



CIRO 0911 series integrated solar lights integrated solar powered LED lighting solutions incorporate a self-contained solar power assembly sized light fixture that provides user-friendly and cost-efficient street and area lighting systems without the need for standard utility power. The highly reliable solar lighting system responds to the global green and sustainable energy initiatives. CIRO integrated solar LED lighting has been widely implemented on city roads, neighborhood streets, rural roads, parks, courtyard etc. and provides security and sustainability.

Features

- Designed to operate reliably and sustainably up to a 30-36 hours period
- Sufficiently designed autonomy for 2-3c continuous overcast or rainy days to ensure its reliable night light output
- Integrated design with all solar components packed in the same housing
- Wide and accurate light distribution to enable high utilization of light
- Theft and vandal resistant
- Easy to install and maintain
- High output lumen efficiency up to 160lm/W
- IP68 rated solar charger controller
- IK06

Materials

The integrated solar light housing is made from aluminum alloy

Storage battery

Deep discharge maintenance-free LiFePO4 lithium battery with expected service time of 5-7 years.

Autonomy days: 3-5 days, depending on the battery capacity and work modes.

Solar Module

Monocrystalline module with an expected service time of up to 25 years.

Rated output: 36-100W based on the system load.

Solar Charger Controller

Highly efficient MPPT solar charger controller, which can be programmable for the timing control, delays, and can work with infrared or microwave motion sensor to save energy for the solar lighting system, IP68 rated.

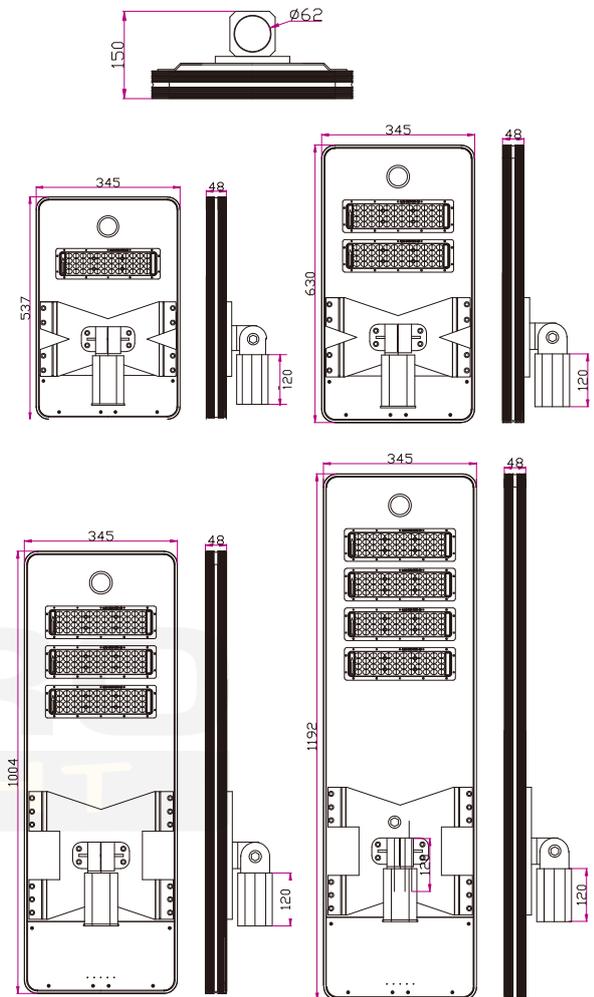
Motion Sensors

Highly sensitive power saving sensor such as infrared motion sensor and microwave sensor are available for power saving modes.

Application

Street lighting / Area lighting / Security lighting / Parking lot areas / Off-grid roads etc.

Dimensions:(mm)



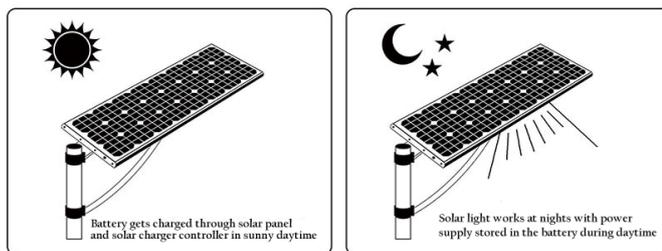


HOW IT WORKS

0911 Series AIO Solar LED Street Lights are equipped with three possible controls for intelligent street lighting. The luminaire will work automatically, there is no need for you to set manually.

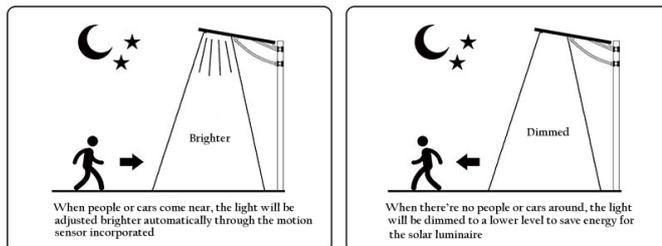
Daylight Control

The solar street light will be turned on and off automatically through charger controller with built-in dusk to dawn daylight control function.



Timing+Dimming Control

The solar street light can be programmed three levels of timing and dimming control function such as 50%*1+100%*3+30%*6 All the time and brightness schedules can be customized based on your specific requirement.



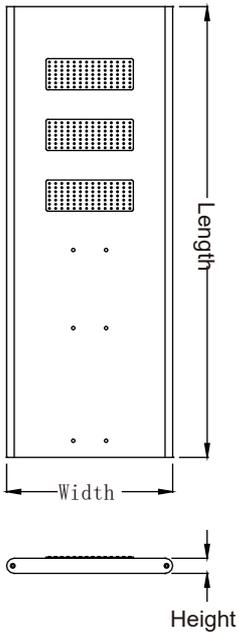
Motion Sensor+ Dimming Control+Optional Timing Control

When the solar luminaire is assembled with optional motion sensor, it can be set when people come nearby the solar luminaire. The brightness will be 100% . After people move away from the luminaire, the brightness will be adjusted to a lower level such as 20% to save the energy. The motion sensor can also work with three levels timing control function, the specific setting can be customized based on your requirement.

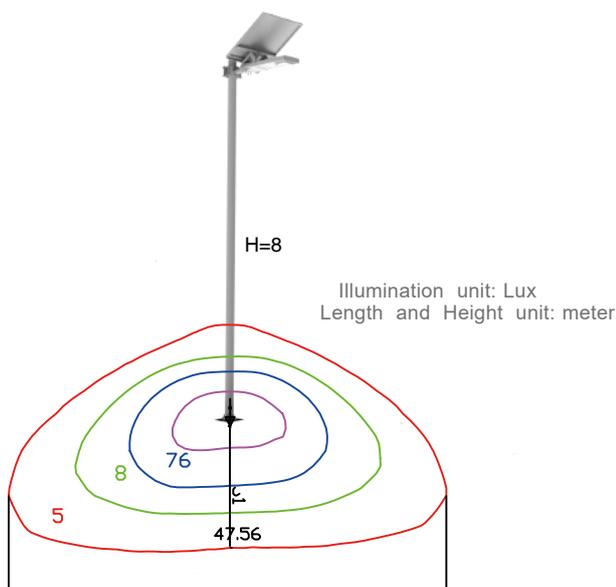
Specifications

Model	CIR-0911A50-01	CIR-0911B100-01	CIR-0911C150-01	CIR-0911D200-01
Nominal LED light power	50W	100W	150W	200W
LED chip Philips 3030	48pcs	96pcs	144pcs	192pcs
Mono-Crystalline Solar Panel	18V 36W	18V 45W	18V 65W	18V 88W
Charger controller	12V/24V	12V/24V	12V/24V	12V/24V
LiFePO4 Lighium Battery	12.8V/24Ah	12.8V/30Ah	12.8V/33Ah	12.8V/56Ah
Light distribution	Type III			
Colar temperature	6000K			
Charging Time	6-10Hr. Under strong sunshine			
Lighting controls available	pole ≤ 6m	Infrared / Microwave /+ Timing		
	6m < pole ≤ 8m	Microwave /+ Timing		
	pole > 8m	Timing Control		
Working <input checked="" type="checkbox"/> the	Full Bright	10Hr		
	Dim Mole	>30Hr		
Product Size (mm)	532*343*150	642*343*150	1004*343*150	1192*343*150
Net Weight	8KG	9.5KG	11KG	13KG
Recomanded Height	3-5M	5-7M	7-9M	9-12M
Recomanded Pole Distance	10-25M	15-21M	21-27M	21-27M
Working temperature	-20~+50 °C			
IP ra <input checked="" type="checkbox"/> g	IP65			

Dimentional Drawing



Lighting Distribution Coverage



The data above is 0911B100-01 Luminaire at full brightness for your reference.

Motion Sensor Detection Area

