

Newhope USA Inc



Solar Nighthawk Light

Detailed Spec of Solar Nighthawk Light



CE RoHS FC  IP65

Advantage:

- 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 5 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



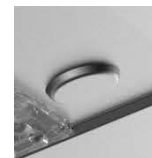
- 18% photoelectric conversion efficiency
- Tempered glass cover
- 20-25 years lifetime

High lumen led chip



- 45mil led chip, 160lm/w
- ≥ 50000 hrs lifetime
- ≥ 75 Ra CRI

Socreat Smart Controller



- Socreat unique design
- Combine motion sensor, light control, time control perfectly, ensure whole system more energy efficient .
- 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



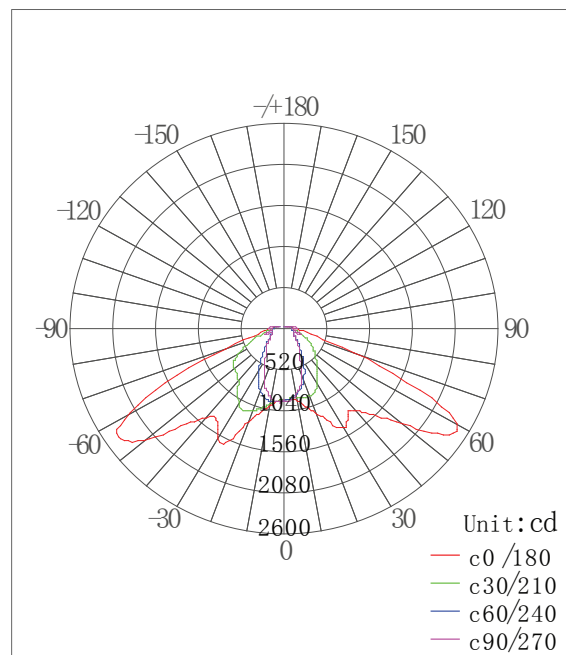
- Socreat patent design
- Aluminum alloy, solid and firm
- Zinc plated, anti-rust corrosion
- Variety of installation methods

Applications:

Widely used in Rural road, Courtyard, Villa, Park, Square, Farm, School, Factory, Slow lane etc...the places where need outdoor lighting and with enough sunshine.



Luminous intensity distribution curves:



Solar panel angle adjustable schematic diagram:



Parameters:

Type	SC-NH50	SC-NH65	
Lamp power	20W	30W	
Solar panel	50W/12.8V	65W/12.8V	
Lithium battery	212WH	340WH	
LED qty	40pcs	60pcs	
Luminous flux	3200-3600lm	4800-5100lm	
LED chip	Bridgelux		
Color temperature	3000-6500K		
CRI	≥75Ra		
Light control voltage	1V		
Light distribution	Batwing		
Sensor area	<10meters		
Lighting last	30s		
Charge time	6hours		
Discharge time	2 rainy days		
Working temperature	-20°C-60°C		
Lifetime	≥50000hours		
Material	High quality aluminum alloy, die-cast aluminum		
Pole top diameter	70mm		
Mounting height	5-8meters		
Installation spacing	10-30meters		

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.

Using Instructions:

- Solar Nighthawk 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°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.

Nighthawk light dimension:

