



# 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

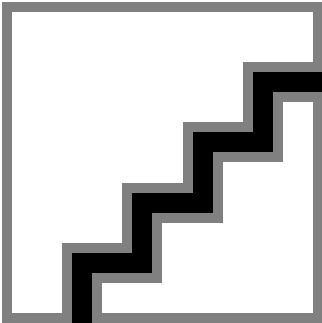
### Features

- 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

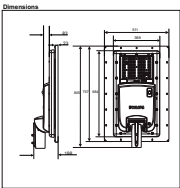
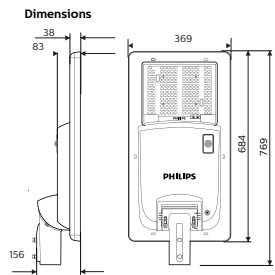
- Class A & B roads
- Rural areas
- Parks, pedestrian path lighting
- Industries, office, schools
- Shopping centers, corporate campuses, plazas

Versions



SunStay Hybrid

Dimensional drawing



PHILIPS

Light Technical	
Color rendering index (CRI)	>70
Operating and Electrical	
Battery charging & discharging cycles	2000
Battery type	Lithium Ferro Phosphate
Battery voltage	12.8 V
Charge controller type	MPPT
Temperature	
Ambient temperature range	0 to +35 °C
Controls and Dimming	
Dimmable	Yes
Approval and Application	
Ingress protection code	IP65
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
Battery location	Inside Luminaire

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	5700 K
919515812966	BRP710 LED20 WW MR 12V LFP Solar	3000 K
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	3000 K
919515812978	BRP710 LED20 NW MR 12V LFP Solar	4000 K
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	4000 K
919515814301	BRP710 LED30 WW 35MO PDIM30 BLE Solar	3000 K
919515814406	BRP710 LED20 WW 28PO PDIM50 BLE Solar	3000 K
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	4000 K
919515814302	BRP710 LED45 WW 60MO PDIM30 BLE Solar	3000 K

Operating and Electrical (1/2)

Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller wattage	Panel peak wattage
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	30 Ah	Included	35 W	60 W
919515812966	BRP710 LED20 WW MR 12V LFP Solar	13.6 Ah	-	-	28 W
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	20 Ah	-	-	35 W
919515812978	BRP710 LED20 NW MR 12V LFP Solar	13.6 Ah	-	-	28 W
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	20 Ah	-	-	35 W

Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller wattage	Panel peak wattage
919515814301	BRP710 LED30 WW 35MO PDIM30 BLE Solar	20 Ah	-	-	35 W
919515814406	BRP710 LED20 WW 28PO PDIM50 BLE Solar	13.6 Ah	-	-	28 W
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	30 Ah	-	-	60 W
919515814302	BRP710 LED45 WW 60MO PDIM30 BLE Solar	30 Ah	-	-	60 W

Operating and Electrical (2/2)

Order Code	Full Product Name	Panel type	Panel voltage
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	Mono crystalline	17 Vmp, 21 Voc V

Order Code	Full Product Name	Panel type	Panel voltage
919515812966	BRP710 LED20 WW MR 12V LFP Solar	Poly crystalline	17 Vmp, 21 Voc V

Order Code	Full Product Name	Panel type	Panel voltage
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Mono crystalline	17 Vmp, 21 Voc V
919515812978	BRP710 LED20 NW MR 12V LFP Solar	Poly crystalline	17 Vmp, 21 Voc V
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	Mono crystalline	17 Vmp, 21 Voc V
919515814301	BRP710 LED30 WW 35MO PDIM30 BLE Solar	Mono crystalline	17 V

Controls and Dimming

Order Code	Full Product Name	Configurability
919515813979	BRP710 LED60 CW MR HY FDM20 SOLAR	Factory Configurable
919515812966	BRP710 LED20 WW MR 12V LFP Solar	Factory Configurable
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Factory Configurable
919515812978	BRP710 LED20 NW MR 12V LFP Solar	Factory Configurable
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	Factory Configurable

Mechanical and Housing

Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919515813979	BRP710 LED60 CW MR HY FDM20 SOLAR	RAL 7011	188 mm	757 mm	511 mm
919515812966	BRP710 LED20 WW MR 12V LFP Solar	Gray	156 mm	684 mm	369 mm
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Gray	156 mm	684 mm	369 mm
919515812978	BRP710 LED20 NW MR 12V LFP Solar	Gray	156 mm	684 mm	369 mm
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	Gray	156 mm	684 mm	369 mm

Application Conditions

Order Code	Full Product Name	Grid connection type	Solar dimming profile
919515813979	BRP710 LED60 CW MR HY FDM20 SOLAR	Hybrid	4hrs 100% + 8 hrs 20%
919515812966	BRP710 LED20 WW MR 12V LFP Solar	Off grid	30% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs)
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Off grid	30% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs)
919515812978	BRP710 LED20 NW MR 12V LFP Solar	Off grid	30% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs)

Order Code	Full Product Name	Panel type	Panel voltage
919515814406	BRP710 LED20 WW 28PO PDIM50 BLE Solar	Poly crystalline	17 V
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	Mono crystalline	17 Vmp, 21 Voc V
919515814302	BRP710 LED45 WW 60MO PDIM30 BLE Solar	Mono crystalline	17 V

Order Code	Full Product Name	Configurability
919515814301	BRP710 LED30 WW 35MO PDIM30 BLE Solar	Configurable
919515814406	BRP710 LED20 WW 28PO PDIM50 BLE Solar	Configurable
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	Factory Configurable
919515814302	BRP710 LED45 WW 60MO PDIM30 BLE Solar	Configurable

Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919515814301	BRP710 LED30 WW 35MO PDIM30 BLE Solar	RAL 7011	156 mm	684 mm	369 mm
919515814406	BRP710 LED20 WW 28PO PDIM50 BLE Solar	RAL 7011	156 mm	684 mm	369 mm
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	Gray	188 mm	757 mm	511 mm
919515814302	BRP710 LED45 WW 60MO PDIM30 BLE Solar	RAL 7011	188 mm	757 mm	511 mm

Order Code	Full Product Name	Grid connection type	Solar dimming profile
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	Off grid	30% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs)
919515814301	BRP710 LED30 WW 35MO PDIM30 BLE Solar	Off grid	30% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs)
919515814406	BRP710 LED20 WW 28PO PDIM50 BLE Solar	Off grid	50% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs)
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	Off grid	5hrs 100% + 7 hrs 30%

Order Code	Full Product Name	Grid	Solar dimming profile
		connection type	
919515814302	BRP710 LED45 WW 60MO PDIM30 BLE Solar	Off grid	30% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs)

