



# 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

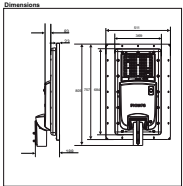
- Class A & B roads
- Rural areas
- Parks, pedestrian path lighting
- Industries, office, schools
- Shopping centers, corporate campuses, plazas

Versions



SunStay Hybrid

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
Cable connection kit	Included
Charge controller type	MPPT
Grid connection type	Hybrid
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
Housing Color	RAL 7011
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)
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	4000 K
919515813989	BRP710 LED45 NW MR HY SOLAR	4000 K
919515813992	BRP710 LED45 WW MR HY FDIM50 SOLAR	3000 K

Operating and Electrical

Order Code	Full Product Name	Charge controller wattage
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	35 W
919515813989	BRP710 LED45 NW MR HY SOLAR	25 W

Order Code	Full Product Name	Charge controller wattage
919515813992	BRP710 LED45 WW MR HY FDIM50 SOLAR	25 W

Controls and Dimming

Order Code	Full Product Name	Solar dimming profile
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	4hrs 100% + 8 hrs 20%
919515813989	BRP710 LED45 NW MR HY SOLAR	100% Dusk to dawn

Order Code	Full Product Name	Solar dimming profile
919515813992	BRP710 LED45 WW MR HY FDIM50 SOLAR	5hrs 100% + 7 hrs 50%

