



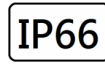

SOIN

All In One Solar Street Light 10W-60W



- Low operation cost: All in one design is Integrated with solar panel, battery, controller & Sensor, easy to install, no need for wiring, brings light to areas without access to electric grid. The operation cost is very low.
- Safety upgrade: Without external wires, the risk of accidents are minimized.
- Environment protection: Electricity produced from solar panels is non-pollutive, environmentally friendly.
- Low-energy consumption: Ours solar street light together with a motion detector, offers a solution of low energy consumption, long-lasting and high-luminance as well as free maintenance
- Flexible working mold: available for different kinds of working mold, for different seasons and weather.
- Quick charge: adopted mono-crystalline solar panel,with high conversion rate, realize quick charge to battery.

Technical Data

Installation method / 安裝方式 / Metodo de instalacion	Pole Mount / Wall Mount / Corner Mount 桿式安裝 / 壁式安裝 / 角落安裝 Montaje en poste / Montaje en pared / Montaje en esquina
Power Consumption / 燈具功率 Consumo de energía	10W 20W 30W 40W 50W 60W
Input Voltage / 輸入電壓 / Voltaje de entrada	AC220-240V 50-60Hz PF>0.9
Solar Panel Wattage / 太陽能板瓦數 Potencia del panel solar	30W @ 10W / 20W / 30W 60W @ 40W / 50W / 60W
Solar Panels / 太陽能板 / Paneles solares	Mono-crystalline solar panel
Type of battery / 電池類型 Tipo de batería	LiFePO4 Battery / 磷酸鋰電池 Batería LiFePO4
Battery Capacity / 電池容量 Capacidad de la batería	76.8Wh-6Ah @ 10W 153.6Wh-12Ah @ 20W 230.4Wh-18Ah @ 30W 307.2Wh-24Ah @ 40W 384Wh-30Ah @ 50W 460.8Wh-36Ah @ 60W
Operating Time / 工作時間 Tiempo de funcionamiento	Normal mode with 100% brightness>8hours, Intelligent mode 3-4 days 普通模式100%亮度>8小時, 智慧模式3-4天 Modo normal con brillo del 100 % >8 horas, modo inteligente 3-4 días
Charging Time / 充電時間 / Tiempo de carga	10W > 3 Hours 20W > 6 Hours 30W > 9 Hours 40W > 6 Hours 50W > 7 Hours 60W > 9 Hours
Control Mode / 控制方式 / Modo de control	Timmer dimming & PIR sensor 定時器調光和 PIR 感測器 Atenuación temporizada y sensor PIR
Timing parameters / 時序配置參數 Parámetros de sincronización	Refer to Factory Default Setting
AC Hybrid Version / 交流混合版 Versión híbrida de CA	Optional : No or Yes
"Lumen Maintenance LM-80 Reported by TM-21"	L70 > 54,000 hrs
LED Life-LED壽命-La vida del LED	>100,000 hours
Color Temperature / 色溫 Temperatura del color	3000K / 4000K / 5000K
Color Rendering Index / 顯色指數 Índice de reproducción cromática	Ra >70 Ra > 80 Optional
Luminaire Efficiency / 燈具光效 Eficiencia de la luminaria	Ra:70: 190 LM/W(3000K) 200 LM/W(4000K) 200 LM/W(5000K) Ra:80: 170 LM/W(3000K) 180 LM/W(4000K) 180 LM/W(5000K)
Light Distribution / 光分佈 Distribucion de luz	Refer to Beam Angle
Housing materials / 外殼材料 Materiales de vivienda	Die Casting Aluminium Housing & Polycarbonate optical lens 壓鑄鋁外殼和聚碳酸酯光學透鏡 Carcasa de aluminio fundido a presión y lente óptica de policarbonato
Housing Color / 外殼顏色 / Color de la carcasa	Silvery
Ingress Protection / 防護等級 / Protección de ingreso	IP66
Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento	0 °C / +50 °C
Certification	   

Project	Fixture#	Date
		Firm

Ordering Information

Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.

Example product code: [SOIN-50W](#)

SOIN - -

POWER

POWER	
Code	Description
10W	10W 807X301X148mm
20W	20W 807X301X148mm
30W	30W 807X301X148mm
40W	40W 965x429x187mm
50W	50W 965x429x187mm
60W	60W 965x429x187mm

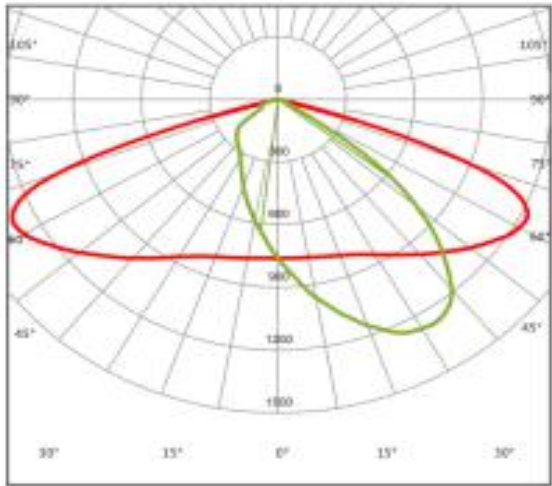


Side Entry Mount

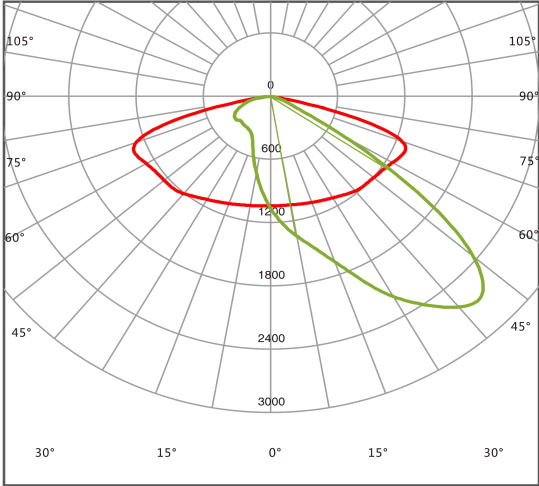


Post Top Mount

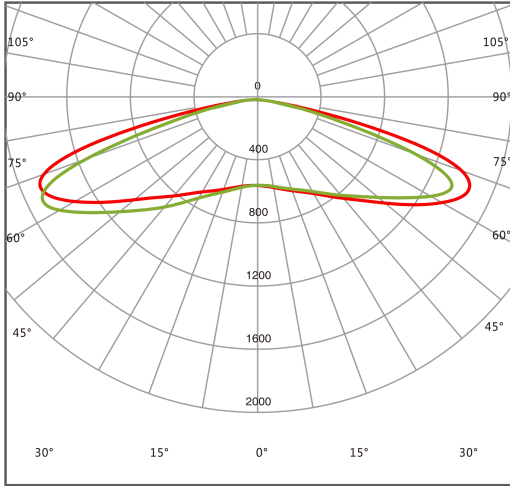
BEAM ANGLE



A1



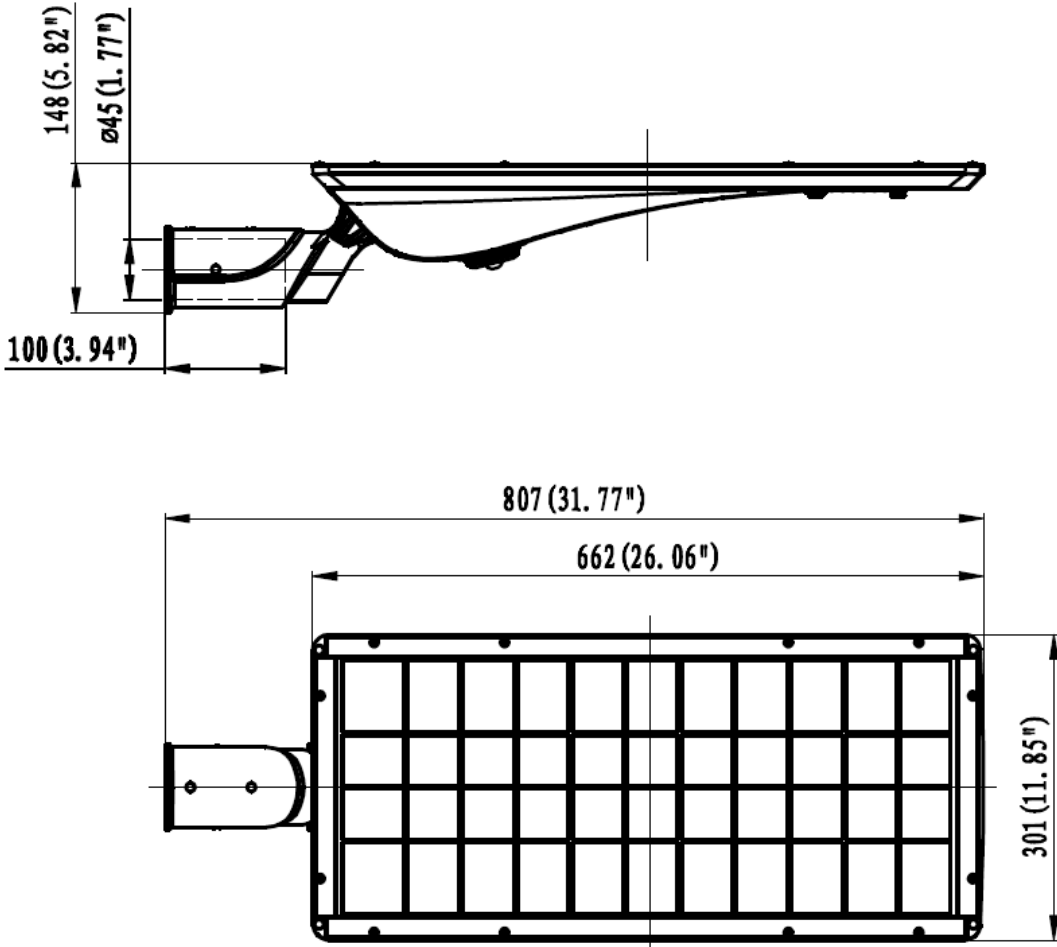
A2



A3

Technical Drawing

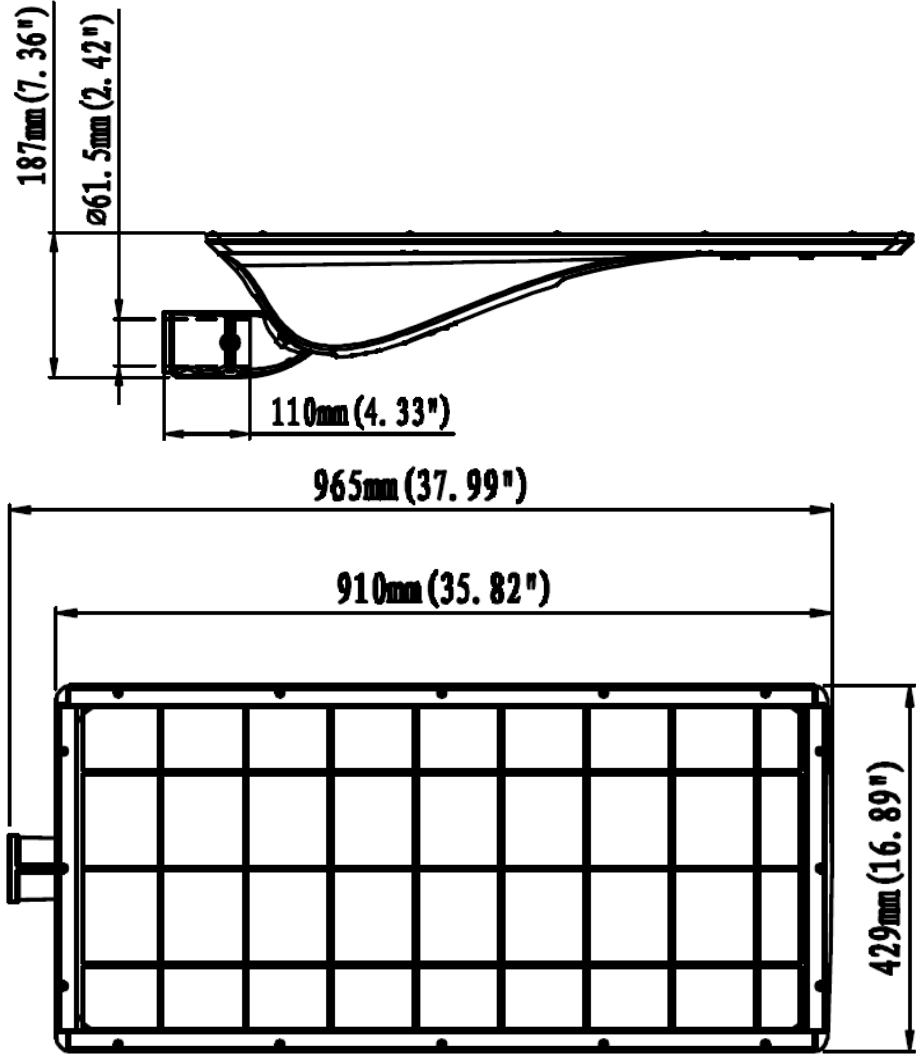
10W,20W,30W



Unit: mm

Technical Drawing

40W,50W,60W



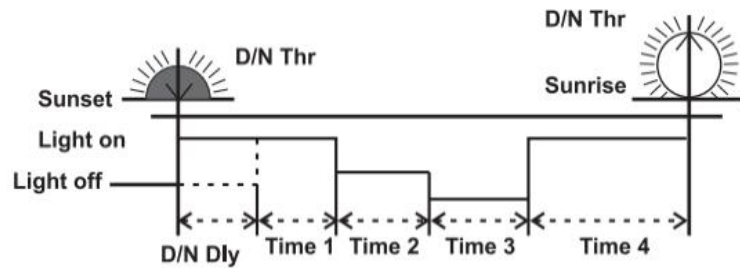
Unit: mm

Intelligent Control Mode

Main Function

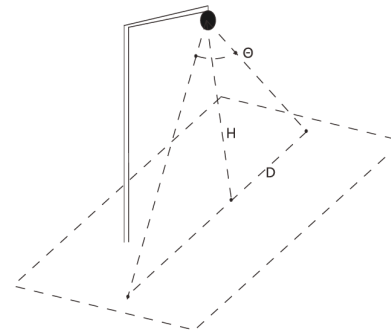
This is hybrid solar energy street light. When the battery storage is insufficient (the battery voltage is lower than 9.6V), the Luminaire will automatically switch to the mains power supply. When the solar power supply restores the voltage, the system will automatically cut off the mains power supply and restore the solar power supply.

4 Stages Night Mode



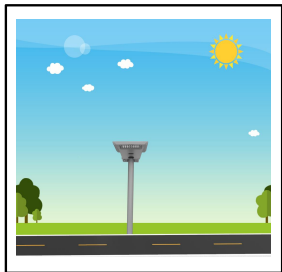
*You can set the fixtures with 4 stages timer dimming yourself by the remote control.

PIR Sensor Detect Areas



Infrared sensor
 θ (Angle): 60°
 H(Height): 6m
 D(Width): 7m

Factory Default Setting:



With sufficient natural light, the light keeps charging.



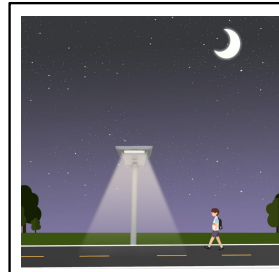
The light keeps 100 brightness for 0.5 hour. (PIR suspended operation)



The light keeps 50 brightness when presence is detected in the 1st 4hours.



The light keeps 10% when there is no presence is detected after 30S hold time in the 1st 4 hours.



The light keeps 20% brightness when presence is detected in the 2nd 4hours.



The light keeps 10% when there is no presence is detected after 30S hold time in the 2nd 4hours.



The light keeps 10% brightness for 3hours until the sunrise.

The Controller recognizes day and night based on the Solar Array Open Circuit Voltage, this day/night threshold can be modified according to local light conditions and the Solar Array Used, setting range 3.0-8.0V .

Accessories

Optic lens



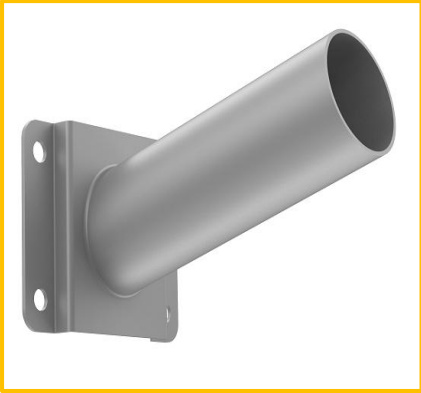
Remote controller



Pole mount spigot



Wall mount adaptor



Corner mount adaptor

