

Specifications - ECO RAY Solar LED Street Light

Version: 3.0



Electrical Information					
Model No.	ECO RAY-030	ECO RAY -040	ECO RAY-060	ECO RAY080	SL01-100
Power Consumption (W)	30	40	60	80	100
Battery	LiFePO4 battery				
Battery Capacity (Wh)	76.8	153.6	230.4	307.2	460.8
Solar Panel	Mono-crystalline solar panel				
Solar Panel Wattage (W)	39	52	66	90	113
Charging Time (Hours)	2.5h	3.5h	4h	4h	4.5h
Operating Time	Full power on 3-5 hours, Intelligent mode: 3 days				
Solar Charge Controller	MPPT				
Control	Microwave induction				

* The tolerance for power is ±5%.

Optic Information					
LED Type	LED 2835				
Luminous Flux (lm)	5850	7800	11700	15600	19500
Efficacy (lm/W)	195				
Correlated Color Temperature	4000K (3000K, 5000K optional)				
Color Rendering Index	Ra70 (Ra80 optional)				
Beam Angle	R13802			R20402	
UGR level	N/A				

* The tolerance for luminous flux is ±10%.

Description

ECO RAY is a full range solar street light, five sizes cover 30W, 40W, 60W, 80W and 100W, well satisfy different applications. Smart control with built-in microwave motion sensor and timer dimming. Adjustable mounting angle, adjustable LED module and removable battery for easy installation, maintenance and replacement.

- Key Features**
- All in one design, efficiency up to 195lm/W.
 - Built in microwave motion sensor and timer dimming function
 - Higher conversion Mono-crystalline photovoltaic solar panel.
 - Luminaire size length and width can be customized.
 - Solar panel and battery configurations can be customized.
 - Easy maintainance with removable battery.
 - LED module is adjustable.

Dimensions and Mount						
Luminaire	Dimension (mm)	663×363×75	848×363×75	1075×363×80	1098×493×80	1358×493×80
	Net Weight (kg)	7.7	8.9	11.8	15.8	18
	Export Carton Size (mm)	700×400×120	895×400×120	1115×400×120	1135×525×150	1400×525×150
	Gross Weight (kg)	9.3	10.8	14.4	19	21.6
Mounting Option		Post top mount				
		Aluminum alloy				
Material		Polycarbonate optical lens				
		LiFePO4 battery				
		Mono-Crystalline solar panel				
Finish		Powder coating				
Fixture Color		Silver gray (RAL870-3)				
EPA		2.69ft²/0.21m²		3.44ft²/0.27m²		4.37ft²/0.34m²
IP Rating		IP66				
Category of corrosion		C4(ISO 9223:2012)				

* The tolerance for weight is ±6%.

Lifespan and Warranty	
Operating Temperature (°C)	0 to + 50
Life Time of LED @Ta=25°C (hours)	40000hrs-L90
	82000hrs-L80
	131000hrs-L70
Warranty (years)	Battery 3
	Other accessories 5

- Applications**
- Rural roadway
 - Urban road
 - Walk path
 - Courtyard
 - Parking lot
 - Park
 - Plazas



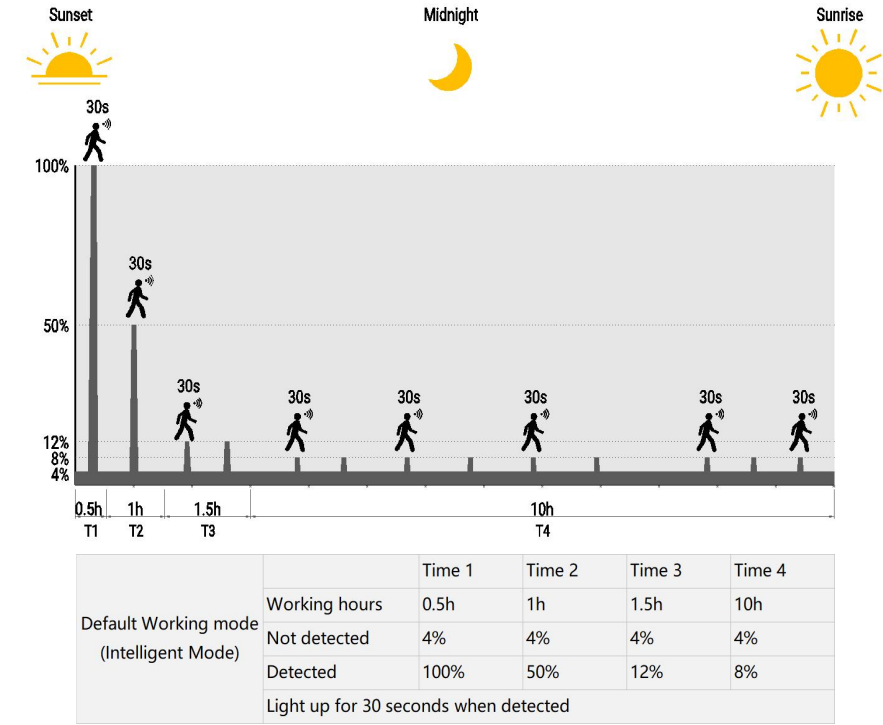
* Please consult us for details.

Mounting Option

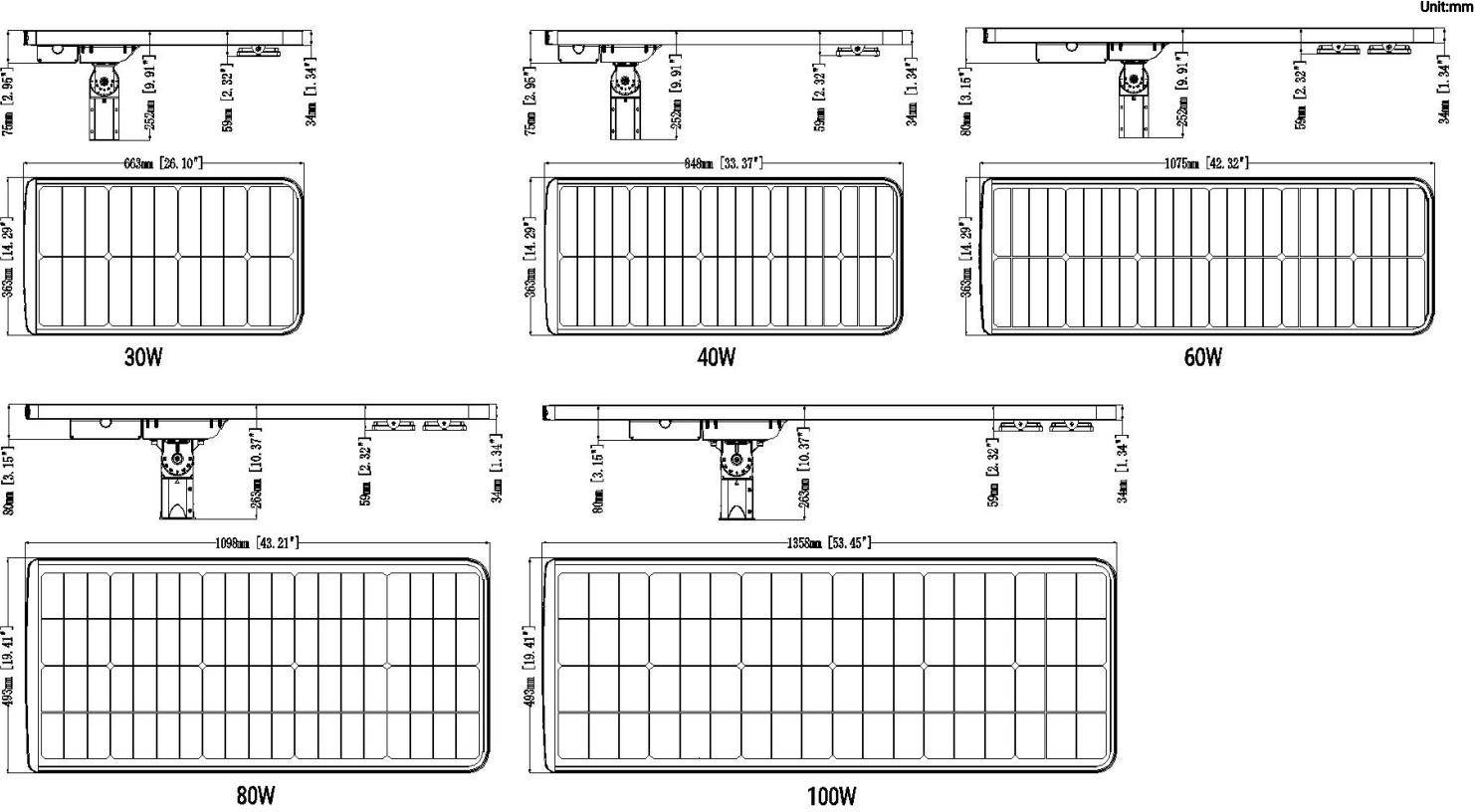
Post Top Mount



Intelligent Control Mode



Dimensions



Accessories

