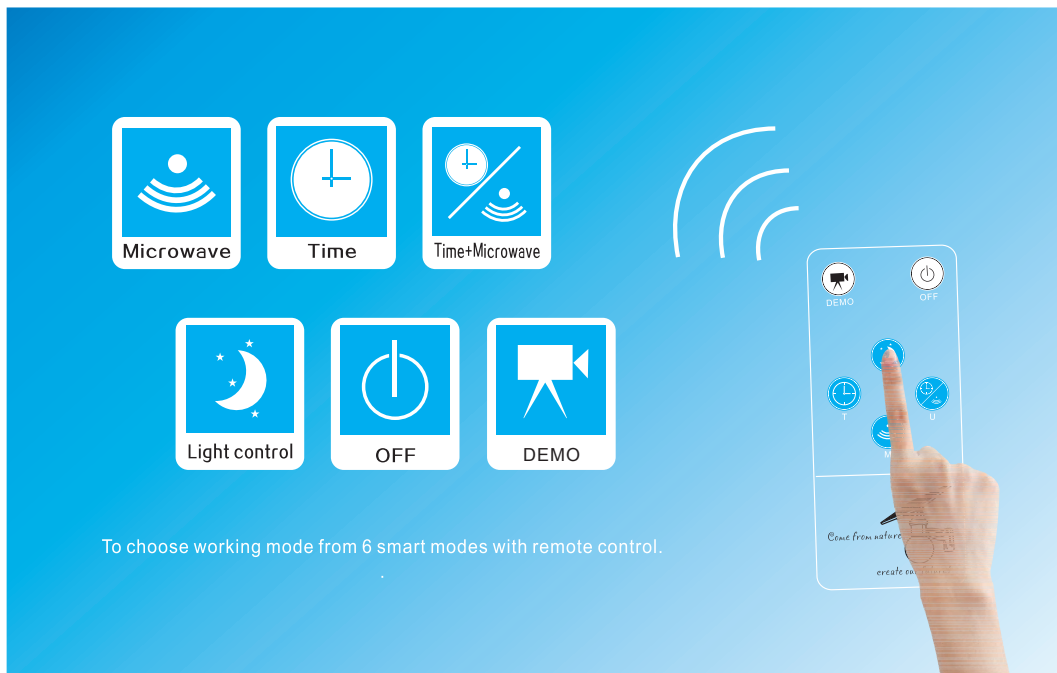
High quality body

- Socreat patent design

- Aluminum alloy, solid and firm

- Zinc plated, anti-rust corrosion

- Variety of installation methods

"Moon" shape cover
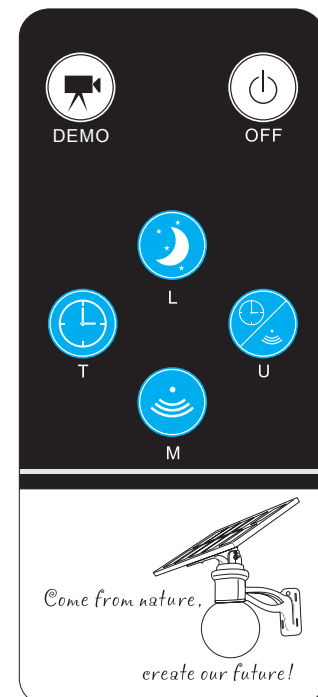

- 95% high light transmittance

- Strip cover, soft lighting for eyes

- High quality PMMA, long lifetime

Remote Control

Microwave   Time   Time+Microwave

Light control   OFF   DEMO

To choose working mode from 6 smart modes with remote control.

Six working mode choices

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% light when people close, 30% light after people left. In daytime, light "off".

M: At night, light "on" when people close, light "off" after people left. In daytime, light "off".

T: At night, 80% light for 2hours, 60% light for another 2hours, then light "off".

U: At night, 80% light for 2hours, 60% light for another 2hours, then turn to motion sensor, light "on" when people close, light "off" after people left.
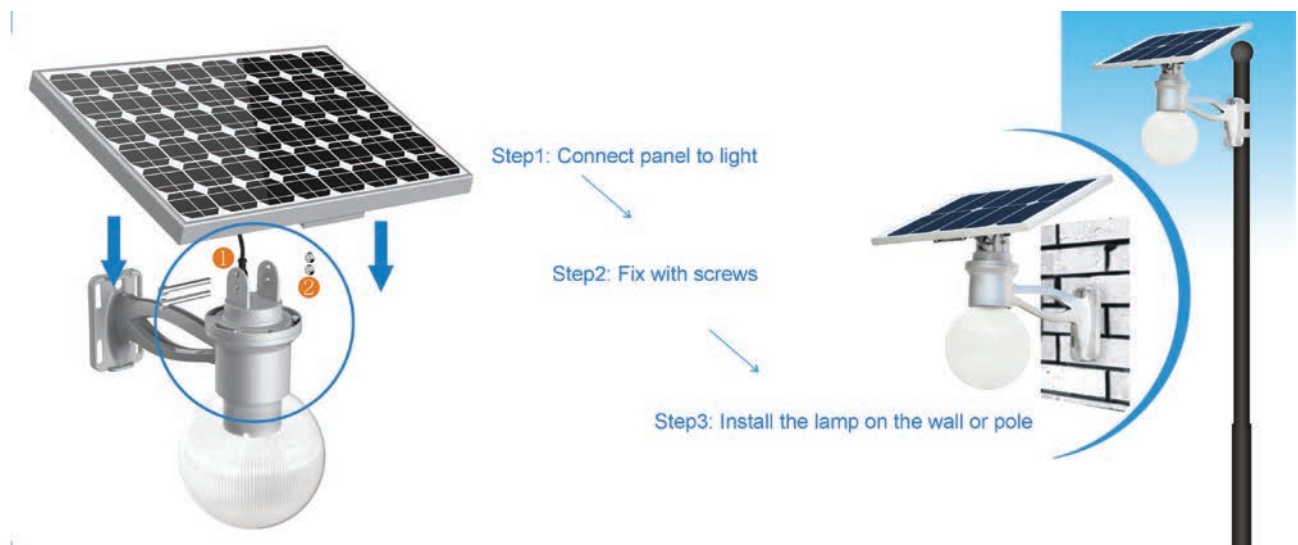
Applications:

Widely used in Park, Villa, Village, Square, Courtyard, Farm, School, Desert, Prairie, Path etc...the places where need outdoor lighting and with enough sunshine.

Easy installation in 2 minutes!

Step1: Connect panel to light

Step2: Fix with screws

Step3: Install the lamp on the wall or pole

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Solar panel angle adjustable schematic diagram:

360°

Parameters:

Type	SC-ML-R12	SC-ML-R25	SC-ML-R40
Lamp power	4W	8W	12W
Solar panel	12W/5V	25W/5V	40W/13.5V
Lithium battery	10AH/3.2V	20AH/3.2V	10AH/9.6V
LED qty	6pcs	6pcs	12pcs
Luminous flux	600-720lm	1200-1440lm	1500-1800lm
LED chip	Bridgelux		
Color temperature	3000-6500K		
CRI	≥75Ra		
Light control voltage	1V		
Illumination (stand by)	30%		
Sensor area	<10meters		
Lighting last	20s		
Charge time	6hours		
Discharge time	24hours		
Working temperature	-20-60°C		
Lifetime	≥50000hours		
Material	High quality aluminum alloy, die-cast aluminum		
Mounting height	3-6meters		
Installation spacing	8-10meters		

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.

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Using Instructions:

- Solar Moon light, need solar power to charge battery, please select appropriate model based on local sunshine conditions.

- Please avoid solar panel be block by building, trees or other obstructions, otherwise it will reduce efficiency of solar panels working, resulting in lower efficiency of system.

- Charging temperature of Lithium battery is 0 to 55℃ , the discharging temperature is -20 to 60℃ , make sure that ambient temperature is in this range when used, avoid damage to lithium battery.

- Please cleaning surface of solar panels regular, such as dirt, leaves, oil, etc., ensure high photoelectric conversion efficiency.

- Cleaning snow of solar panel surface timely in winter.
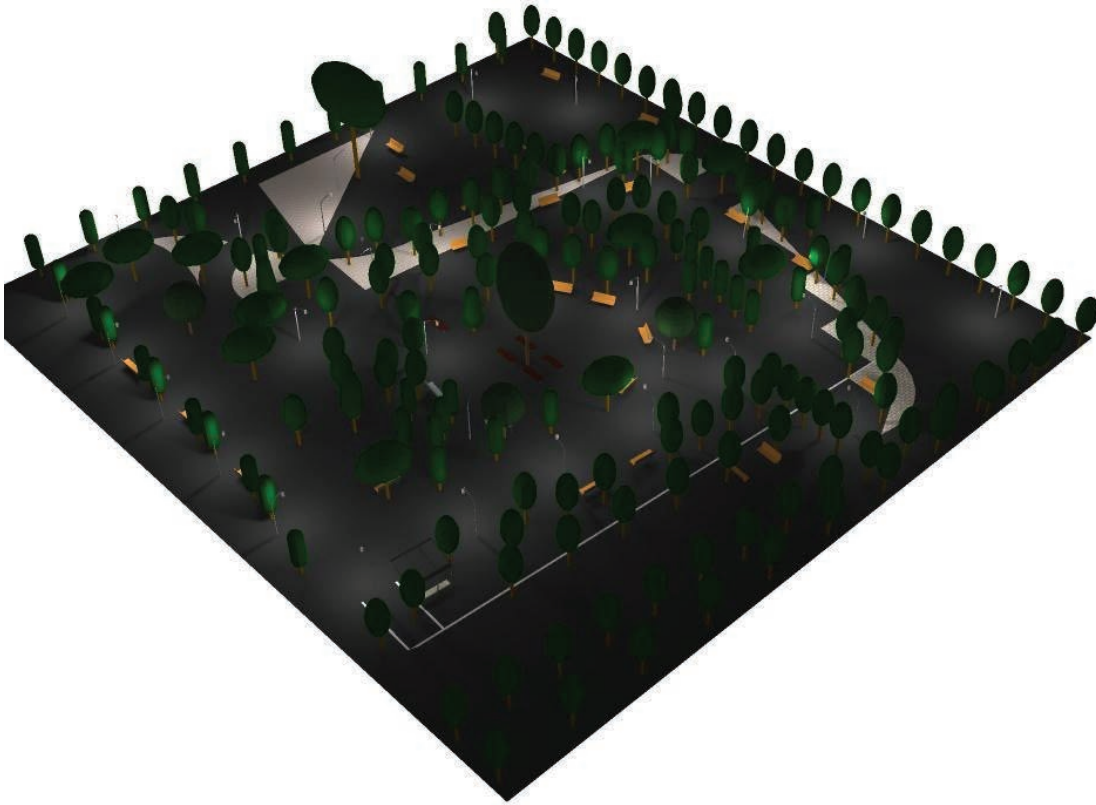
Package specification:

Two lamps in one box.

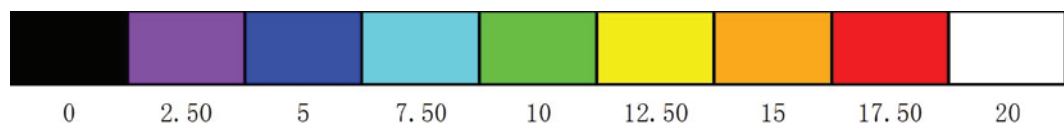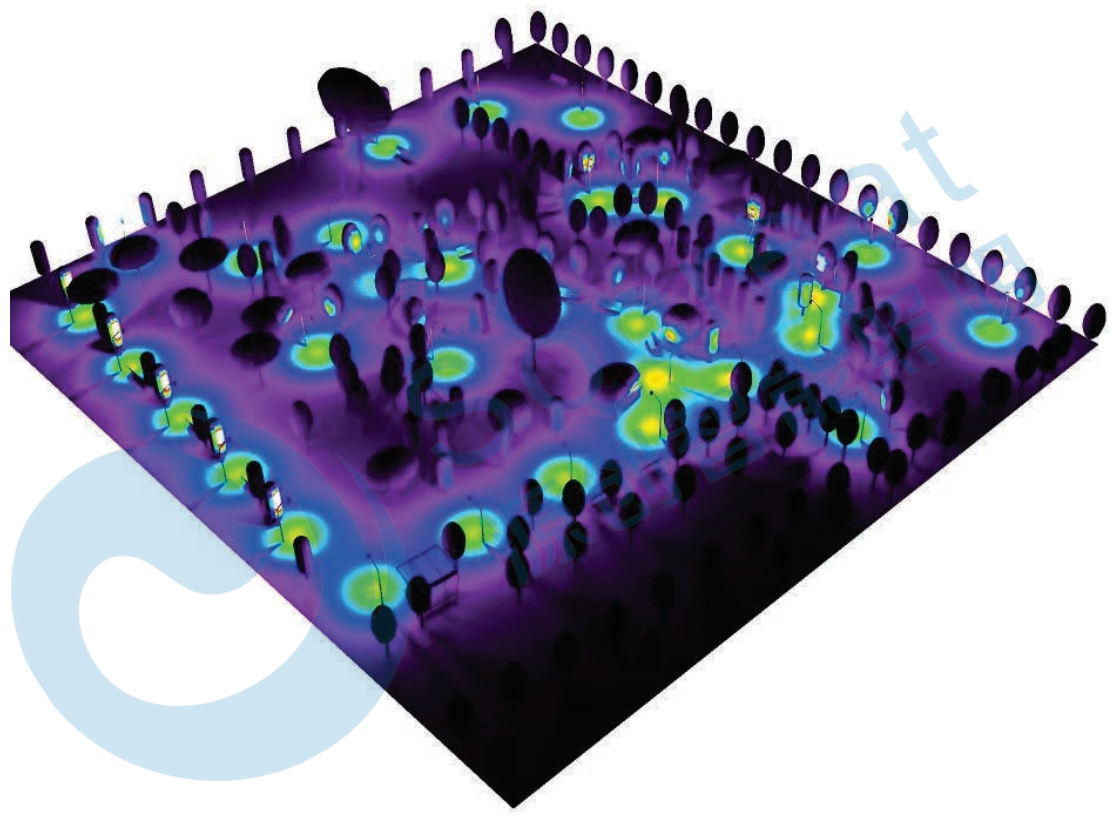| Type	Box size(L*W*H)	Net Weight	Gross Weight	20GP	40GP
SC-ML-R12	460*340*300mm	7kg	11kg	1100pcs	2400pcs
SC-ML-R25	490*385*300mm	9.5kg	14kg	900pcs	1900pcs
SC-ML-R40	670*445*280mm	15kg	21kg	600pcs	1300pcs

Color box packaged, anti-shock packaging material, with bubble bags and foam, ensure transport safety.

List of accessories

- 304 expansion screws & spacer & nut...............4sets
- Fixed the back light pole..................................1pc
- 304 hexagonal screw M6 & nut.........................2sets
- 304 hexagonal screw M6.................................3pcs
- Hexagon wrench M5..1pc
- Open spanner M10..1pc
- Remote control...1pc

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0	2.50	5	7.50	10	12.50	15	17.50	20	lx