



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

Versions

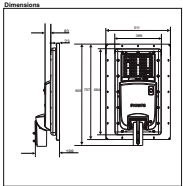


SunStay Hybrid



SunStay 4500 Lumen

Dimensional drawing



PHILIPS

Light Technical	
Color rendering index (CRI)	>70
Operating and Electrical	
Battery ampere hour	30 Ah
Battery charging & discharging cycles	2000
Battery type	Lithium Ferro Phosphate
Battery voltage	12.8 V
Charge controller type	MPPT
Panel peak wattage	60 W
Panel type	Mono crystalline
Panel voltage	17 Vmp, 21 Voc V
Controls and Dimming	
Dimmable	Yes
Configurability	Factory Configurable
Mechanical and Housing	
Battery location	Inside Luminaire
Ingress protection code	IP65
Overall height	188 mm
Overall length	757 mm
Overall width	511 mm
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)
50185000	BRP710 LED60 CW MR HY FDIM20 SOLAR	5700 K
36234200	BRP710 LED45 NW MR S1 12V LFP Solar	4000 K

Operating and Electrical

Order Code	Full Product Name	Cable connection kit	Charge controller wattage	Grid connection type
50185000	BRP710 LED60 CW MR HY FDIM20 SOLAR	Included	35 W	Hybrid

Order Code	Full Product Name	Cable connection kit	Charge controller wattage	Grid connection type
36234200	BRP710 LED45 NW MR S1 12V LFP Solar	-	-	Off grid

Controls and Dimming

Order Code	Full Product Name	Solar dimming profile
50185000	BRP710 LED60 CW MR HY FDIM20 SOLAR	4hrs 100% + 8 hrs 20%

Order Code	Full Product Name	Solar dimming profile
36234200	BRP710 LED45 NW MR S1 12V LFP Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)

Mechanical and Housing

Order Code	Full Product Name	Housing Color
50185000	BRP710 LED60 CW MR HY FDIM20 SOLAR	RAL 7011

Order Code	Full Product Name	Housing Color
36234200	BRP710 LED45 NW MR S1 12V LFP Solar	Gray

