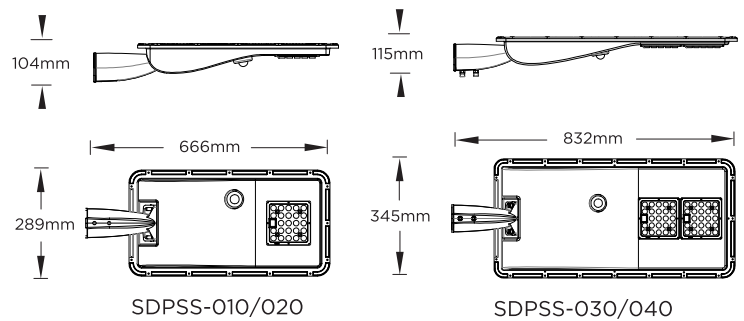## ⚠ WARNING

1. If a fitting is found to be damaged, cease use immediately.
2. The installation should be performed by qualified electricians or lighting technicians.
3. This solar light will not charge correctly if the panel is behind glass or artificial light is used.
4. If there is any problem with the fixture, DO turn off power and DO NOT attempt repair unless you are a qualified technician or the customer service member.
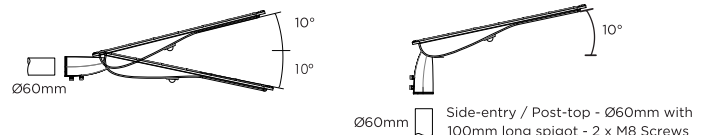
TECHNICAL SPECIFICATION:

★ Beam Angle: Optic SR (Standard Road)
★ Luminous Efficacy: 180lm/W
★ Color Rendering Index: ≥80Ra
★ LED Type: LM80 3030LEDs
★ Solar Panel: Mono-si
★ Battery: LiFePO4
★ Solar Charge Controller: MPPT
★ Charging Time: 5-6Hours (Peak Sun Hour)
★ Sensor Type: Infrared Induction
★ Sensing Delay: 10s
★ Operating Hours: >3 days
★ Operating Temperature: -10°C to 50°C
★ Mounting Option: Side-entry-Ø60mm / Post-top-Ø60mm
★ Mounting Height: 3-6m

Please read these instructions carefully before installing your light

Before installing your solar street light please consider the location and shadows created throughout the day that fall upon the solar panel. Any shade may impact upon performance of the lamp at night.

OPERATION MODE AND LIGHTING SCHEDULE:

In addition to automated dusk-to-dawn, you have the possibility of choosing among different modular operating modes according to the needs of the project. The all-in-one solar street light has 3 of the most popular program pre-set. You can select them by using the mini remote controller provided in the package.

Control Mode Program:
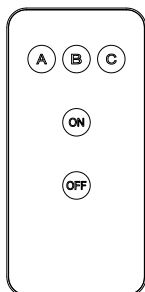
PROGRAM A(DEFAULT):
ECO MODE(Maximum Operating Hours)
Off until PIR sensor activated by movement, on 10 seconds

PROGRAM B: STANDARD MODE
30% Brightness, Full Brightness when PIR sensor activated by movement for 10 seconds

PROGRAM C: HIGH POWER MODE UNTIL DEPLETED
On at dusk until battery depleted (typically 3-6 hours in winter - Only recommended for installations requiring light for a few hours after dusk ie. workplaces, retail etc.)

NOTE:
Load adjust according to battery capacity assuring all night long lighting in any weather condition.

104mm / 666mm / 289mm **SDPSS-010/020**

115mm / 832mm / 345mm **SDPSS-030/040**

INSALLATION:

This all-in-one solar street light is 60mm Side-entry/ Post-top as standard.

10° / 10° / Ø60mm

Ø60mm — Side-entry / Post-top - Ø60mm with 100mm long spigot - 2 x M8 Screws

TURN LIGHT ON/OFF:

To turn on and off the light, use the push button located at the bottom of the fitting, see fig.1.

Fig.1

ON: Button is released

OFF: Button is pushed in

For First Time Use: After turning light on, controller will start self testing function and LEDs on sensor head will flash in turn.

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The remote control needs to be pointed in the direction of the sensor head.

NOTE: Installation of LED luminaire with modification to the unit, or incorrect fitting in accordance with the above instructions could result in damage/failure of the luminaire, which may invalidate warranty.

INTELLIGENT POWER SAVING MANAGEMENT

Intelligent power saving management is applied to assure maximum operating hours in any weather conditions by adjusting load power according to battery capacity.

Load Power VS Battery Capacity
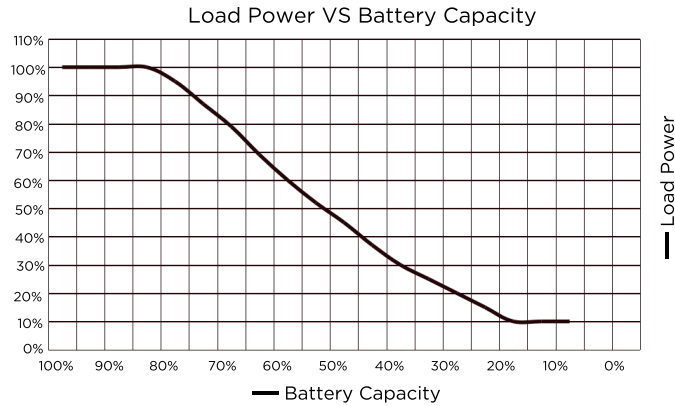
INFRARED INDUCTION MODE:

Pyroelectric infrared sensors detect changes in heat (infrared radiation) emitted from the human body and so on. Sensitivity is affected by ambient temperature. Sensor will be less sensitive when ambient temperature is close to human body temperature.
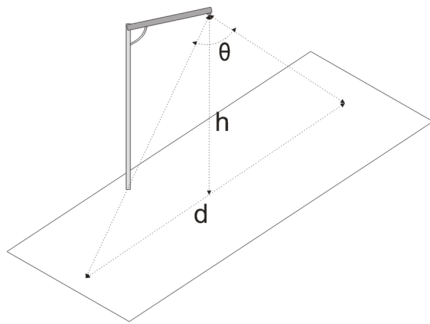
Induction Mode	θ (Angle)	H (height)	D (width)
Infrared induction	60°	6m	8m

Note: Recommend mounting height 3-6M.

SENSOR INDICATOR:

INDICATORS		STATUS	INDICATOR EXPLANATION
	Battery Indicator (Blue)	Steady On	Battery works properly
		Off	Battery has no output voltage
		Quick Flash (every 0.5 seconds)	Battery is over-discharged
	PV Indicator (Red)	Steady On	Battery is fully charged
		Off	Solar panel voltage is lower than light control voltage
		Quick Flash (every 0.5 seconds)	In charging
		Slow Flash (every 5 seconds)	Protection for over temperature/power or voltage
	Load Indicator (Green)	Steady On	Load is turned on
		Off	Load is turned off
		Quick Flash (every 0.5 seconds)	Load is short-circuited
		Slow Flash (every 5 seconds)	Protection for over temperature/power or voltage
	Sensor Indicator (Yellow)	Steady On	Sensor activated