



SunStay - All In One solar street light

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire. Pressure die cast aluminium for sturdiness and long life. Specially designed pole mounting bracket allows different tilt angles, lateral and pole top mounting.

Benefits

- Brings light to areas without access to electric grid
- Saves energy
- Preserves landscape as no trenching for cabling required
- Environment friendly
- Sturdy construction for long life

Applications

- Class A & B roads
- Rural areas
- Parks, pedestrian path lighting
- Industries, office, schools
- Shopping centers, corporate campuses, plazas

Features

- High luminous efficacy of 175 lm/Watt to maximize battery performance
- Replaceable Lithium Ferro Phosphate battery for long life and hassle free operations.
- MPPT charge controller for maximum efficiency
- Pressure die-cast aluminum housing for sturdiness and excellent heat dissipation.
- Specially designed pole mounting bracket with adjustable tilt angles of 0 to 15 degrees, which can also be used in post top & lateral mounting positions
- Factory set dimming profile along with PIR sensor for run time maximization.
- Self diagnostic feature along with battery charging, discharging & cut-off LED Indicators

Versions



SunStay Hybrid



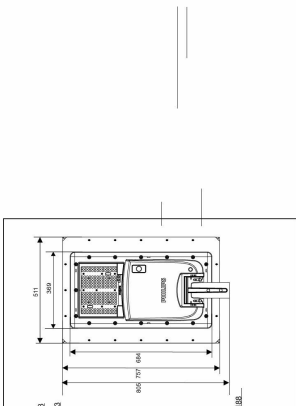
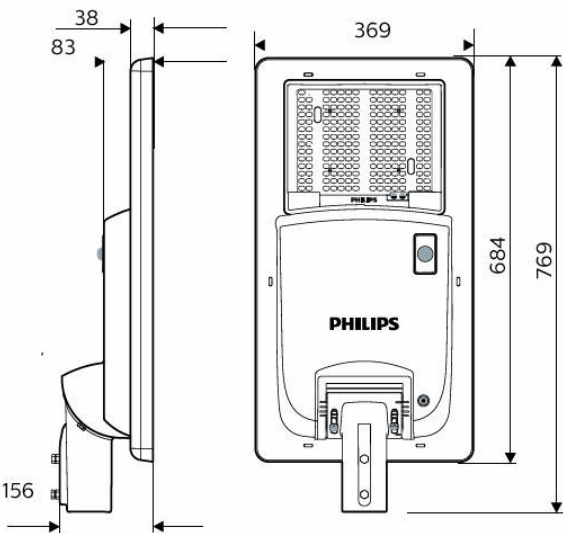
standard shot sunstay



SunStay 4500 Lumen

Dimensional drawing

Dimensions



Sunstay 4500

PHILIPS

Sunstay dimensions

Light Technical

Color rendering index (CRI) >70

Operating and Electrical

Battery type	Lithium Ferro Phosphate
Battery voltage	12.8 V
Battery charging & discharging cycles	2000
Panel voltage	17 Vmp, 21 Voc V
Charge controller type	MPPT
Charge controller wattage	35 W
Cable connection kit	Included

Controls and Dimming

Dimmable	Yes
Configurability	Factory Configurable

Mechanical and Housing

Battery location	Inside Luminaire
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]

Approval and Application

Ambient temperature range	0 to +35 °C
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Application Conditions

Ambient temperature range for charging	0 °C to +45 °C
Ambient temperature range for discharging (when light is on)	-20 °C to +35 °C

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	4000 K
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	5700 K
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	5700 K
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	5700 K

Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Panel type	Panel peak wattage	Grid connection type
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	30 Ah	Mono crystalline	60 W	Hybrid
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	13.6 Ah	Poly crystalline	28 W	Off grid
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	20 Ah	Mono crystalline	35 W	Off grid
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	30 Ah	Mono crystalline	60 W	Off grid

Controls and Dimming

Order Code	Full Product Name	Solar dimming profile
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	4hrs 100% + 8 hrs 20%
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	5hrs 100% + 7 hrs 30%

Mechanical and Housing

Order Code	Full Product Name	Housing Color	Overall length	Overall width	Overall height
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	RAL 7011	757 mm	511 mm	188 mm
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	Gray	684 mm	369 mm	156 mm
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	Gray	684 mm	369 mm	156 mm
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	Gray	757 mm	511 mm	188 mm

