



Solar Nighthawk Light

patent all in one solar led street light

Detailed Spec of Solar Nighthawk Light



Patent product **CE** **RoHS** **FC** **C&C** 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.
- Good heat dissipation-Solar panel, battery and light body do not connect directly, they will not conduct heat to each other, to support good heat dissipation and long lifetime.
- 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. Battery can be easily replaced if needed.
- 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

Smart Controller



- unique design
- Combine motion sensor, light control, time control perfectly, ensure whole system more energy efficient .
- Smart control, saving more and system works stably

LiFePO4 Battery



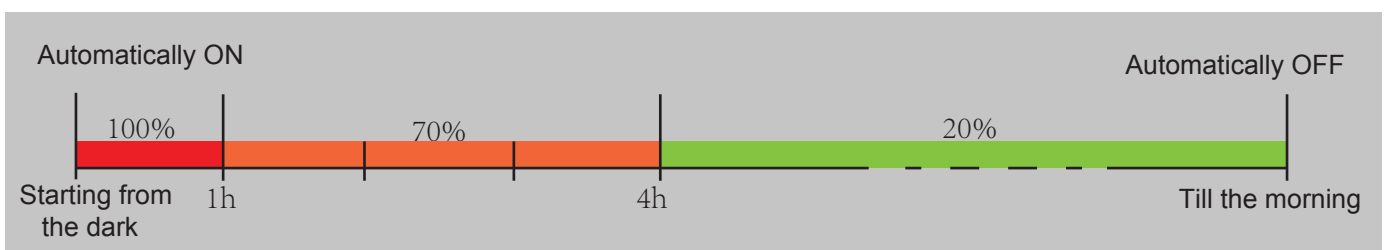
- High capacity
- No pollution and stable
- 5-8 years lifetime, ≥ 2000 times charge & discharge
- High temperature resistance

High quality body



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

Working mode

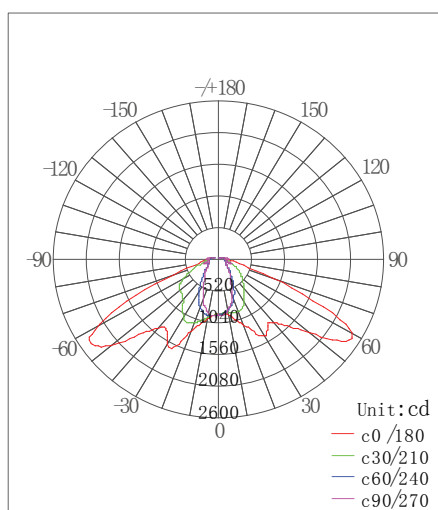


Applications:

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:

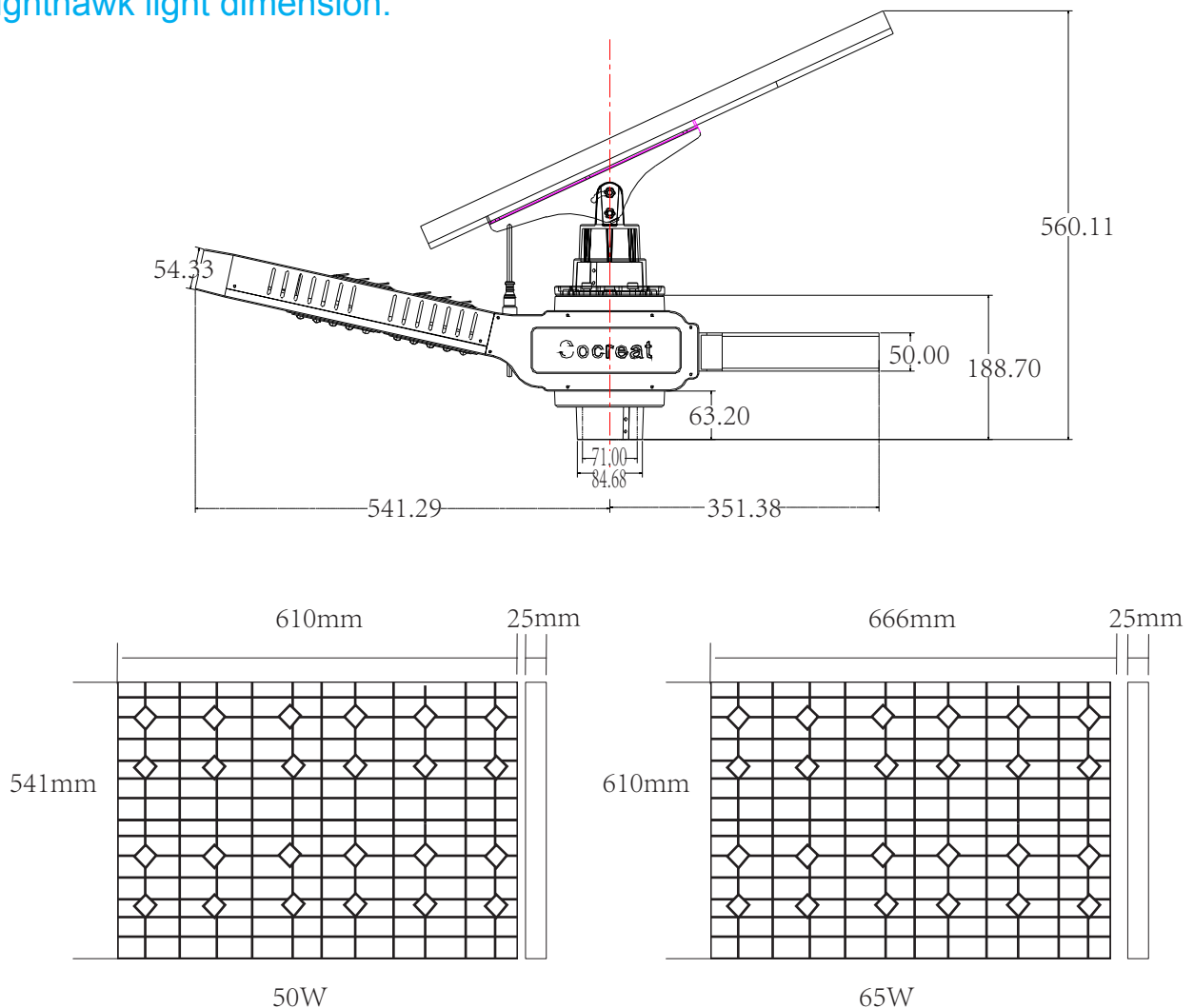
Type	SC-NH50-A	SC-NH65-A
Lamp power	20W	30W
Solar panel	50W/18V	65W/18V
Lithium battery	170WH	256WH
LED qty	40pcs	60pcs
Luminous flux	3200-3600lm	4800-5100lm
Charge time (full sunlight)	5hrs	5.5hrs
LED chip	Bridgelux	
Color temperature	3000-6500K	
CRI	≥70Ra	
Light control voltage	5V	
Light distribution	Batwing	
Lighting time	2-4 days	
Working temperature	- 20℃~ + 60℃	
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.

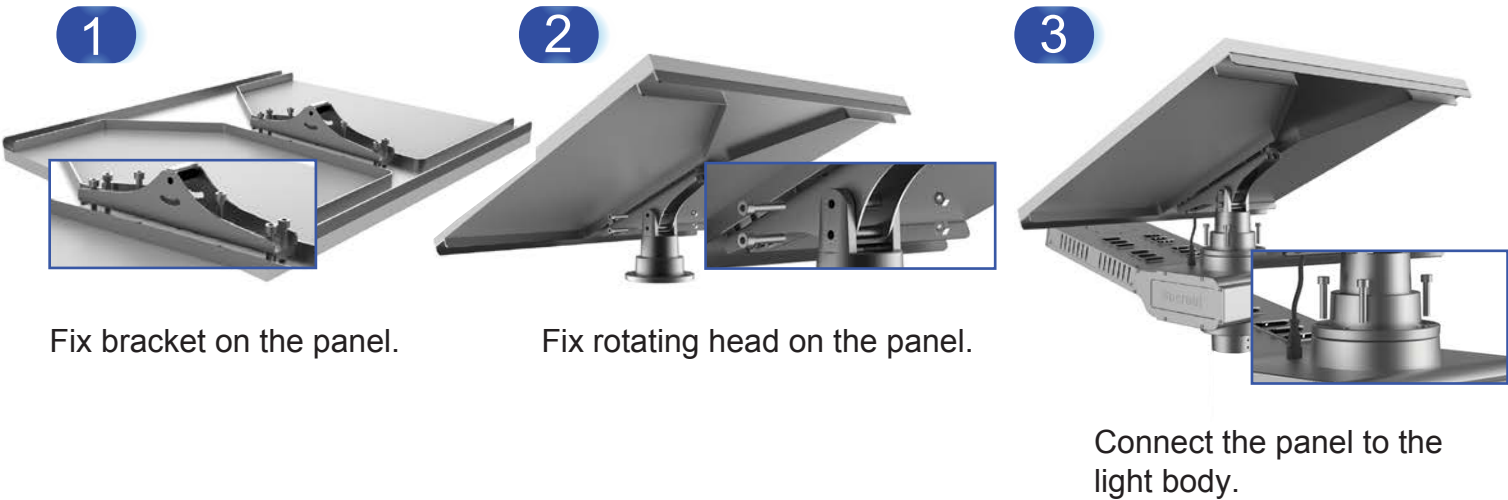
Using Instructions:

- 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°C 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:



Easy installation in 5 minutes!



Package specification:

Pack one lamp with two cartons.

Type	Parts	Box size(L*W*H)	Net Weight	Gross weight	20GP	40GP
SC-NH50-A	Lamp body	725*355*280mm	14.5kg	20kg	250sets	550sets
	Panel	675*605*67mm				
SC-NH65-A	Lamp body	725*355*280mm	15kg	21.5kg	230sets	520sets
	Panel	730*670*72mm				

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

