



SunStay. All In One solar street light

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

Applications

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

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

Versions



SunStay Hybrid



standard shot sunstay



SunStay Hybrid



BRP710

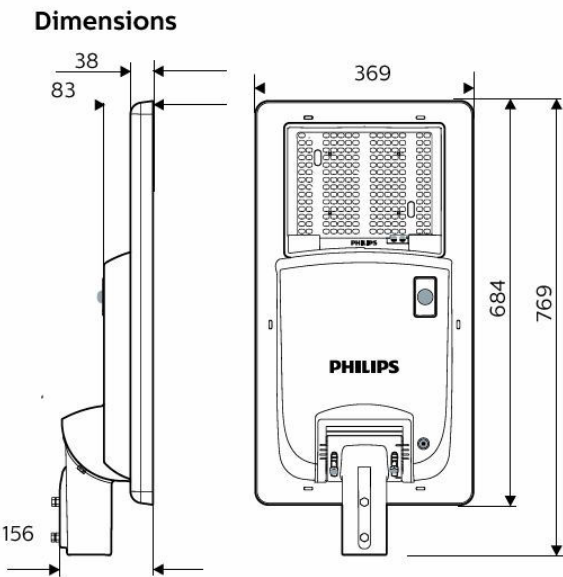


SunStay 4500 Lumen

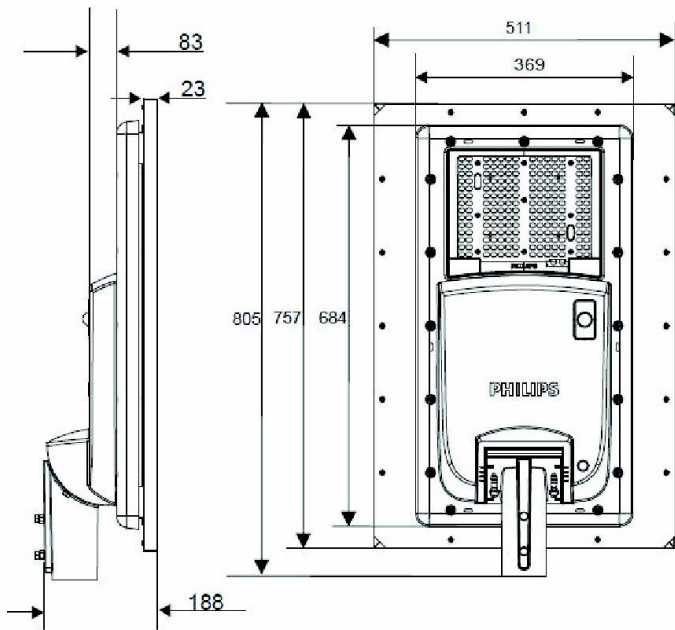


BRP710

Dimensional drawing

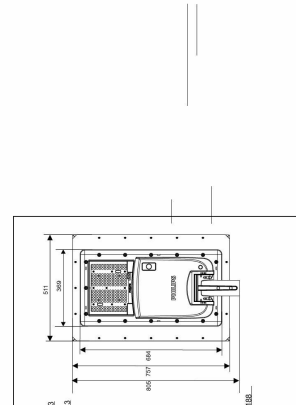
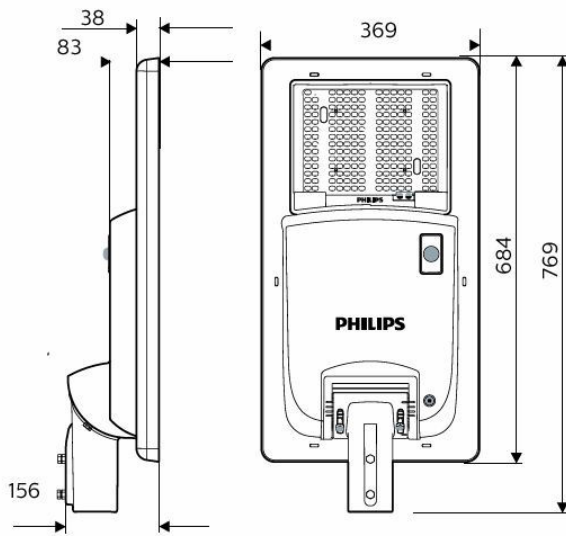


SunStay Hybrid



BRP710 LED30 WW 60MO PDIM30 BLE Solar

Dimensions



Sunstay 4500

Lithium Ferro Phosphate battery

Light Technical

Color rendering index (CRI) >70

Operating and Electrical

Battery type	Lithium Ferro Phosphate
Battery voltage	12.8 V
Battery charging & discharging cycles	2000
Charge controller type	MPPT
Cable connection kit	Included

Controls and Dimming

Dimmable Yes

Mechanical and Housing

Battery location	Inside Luminaire
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]

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)
919515813982	BRP710 LED45 CW MR HY SOLAR	5700 K
919515813985	BRP710 LED45 NW MR HY FDIM50 SOLAR	4000 K
919515813989	BRP710 LED45 NW MR HY SOLAR	4000 K
919515813993	BRP710 LED60 WW MR HY FDIM20 SOLAR	3000 K
919515813996	BRP710 LED45 WW MR HY SOLAR	3000 K
919515812966	BRP710 LED20 WW MR 12V LFP 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
919515898027	BRP710 LED30 NW 35MO PDIM30 BLE SOLAR EX	4000 K
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	5700 K
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	3000 K
919515898035	BRP710 LED20 CW 35MO PDIM50 BLE SOLAR EX	5700 K
919515813977	BRP710 LED30 CW MR HY FDIM50 SOLAR	5700 K
919515813981	BRP710 LED30 CW MR HY SOLAR	5700 K
919515813987	BRP710 LED20 NW MR HY SOLAR	4000 K
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	4000 K
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	3000 K
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	4000 K
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	5700 K
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	3000 K

Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Panel type	Panel voltage	Panel peak wattage	Charge controller wattage	Grid connection type
919515813982	BRP710 LED45 CW MR HY SOLAR	30 Ah	Mono crystalline	17 Vmp, 21 Voc V	60 W	25 W	Hybrid
919515813985	BRP710 LED45 NW MR HY FDIM50 SOLAR	30 Ah	Mono crystalline	17 Vmp, 21 Voc V	60 W	25 W	Hybrid
919515813989	BRP710 LED45 NW MR HY SOLAR	30 Ah	Mono crystalline	17 Vmp, 21 Voc V	60 W	25 W	Hybrid
919515813993	BRP710 LED60 WW MR HY FDIM20 SOLAR	30 Ah	Mono crystalline	17 Vmp, 21 Voc V	60 W	35 W	Hybrid
919515813996	BRP710 LED45 WW MR HY SOLAR	30 Ah	Mono crystalline	17 Vmp, 21 Voc V	60 W	25 W	Hybrid

Order Code	Full Product Name	Battery ampere hour	Panel type	Panel voltage	Panel peak wat- tage	Charge con- troller wat- tage	Grid connec- tion type
919515812966	BRP710 LED20 WW MR 12V LFP Solar	13.6 Ah	Poly crystalline	17 Vmp, 21 Voc V	28 W	-	Off grid
919515812978	BRP710 LED20 NW MR 12V LFP Solar	13.6 Ah	Poly crystalline	17 Vmp, 21 Voc V	28 W	-	Off grid
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	20 Ah	Mono crystalline	17 Vmp, 21 Voc V	35 W	-	Off grid
919515814301	BRP710 LED30 WW 35MO PDIM30 BLE Solar	20 Ah	Mono crystalline	17 V	35 W	-	Off grid
919515814406	BRP710 LED20 WW 28PO PDIM50 BLE Solar	13.6 Ah	Poly crystalline	17 V	28 W	-	Off grid
919515898027	BRP710 LED30 NW 35MO PDIM30 BLE SOLAR EX	20 Ah	Mono crystalline	17 V	35 W	-	Off grid
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	20 Ah	Mono crystalline	17 V	35 W	-	Off grid
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	20 Ah	Mono crystalline	17 V	35 W	-	Off grid
919515898035	BRP710 LED20 CW 35MO PDIM50 BLE SOLAR EX	20 Ah	Mono crystalline	17 V	35 W	-	Off grid
919515813977	BRP710 LED30 CW MR HY FDIM50 SOLAR	20 Ah	Mono crystalline	17 Vmp, 21 Voc V	35 W	17 W	Hybrid
919515813981	BRP710 LED30 CW MR HY SOLAR	20 Ah	Mono crystalline	17 Vmp, 21 Voc V	35 W	17 W	Hybrid
919515813987	BRP710 LED20 NW MR HY SOLAR	13.6 Ah	Poly crystalline	17 Vmp, 21 Voc V	28 W	11 W	Hybrid
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	30 Ah	Mono crystalline	17 V	60 W	-	Off grid
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	30 Ah	Mono crystalline	17 Vmp, 21 Voc V	60 W	-	Off grid
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	30 Ah	Mono crystalline	17 Vmp, 21 Voc V	60 W	-	Off grid
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	30 Ah	Mono crystalline	17 V	60 W	-	Off grid
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	30 Ah	Mono crystalline	17 V	60 W	-	Off grid

Controls and Dimming

Order Code	Full Product Name	Configurability	Solar dimming profile
919515813982	BRP710 LED45 CW MR HY SOLAR	Factory Configurable	100% Dusk to dawn
919515813985	BRP710 LED45 NW MR HY FDIM50 SOLAR	Factory Configurable	5hrs 100% + 7 hrs 50%
919515813989	BRP710 LED45 NW MR HY SOLAR	Factory Configurable	100% Dusk to dawn
919515813993	BRP710 LED60 WW MR HY FDIM20 SOLAR	Factory Configurable	4hrs 100% + 8 hrs 20%
919515813996	BRP710 LED45 WW MR HY SOLAR	Factory Configurable	100% Dusk to dawn
919515812966	BRP710 LED20 WW MR 12V LFP Solar	Factory Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812978	BRP710 LED20 NW MR 12V LFP Solar	Factory Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	Factory Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515814301	BRP710 LED30 WW 35MO PDIM30 BLE Solar	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
919515814406	BRP710 LED20 WW 28PO PDIM50 BLE Solar	Configurable	50% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515898027	BRP710 LED30 NW 35MO PDIM30 BLE SOLAR EX	Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
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)
919515898035	BRP710 LED20 CW 35MO PDIM50 BLE SOLAR EX	Configurable	50% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515813977	BRP710 LED30 CW MR HY FDM50 SOLAR	Factory Configurable	5hrs 100% + 7 hrs 50%
919515813981	BRP710 LED30 CW MR HY SOLAR	Factory Configurable	100% Dusk to dawn
919515813987	BRP710 LED20 NW MR HY SOLAR	Factory Configurable	100% Dusk to dawn
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	Factory Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	Factory Configurable	5hrs 100% + 7 hrs 30%
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
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 Color	Overall length	Overall width	Overall height
919515813982	BRP710 LED45 CW MR HY SOLAR	RAL 7011	757 mm	511 mm	188 mm
919515813985	BRP710 LED45 NW MR HY FDM50 SOLAR	RAL 7011	757 mm	511 mm	188 mm
919515813989	BRP710 LED45 NW MR HY SOLAR	RAL 7011	757 mm	511 mm	188 mm
919515813993	BRP710 LED60 WW MR HY FDM20 SOLAR	RAL 7011	757 mm	511 mm	188 mm
919515813996	BRP710 LED45 WW MR HY SOLAR	RAL 7011	757 mm	511 mm	188 mm
919515812966	BRP710 LED20 WW MR 12V LFP Solar	Gray	684 mm	369 mm	156 mm
919515812978	BRP710 LED20 NW MR 12V LFP Solar	Gray	684 mm	369 mm	156 mm
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	Gray	684 mm	369 mm	156 mm
919515814301	BRP710 LED30 WW 35MO PDIM30 BLE Solar	RAL 7011	684 mm	369 mm	156 mm
919515814406	BRP710 LED20 WW 28PO PDIM50 BLE Solar	RAL 7011	684 mm	369 mm	156 mm
919515898027	BRP710 LED30 NW 35MO PDIM30 BLE SOLAR EX	RAL 7011	684 mm	369 mm	156 mm
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	RAL 7011	684 mm	369 mm	156 mm
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	RAL 7011	684 mm	369 mm	156 mm
919515898035	BRP710 LED20 CW 35MO PDIM50 BLE SOLAR EX	RAL 7011	684 mm	369 mm	156 mm
919515813977	BRP710 LED30 CW MR HY FDM50 SOLAR	RAL 7011	684 mm	369 mm	156 mm
919515813981	BRP710 LED30 CW MR HY SOLAR	RAL 7011	684 mm	369 mm	156 mm
919515813987	BRP710 LED20 NW MR HY SOLAR	RAL 7011	684 mm	369 mm	156 mm
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	RAL 7011	684 mm	369 mm	156 mm
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	Gray	757 mm	511 mm	188 mm
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	Gray	757 mm	511 mm	188 mm
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	RAL 7011	757 mm	511 mm	188 mm
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	RAL 7011	684 mm	369 mm	156 mm

