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

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Application

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

Versions

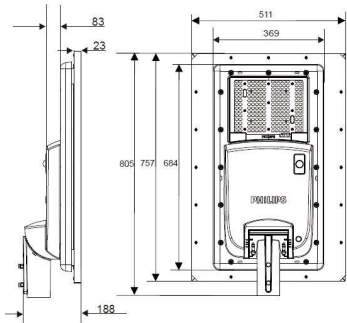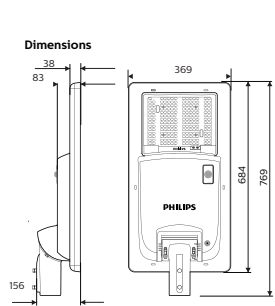

SunStay Hybrid

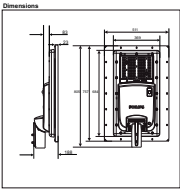**standard shot sunstay**

BRP710

SunStay 4500 Lumen

BRP710

Dimensional drawing

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Dimensional drawing

Dimensions
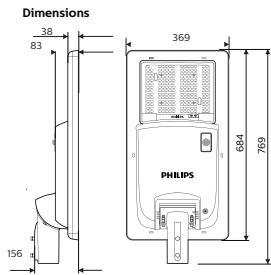
PHILIPS

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

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

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
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
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
919515813976	BRP710 LED20 CW MR HY FDIM50 SOLAR	5700 K
919515813977	BRP710 LED30 CW MR HY FDIM50 SOLAR	5700 K
919515813980	BRP710 LED20 CW MR HY 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 (1/2)

Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller wattage	Grid connection type
919515813982	BRP710 LED45 CW MR HY SOLAR	30 Ah	Included	25 W	Hybrid

Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller wattage	Grid connection type
919515813985	BRP710 LED45 NW MR HY FDIM50 SOLAR	30 Ah	Included	25 W	Hybrid

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Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller wattage	Grid connection type
919515813989	BRP710 LED45 NW MR HY SOLAR	30 Ah	Included	25 W	Hybrid
919515813993	BRP710 LED60 WW MR HY FDIM20 SOLAR	30 Ah	Included	35 W	Hybrid
919515813996	BRP710 LED45 WW MR HY SOLAR	30 Ah	Included	25 W	Hybrid
919515812966	BRP710 LED20 WW MR 12V LFP Solar	13.6 Ah	–	–	Off grid
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	20 Ah	–	–	Off grid
919515812978	BRP710 LED20 NW MR 12V LFP Solar	13.6 Ah	–	–	Off grid
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	20 Ah	–	–	Off grid
919515814301	BRP710 LED30 WW 35MO PDIM30 BLE Solar	20 Ah	–	–	Off grid
919515814406	BRP710 LED20 WW 28PO PDIM50 BLE Solar	13.6 Ah	–	–	Off grid
919515898027	BRP710 LED30 NW 35MO PDIM30 BLE SOLAR EX	20 Ah	–	–	Off grid
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	20 Ah	–	–	Off grid
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	20 Ah	–	–	
919515898035	BRP710 LED20 CW 35MO PDIM50 BLE SOLAR EX	20 Ah	–	–	Off grid
919515813976	BRP710 LED20 CW MR HY FDIM50 SOLAR	13.6 Ah	Included	11 W	Hybrid
919515813977	BRP710 LED30 CW MR HY FDIM50 SOLAR	20 Ah	Included	17 W	Hybrid
919515813980	BRP710 LED20 CW MR HY SOLAR	13.6 Ah	Included	11 W	Hybrid
919515813981	BRP710 LED30 CW MR HY SOLAR	20 Ah	Included	17 W	Hybrid
919515813987	BRP710 LED20 NW MR HY SOLAR	13.6 Ah	Included	11 W	Hybrid
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	30 Ah	–	–	Off grid
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	30 Ah	–	–	Off grid
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	30 Ah	–	–	Off grid
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	30 Ah	–	–	Off grid
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	30 Ah	–	–	Off grid

Operating and Electrical (2/2)

Order Code	Full Product Name	Panel peak wattage	Panel type	Panel voltage
919515813982	BRP710 LED45 CW MR HY SOLAR	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515813985	BRP710 LED45 NW MR HY FDIM50 SOLAR	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515813989	BRP710 LED45 NW MR HY SOLAR	60 W	Mono crystalline	17 Vmp, 21 Voc V

Order Code	Full Product Name	Panel peak wattage	Panel type	Panel voltage
919515813993	BRP710 LED60 WW MR HY FDIM20 SOLAR	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515813996	BRP710 LED45 WW MR HY SOLAR	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515812966	BRP710 LED20 WW MR 12V LFP Solar	28 W	Poly crystalline	17 Vmp, 21 Voc V

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Order Code	Full Product Name	Panel peak wattage	Panel type	Panel voltage
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	35 W	Mono crystalline	17 Vmp, 21 Voc V
919515812978	BRP710 LED20 NW MR 12V LFP Solar	28 W	Poly crystalline	17 Vmp, 21 Voc V
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	35 W	Mono crystalline	17 Vmp, 21 Voc V
919515814301	BRP710 LED30 WW 35MO PDIM30 BLE Solar	35 W	Mono crystalline	17 V
919515814406	BRP710 LED20 WW 28PO PDIM50 BLE Solar	28 W	Poly crystalline	17 V
919515898027	BRP710 LED30 NW 35MO PDIM30 BLE SOLAR EX	35 W	Mono crystalline	17 V
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	35 W	Mono crystalline	17 V
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	35 W	Mono crystalline	17 V
919515898035	BRP710 LED20 CW 35MO PDIM50 BLE SOLAR EX	35 W	Mono crystalline	17 V

Order Code	Full Product Name	Panel peak wattage	Panel type	Panel voltage
919515813976	BRP710 LED20 CW MR HY FDIM50 SOLAR	28 W	Poly crystalline	17 Vmp, 21 Voc V
919515813977	BRP710 LED30 CW MR HY FDIM50 SOLAR	35 W	Mono crystalline	17 Vmp, 21 Voc V
919515813980	BRP710 LED20 CW MR HY SOLAR	28 W	Poly crystalline	17 Vmp, 21 Voc V
919515813981	BRP710 LED30 CW MR HY SOLAR	35 W	Mono crystalline	17 Vmp, 21 Voc V
919515813987	BRP710 LED20 NW MR HY SOLAR	28 W	Poly crystalline	17 Vmp, 21 Voc V
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	60 W	Mono crystalline	17 V
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	60 W	Mono crystalline	17 V
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	60 W	Mono crystalline	17 V

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)
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)
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)

Order Code	Full Product Name	Configurability	Solar dimming profile
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)
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)

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Order Code	Full Product Name	Configurability	Solar dimming profile
919515813976	BRP710 LED20 CW MR HY FDIM50 SOLAR	Factory Configurable	5hrs 100% + 7 hrs 50%
919515813977	BRP710 LED30 CW MR HY FDIM50 SOLAR	Factory Configurable	5hrs 100% + 7 hrs 50%
919515813980	BRP710 LED20 CW MR HY SOLAR	Factory Configurable	100% Dusk to dawn
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)

Order Code	Full Product Name	Configurability	Solar dimming profile
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 height	Overall length	Overall width
919515813982	BRP710 LED45 CW MR HY SOLAR	RAL 7011	188 mm	757 mm	511 mm
919515813985	BRP710 LED45 NW MR HY FDIM50 SOLAR	RAL 7011	188 mm	757 mm	511 mm
919515813989	BRP710 LED45 NW MR HY SOLAR	RAL 7011	188 mm	757 mm	511 mm
919515813993	BRP710 LED60 WW MR HY FDIM20 SOLAR	RAL 7011	188 mm	757 mm	511 mm
919515813996	BRP710 LED45 WW MR HY 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
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
919515898027	BRP710 LED30 NW 35MO PDIM30 BLE SOLAR EX	RAL 7011	156 mm	684 mm	369 mm

Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	RAL 7011	156 mm	684 mm	369 mm
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	RAL 7011	156 mm	684 mm	369 mm
919515898035	BRP710 LED20 CW 35MO PDIM50 BLE SOLAR EX	RAL 7011	156 mm	684 mm	369 mm
919515813976	BRP710 LED20 CW MR HY FDIM50 SOLAR	RAL 7011	156 mm	684 mm	369 mm
919515813977	BRP710 LED30 CW MR HY FDIM50 SOLAR	RAL 7011	156 mm	684 mm	369 mm
919515813980	BRP710 LED20 CW MR HY SOLAR	RAL 7011	156 mm	684 mm	369 mm
919515813981	BRP710 LED30 CW MR HY SOLAR	RAL 7011	156 mm	684 mm	369 mm
919515813987	BRP710 LED20 NW MR HY SOLAR	RAL 7011	156 mm	684 mm	369 mm
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	RAL 7011	156 mm	684 mm	369 mm
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	Gray	188 mm	757 mm	511 mm
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	Gray	188 mm	757 mm	511 mm
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	RAL 7011	188 mm	757 mm	511 mm

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Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	RAL 7011	156 mm	684 mm	369 mm