



# **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

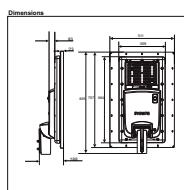
- Category P roads
- Rural areas
- Parks, pedestrian path lighting
- Industries, office, schools
- Shopping centres, corporate campuses, plazas

## Versions

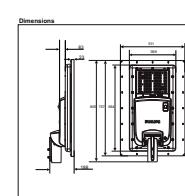
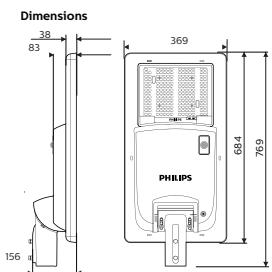
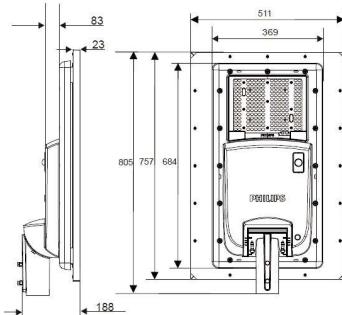


BRP710

## Dimensional drawing



PHILIPS



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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 type	Mono crystalline
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Battery location	Inside Luminaire
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

Order Code	Full Product Name	Correlated Color Temperature (Nom)
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	5700 K
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	3000 K
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	3000 K
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	5700 K
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	5700 K
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	4000 K
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	3000 K

## Operating and Electrical

Order Code	Full Product Name	Battery		
		ampere	Panel peak	
		hour	wattage	Panel voltage
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	20 Ah	35 W	17 Vmp, 21 Voc V
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	20 Ah	35 W	17 Vmp, 21 Voc V
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	20 Ah	35 W	17 V
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	30 Ah	60 W	17 Vmp, 21 Voc V

Order Code	Full Product Name	Battery		
		ampere	Panel peak	
		hour	wattage	Panel voltage
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	30 Ah	60 W	17 Vmp, 21 Voc V
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	30 Ah	60 W	17 V
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	30 Ah	60 W	17 V

## Controls and Dimming

Order Code	Full Product Name	Configurability	Solar dimming profile
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	Factory Configurable	30% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs)
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Factory Configurable	30% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs)

Order Code	Full Product Name	Configurability	Solar dimming profile
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	Configurable	50% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs)
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	Factory Configurable	30% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs)

Order Code	Full Product Name	Configurability	Solar dimming profile
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	Factory Configurable	5hrs 100% + 7 hrs 30%
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	Configurable	30% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs)

Order Code	Full Product Name	Configurability	Solar dimming profile
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	Configurable	30% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs)

## Mechanical and Housing

Order Code	Full Product Name	Housing	Overall height	Overall length	Overall width
Order Code	Full Product Name	Color	height	length	width
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	Gray	156 mm	684 mm	369 mm
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Gray	156 mm	684 mm	369 mm
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	RAL 7011	156 mm	684 mm	369 mm
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	Gray	188 mm	757 mm	511 mm

Order Code	Full Product Name	Housing	Overall height	Overall length	Overall width
Order Code	Full Product Name	Color	height	length	width
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	Gray	188 mm	757 mm	511 mm
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	RAL 7011	188 mm	757 mm	511 mm
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	RAL 7011	156 mm	684 mm	369 mm

