



SunStay - All In One solar street light

SunStay

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

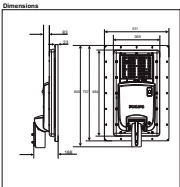
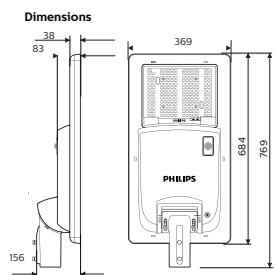
Features

- 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

Application

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

Dimensional drawing



PHILIPS

Light Technical	
Color rendering index (CRI)	>70
Operating and Electrical	
Battery charging & discharging cycles	2000
Battery type	Lithium Ferro Phosphate
Battery voltage	12.8 V
Charge controller type	MPPT
Grid connection type	Off grid
Panel voltage	17 Vmp, 21 Voc V
Controls and Dimming	
Dimmable	Yes
Configurability	Factory Configurable
Mechanical and Housing	
Battery location	Inside Luminaire
Housing Color	Gray
Ingress protection code	IP65
Approval and Application	
Ambient temperature range	0 to +35 °C
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)
919515812966	BRP710 LED20 WW MR 12V LFP Solar	3000 K
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	3000 K
919515813569	BRP710 LED45 NW MR S1 12V LFP Solar	4000 K
919515813570	BRP710 LED45 WW MR S1 12V FD30 Solar	3000 K

Operating and Electrical

Order Code	Full Product Name	Battery	Panel peak	Panel type
		ampere hour	wattage	
919515812966	BRP710 LED20 WW MR 12V LFP Solar	13.6 Ah	28 W	Poly crystalline
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	20 Ah	35 W	Mono crystalline

Order Code	Full Product Name	Battery	Panel peak	Panel type
		ampere hour	wattage	
919515813569	BRP710 LED45 NW MR S1 12V LFP Solar	30 Ah	60 W	Mono crystalline
919515813570	BRP710 LED45 WW MR S1 12V FD30 Solar	30 Ah	60 W	Mono crystalline

Controls and Dimming

Order Code	Full Product Name	Solar dimming profile
919515812966	BRP710 LED20 WW MR 12V LFP Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)

Order Code	Full Product Name	Solar dimming profile
919515813569	BRP710 LED45 NW MR S1 12V LFP Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515813570	BRP710 LED45 WW MR S1 12V FD30 Solar	5hrs 100% + 7 hrs 30%

Mechanical and Housing

Order Code	Full Product Name	Overall	Overall	Overall
		height	length	width
919515812966	BRP710 LED20 WW MR 12V LFP Solar	156 mm	684 mm	369 mm
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	156 mm	684 mm	369 mm

Order Code	Full Product Name	Overall	Overall	Overall
		height	length	width
919515813569	BRP710 LED45 NW MR S1 12V LFP Solar	188 mm	757 mm	511 mm
919515813570	BRP710 LED45 WW MR S1 12V FD30 Solar	188 mm	757 mm	511 mm

