

## FAROLA SOLAR LED LUNA REFLEX



Patent product CE RoHS FC COC

#### 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-Rotate 360°, 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 4-5 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



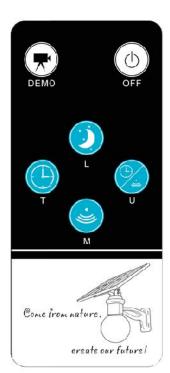
- 95% high light transmittance
- Strip cover, soft lighting for eyes
- High quality PMMA, long lifetime

#### ■ Remote Control



### Six working mode choices

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



# Solar panel angle adjustable schematic diagram:



### Parameters:

Туре	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	10AH/3.2V 20AH/3.2V			
LED qty	6pcs	6pcs 6pcs			
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  $^{\circ}$ , 113  $^{\circ}$  east longitude in sunny days. The working time will be affected by the surroundings.

### Using Instructions:

- Solar Moon light lamp, 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°C, the discharging temperature is -20 to 60°C, 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.

Туре	Box size(L*W*H)	Net Weight	Gross Weight	20GP	40GP
SC-ML-R12	450*340*290mm	7kg	11kg	1100pcs	2400pcs
SC-ML-R25	490*385*300mm	9.5kg	14kg	900pcs	1900pcs
SC-ML-R40	690*435*255mm	12kg	18kg	650pcs	1400pcs

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	
■ 304 hexagonal screw M6 & nut	
■ 304 hexagonal screw M6	3pcs
Hexagon wrench M5	
Open spanner M10	
Remote control	