

User Manual

Solar Sky Lite - IR

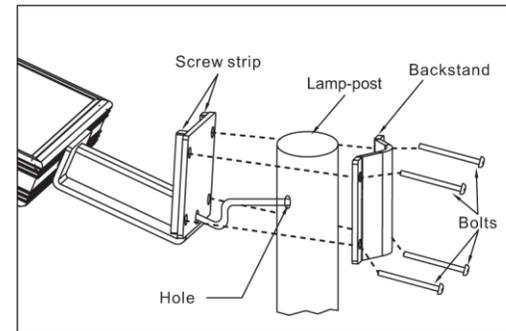
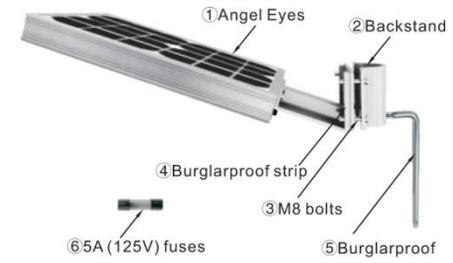
The Solar Sky Lite is an advance solar street light / courtyard light that incorporates a highly efficient solar panel, powerful lithium battery, and energy efficient LEDs into a small and compact easy to install package. And advance micro processor is integrated with an infrared sensor to automatically detect when persons are nearby to increase in brightness. The high brightness LED is maintenance free and provides powerful lighting in a small package. (5w Average equals 100w incandescent) Simply put this is one of the most energy efficient solar lighting products in the world.

Available Models

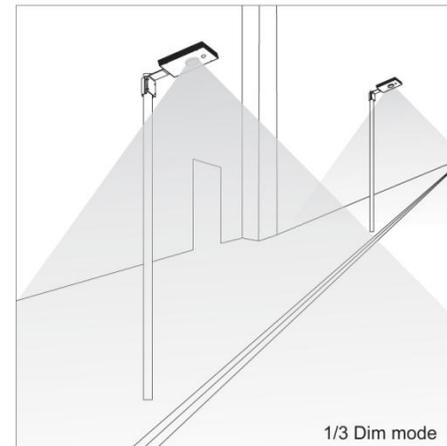
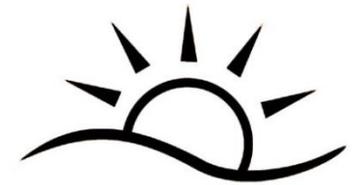
Physical Specification							
Light Source	5W LED lamp	5W LED lamp	8W LED lamp	8W LED lamp	8W LED lamp	5W LED lamp	10W LED lamp
Solar Module	8W	12W	12W	12W	18W	18W	23W
Lithium Battery	internal	internal	internal	internal	internal	internal	internal
AC Input	NO	NO	NO	100~240VAC	NO	NO	NO
Human Infrared Sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Over charge/discharge protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dimension	478(L) x 306(W) x 56(T)mm		568(L) x 306(W) x 56(T)mm		688(L) x 306(W) x 56(T)mm		818(L) x 306(W) x 56(T)mm
Net Weight	4.5 Kg	5.4 Kg	5.4 Kg	5.6 Kg	6.8 Kg	6.8 Kg	8 Kg
Light Output							
Luminous flux (typ.)	Bright mode: 410lm	410lm	680lm	680lm	680lm	410lm	810lm
	Dim mode: 120lm	120lm	200lm	200lm	200lm	120lm	270lm
View Angle	120°	120°	120°	120°	120°	120°	120°
Color Temperature	6000K~7000K	6000K~7000K	6000K~7000K	6000K~7000K	6000K~7000K	6000K~7000K	6000K~7000K
Light Sensitivity (typ.)	30 lx	30 lx	30 lx	30 lx	30 lx	30 lx	30 lx
Working Time*	Bright mode:	≥4 hrs	≥8 hrs	≥5 hrs	≥8 hrs	≥12 hrs	≥10 hrs
	Dim mode:	≥12 hrs	≥24 hrs	≥15 hrs	≥24 hrs	≥36 hrs	≥30 hrs
Environmental Rating							
Operating Temp. Range	Charging Temp.	0°C~+60°C					
	Discharging Temp.	-20°C~+60°C					
Storage Temperature Range	0°C~+45°C						
IP Rate	IP65						
Installation							
Recommended Installation Height Range	2.5~3m	2.5~3m	3~4m	3~4m	3~4m	3~4m	3~5m
Recommended Installation Distance of Poles Range	8~10m	8~10m	10~15m	10~15m	10~15m	8~10m	13~18m

Installation Guide:

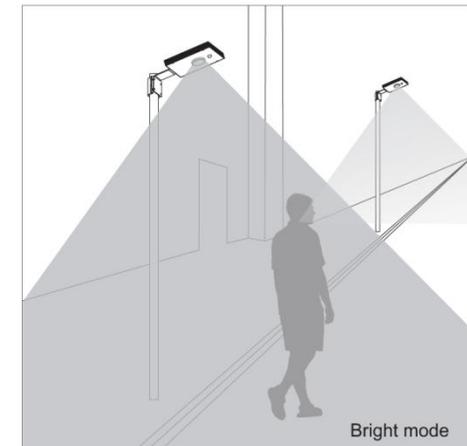
1. Install the lamp post in an area with maximum sunlight. Post should be 3-4M, diameter should be 50-90mm, thickness should be more than 2mm.
2. Please check if the parts are complete after opening the package.
3. Open the fuse socket know as shown to the right and remove the insulation film and or install the provided fuse and then tighten knob.
4. Mount the light on the post using the provided burglarproof bolts with the provided security wrench. The max torque for the M8 bolts is about 12Nm. Be sure the light is secured to the post firmly.



Installation figure



1/3 Dim mode



Bright mode