



## Helianthus AIO Solar Street Light



*Light Up a Brighter,  
Greener and Safer World with You*

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**Innovative Design  
Outstanding Performance**

# Helianthus AIO Solar Street Light



Helianthus AIO Solar Street Light is incorporate a self-contained solar power assembly sized to run the specified solar light fixture that provides user-friendly and cost-efficient street and area lighting systems without needing standard utility power



High Efficiency and long life Solar Panel



IP67 waterproof smart controller



Auto on and off from dusk to dawn



Deep discharge and water proof batteries

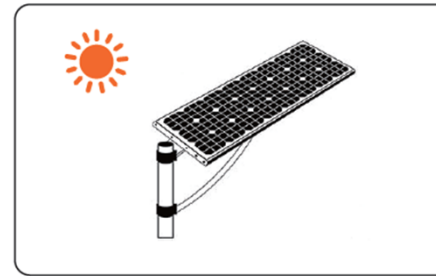


Dimmable high power LED

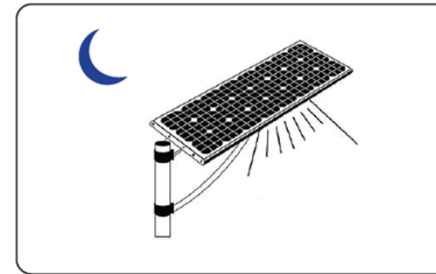


Motion detective sensor

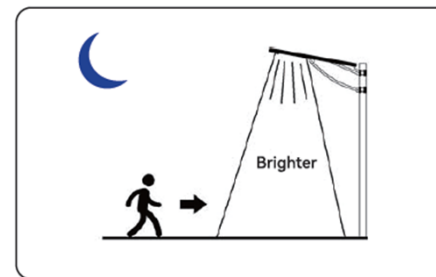
## How it works



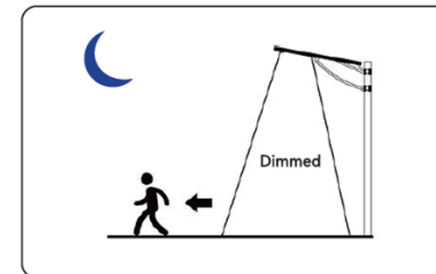
Battery gets charged through solar panel and solar charger controller in sunny daytime



Solar Light works at nights with power supply stored in the battery during daytime



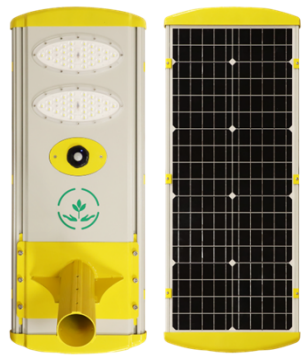
When people or cars come near, the light will be adjusted brighter automatically through the motion sensor incorporated



When there are no people or cars around, the light will be dimmed to a lower level to save energy for the solar luminaire

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## Products family



30-45W



60W



75W

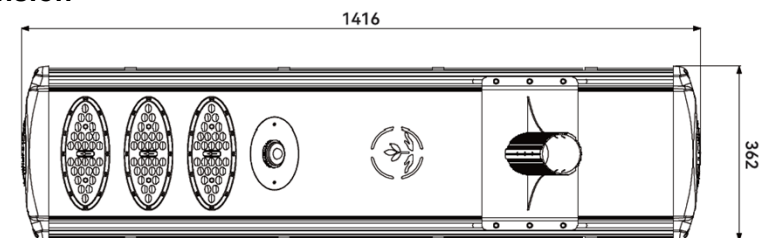


90W

## Parameters

	HJ30	HJ45	HJ60	HJ75	HJ90
LED Light Power	30 W	45 W	60 W	75 W	90 W
Solar Panel (Monocrystalline Silicon)	50 W	70 W	90 W	100 W	120 W
Battery (LiFePO4 Lithium Battery)	12.8 V 20 AH	12.8 V 36 AH	12.8 V 40 AH	12.8 V 50 AH	12.8 V 65 AH
LED chip Bridgelux 5050	56 pcs LEDs	56 pcs LEDs	84 pcs LEDs	112 pcs LEDs	140 pcs LEDs
Lumen Efficiency	150-160 lm/W	150-160 lm/W	150-160 lm/W	150-160 lm/W	150-160 lm/W
Product Dimension	916*363* 328 mm	1096*363* 328 mm	1416*363* 328 mm	1566*363* 328 mm	1726*363* 328 mm
Net Weight	11.6 kg	13.55 kg	17.8 kg	19.4 kg	22.45 kg
Suggest Installation Height	5-6 M	6-7 M	8-9 M	9-10 M	11-12 M
Charging Time	6-7 hours (with enough strong shine)				
Working Time	10-12 hours per day, sustain 3 rainy days				
Working Mode	PIR sensor and time schedule control				
Warranty	5 years				

## Dimension





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## Installation Manual

1. Open the package and check if components are completed Contained. (Lamp, sleeve and accessories)

M8 Allen screw



X 15

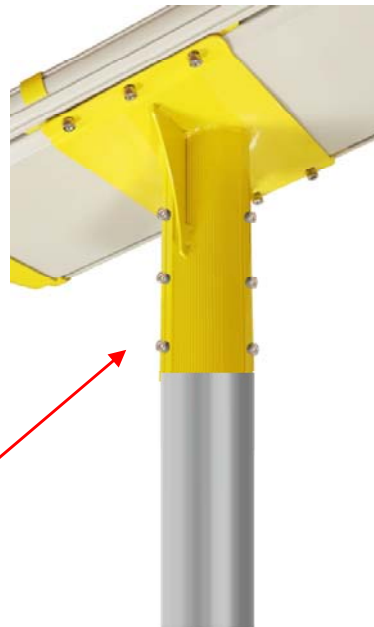
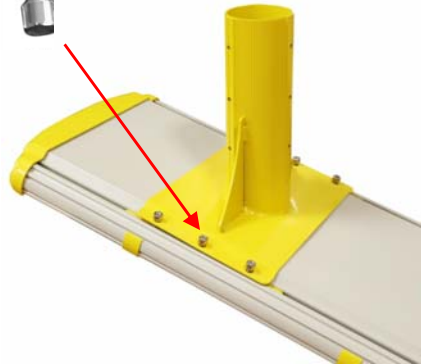
Allen Wrench



2 . Fix the base sleeve on the lamp body with M8 screw and tighten it, and Put the whole lamp on the top of the lamp pole and fix the M8 hex screw tightly.(as shown below)



X 6

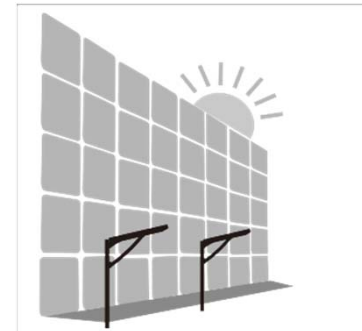
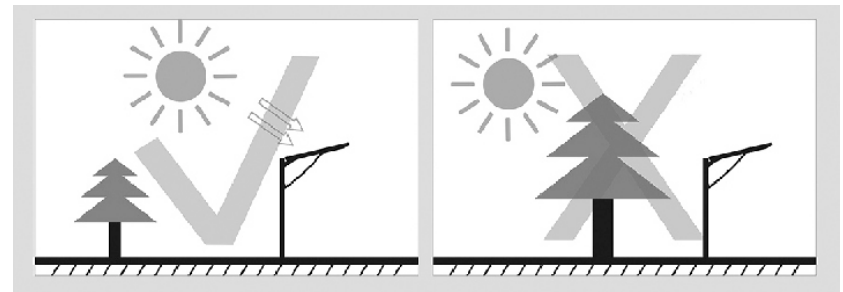


X 9

3. turn on the light with a small remote control.



## Installation Attentions



★ Please choose a place that is full of sunlight and can be completely exposed to the sun. Notice that the solar panels can not be covered, and must be exposed to the sun.

# Helianthus AIO Solar Street Light

## Attention:

- (1) All-in-one Solar street light will not work without sun. Please choose the matched model according to the local Sunlight intensity or the total annual radiation of solar energy. In the area of lacking sunlight or in long continuous rainy days, the working time of solar lights would be shortened or can not light up, All-in-one light with mains supply or solar dual-mode electric power supply is suggested to choose in such cases.
- (2) All-in-one Solar street light selects long life span lithium battery as energy storage device. Discharge condition at night is at temperature  $-20^{\circ}\text{C} \sim +75^{\circ}\text{C}$ , battery performance will be damaged beyond this range. Please make sure the local extreme temperature does not exceed the above condition when choosing the "All-in-one models.
- (3) All-in-one Solar street light after fully charged, the battery longest store time can be up to six months. Check the battery in time after long time transport or storage, charge and record it on a regular time. Otherwise, the battery will be damaged.
- (4) When installing All-in-one Solar street light, make the solar panel towards the direction of the sun as far as possible in order to get maximum energy and meanwhile avoid houses or the shadow of obstacles such as trees, otherwise it will reduce the generating efficiency of the solar panel, and due to a shorten working time.

- (5) All-in-one Solar street light, the clean-up performance of solar panel surface also affects the generating efficiency of the solar panel. So its surface needs to be cleaned, such as dust, leaves, greasy dirt, etc., scrubbed with ordinary cleaner on a regular time is suggested.
- (6) All-in-one Solar street light" its internal parts are with good waterproof design, all reach IP65 standard. Ventilation holes and cracks on the shell are specially designed for the cooling and drainage. Metal parts are all made of corrosion resistance aluminum or stainless steel, which can tolerate the strict environment of the sea or high heat and high humidity desert.



Turn off automatically  
when daybreak



Turn on automatically  
when getting dark

# Helianthus AIO Solar Street Light

## Project Reference



Canada

## Project Reference



Senegal



Eritrea



Malaysia