

## Description

SL01 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

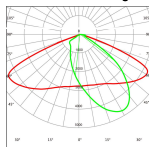
- All in one design, efficiency up to 195lm/W.
- Built in microwave motion sensor and timer dimming function
- Higher conversion Mono-crystalline photovoltaic solar panel.
- Luminaire size length and width can be customized.
- Solar panel and battery configurations can be customized.
- Easy maintenance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

## Applications

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

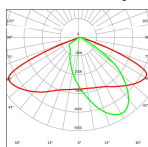
## Photometry

30W-60W beam angle



R13802

80W-100W beam angle



R20402

## Electrical Information

Model No.	CPS-SL01-030	CPS-SL01-040	CPS-SL01-060	CPS-SL01-080	CPS-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  $\pm 5\%$ .

## 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  $\pm 10\%$ .

## 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				
Material		Aluminum alloy				
		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	6.06ft²/0.47m²	7.49ft²/0.58m²	
IP Rating		IP66				
Category of corrosion		C4(ISO 9223:2012)				

\* The tolerance for weight is  $\pm 6\%$ .

## 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				

## New Features

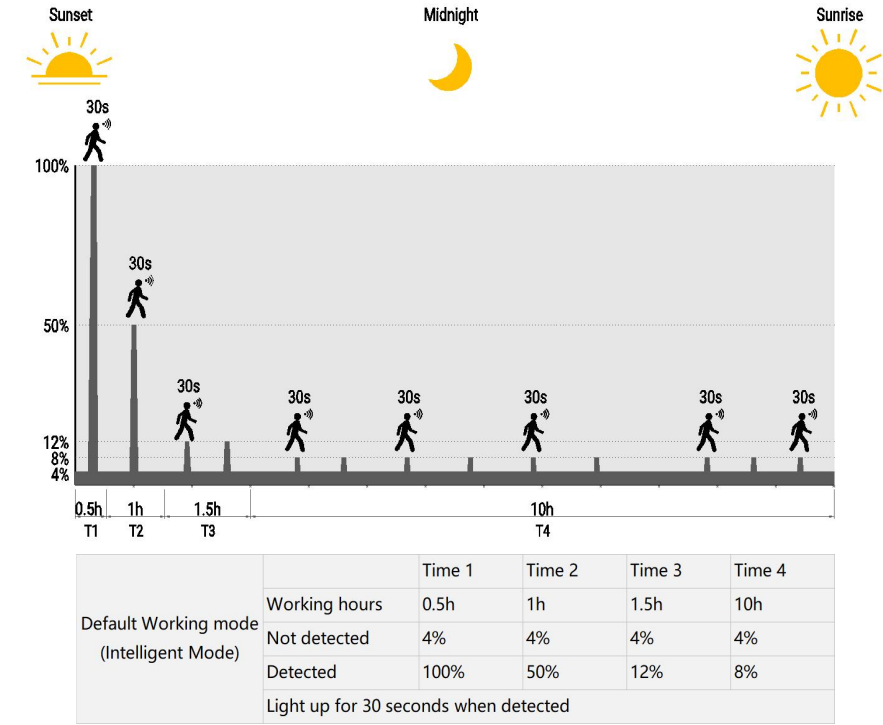
*\* Please consult us for details.*

Mounting Option

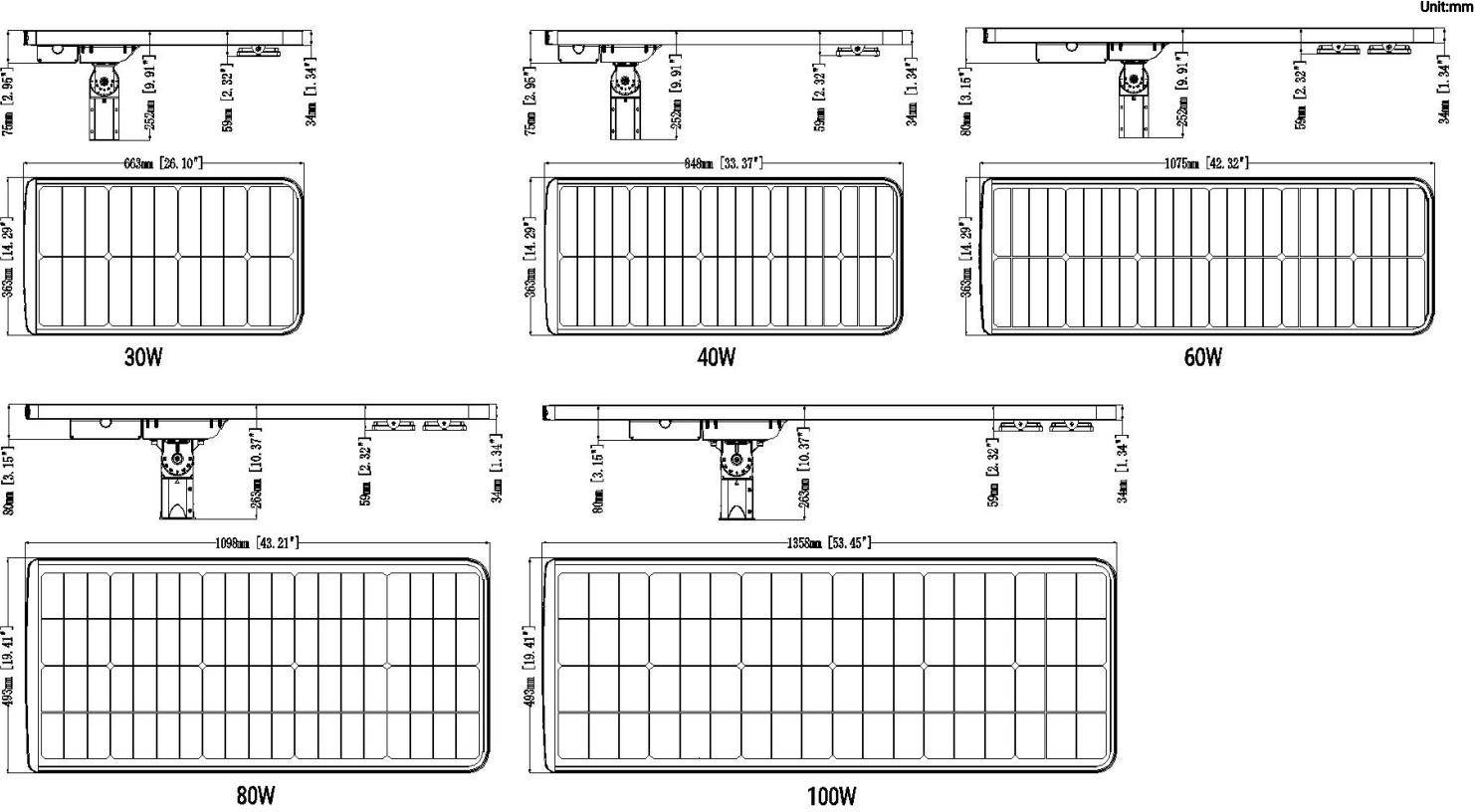
Post Top Mount



Intelligent Control Mode



Dimensions



Accessories

