



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



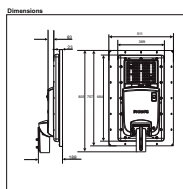
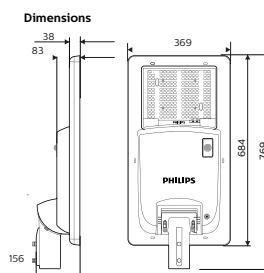
Lithium Ferro Phosphate battery

Dimensional drawing

Dimensions



Description	12NC	Product Dimension LxWxH (cm)
SPARE BT LFP 12.8V 30Ah SOLAR EQUIP	919415811056	30x17.5x6
SPARE BT LFP 12.8V 20Ah SOLAR EQUIP	919415811055	30x17.5x6
SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	919415811054	22x17.5x5



PHILIPS

Operating and Electrical	
Battery charging & discharging cycles	2000
Battery type	Lithium Ferro Phosphate
Battery voltage	12.8 V
Temperature	
Ambient temperature range	0 to +35 °C
Application Conditions	
Ambient temperature range for charging	0 °C to +45 °C

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	5700 K	>70
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	5700 K	>70
919515812966	BRP710 LED20 WW MR 12V LFP Solar	3000 K	>70
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	3000 K	>70
919515812978	BRP710 LED20 NW MR 12V LFP Solar	4000 K	>70
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	4000 K	>70
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	3000 K	>70
919515898034	BRP710 LED20 NW 35MO PDIM50 BLE SOLAR EX	4000 K	>70

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	5700 K	>70
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	5700 K	>70
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	3000 K	>70
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	4000 K	>70
919515814302	BRP710 LED45 WW 60MO PDIM30 BLE Solar	3000 K	>70
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	4000 K	>70
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	5700 K	>70
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	-	-

Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Charge controller type	Panel peak wattage	Panel type	Panel voltage
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	13.6 Ah	MPPT	28 W	Poly crystalline	17 Vmp, 21 Voc V
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	20 Ah	MPPT	35 W	Mono crystalline	17 Vmp, 21 Voc V
919515812966	BRP710 LED20 WW MR 12V LFP Solar	13.6 Ah	MPPT	28 W	Poly crystalline	17 Vmp, 21 Voc V
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	20 Ah	MPPT	35 W	Mono crystalline	17 Vmp, 21 Voc V
919515812978	BRP710 LED20 NW MR 12V LFP Solar	13.6 Ah	MPPT	28 W	Poly crystalline	17 Vmp, 21 Voc V
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	30 Ah	MPPT	60 W	Mono crystalline	17 V
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	20 Ah	MPPT	35 W	Mono crystalline	17 V
919515898034	BRP710 LED20 NW 35MO PDIM50 BLE SOLAR EX	20 Ah	MPPT	35 W	Mono crystalline	17 V
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	30 Ah	MPPT	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	30 Ah	MPPT	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	30 Ah	MPPT	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	30 Ah	MPPT	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515814302	BRP710 LED45 WW 60MO PDIM30 BLE Solar	30 Ah	MPPT	60 W	Mono crystalline	17 V
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	30 Ah	MPPT	60 W	Mono crystalline	17 V

Order Code	Full Product Name	Battery ampere hour	Charge controller type	Panel peak wattage	Panel type	Panel voltage
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	30 Ah	MPPT	60 W	Mono crystalline	17 Vmp, 21 Voc V
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	13.6 Ah	-	-	-	-

Controls and Dimming

Order Code	Full Product Name	Dimmable	Configurability	Order Code	Full Product Name	Dimmable	Configurability
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	Yes	Factory Configurable	919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	Yes	Factory Configurable
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	Yes	Factory Configurable	919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	Yes	Factory Configurable
919515812966	BRP710 LED20 WW MR 12V LFP Solar	Yes	Factory Configurable	919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	Yes	Factory Configurable
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Yes	Factory Configurable	919515814302	BRP710 LED45 WW 60MO PDIM30 BLE Solar	Yes	Configurable
919515812978	BRP710 LED20 NW MR 12V LFP Solar	Yes	Factory Configurable	919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	Yes	Configurable
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	Yes	Configurable	919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	Yes	Factory Configurable
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	Yes	Configurable	919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	-	-
919515898034	BRP710 LED20 NW 35MO PDIM50 BLE SOLAR EX	Yes	Configurable				
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	Yes	Factory Configurable				

Mechanical and Housing

Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width	Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	Gray	156 mm	684 mm	369 mm	919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	Gray	188 mm	757 mm	511 mm
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	Gray	156 mm	684 mm	369 mm	919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	Gray	188 mm	757 mm	511 mm
919515812966	BRP710 LED20 WW MR 12V LFP Solar	Gray	156 mm	684 mm	369 mm	919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	Gray	188 mm	757 mm	511 mm
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Gray	156 mm	684 mm	369 mm	919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	Gray	188 mm	757 mm	511 mm
919515812978	BRP710 LED20 NW MR 12V LFP Solar	Gray	156 mm	684 mm	369 mm	919515814302	BRP710 LED45 WW 60MO PDIM30 BLE Solar	RAL 7011	188 mm	757 mm	511 mm
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	RAL 7011	156 mm	684 mm	369 mm	919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	RAL 7011	188 mm	757 mm	511 mm
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	RAL 7011	156 mm	684 mm	369 mm	919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	Gray	188 mm	757 mm	511 mm
919515898034	BRP710 LED20 NW 35MO PDIM50 BLE SOLAR EX	RAL 7011	156 mm	684 mm	369 mm	919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	-	220 mm	175 mm	50 mm

Approval and Application

Order Code	Full Product Name	Ingress protection code
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	IP65
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	IP65
919515812966	BRP710 LED20 WW MR 12V LFP Solar	IP65
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	IP65
919515812978	BRP710 LED20 NW MR 12V LFP Solar	IP65
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	IP65
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	IP65
919515898034	BRP710 LED20 NW 35MO PDIM50 BLE SOLAR EX	IP65

Order Code	Full Product Name	Ingress protection code
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	IP65
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	IP65
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	IP65
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	IP65
919515814302	BRP710 LED45 WW 60MO PDIM30 BLE Solar	IP65
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	IP65
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	IP65
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	-

Application Conditions

Order Code	Full Product Name	Ambient temperature range for discharging (when light is on)	Battery location	Grid connection type	Solar dimming profile
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	-20 °C to +35 °C	Inside Luminaire	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	-20 °C to +35 °C	Inside Luminaire	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812966	BRP710 LED20 WW MR 12V LFP Solar	-20 °C to +35 °C	Inside Luminaire	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	-20 °C to +35 °C	Inside Luminaire	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	-20 °C to +35 °C	Inside Luminaire	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515898031	BRP710 LED30 NW 60MO PDIM30	-20 °C to +35 °C	Inside Luminaire	Off grid	30% Dusk to dawn, 100% on motion. (Sensor

Order Code	Full Product Name	Ambient temperature range for discharging (when light is on)	Battery location	Grid connection type	Solar dimming profile
	BLE SOLAR EX				disabled for 5 Hrs, after 5 Hrs)
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	-20 °C to +35 °C	Inside Luminaire	Off grid	50% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515898034	BRP710 LED20 NW 35MO PDIM50 BLE SOLAR EX	-20 °C to +35 °C	Inside Luminaire	Off grid	50% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	-20 °C to +35 °C	Inside Luminaire	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	-20 °C to +35 °C	Inside Luminaire	Off grid	5hrs 100% + 7 hrs 30%
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	-20 °C to +35 °C	Inside Luminaire	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	-20 °C to +35 °C	Inside Luminaire	Off grid	5hrs 100% + 7 hrs 30%

Order Code	Full Product Name	Ambient temperature range for discharging (when light is on)	Battery location	Grid connection type	Solar dimming profile
919515814302	BRP710	-20 °C to +35 °C	Inside Luminaire	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	LED45 WW				
	60MO				
	PDIM30				
	BLE Solar				
919515898029	BRP710	-20 °C to +35 °C	Inside Luminaire	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	LED45 NW				
	60MO				
	PDIM30				

Order Code	Full Product Name	Ambient temperature range for discharging (when light is on)	Battery location	Grid connection type	Solar dimming profile
	BLE SOLAR EX				disabled for 5 Hrs, after 5 Hrs)
919615811265	BRP710 P	-20 °C to +35 °C	Inside Luminaire	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	LED45 CW				
	MR 12V LFP				
	Solar P4125				
919415811054	SPARE BT	-20 °C to +60 °C	-	-	-
	LFP 12.8V				
	13.6Ah				
	SOLAR EQUIP				

