



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

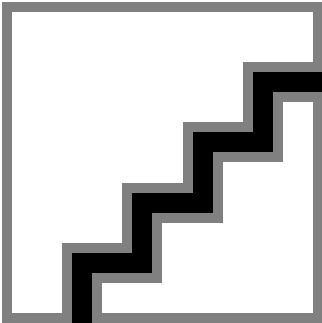
Features

- 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

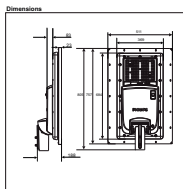
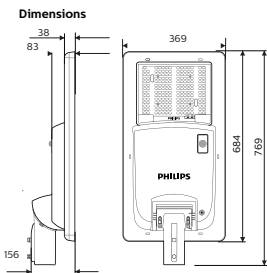
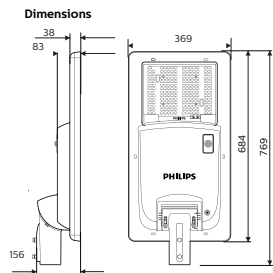


SunStay Hybrid



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 FDM20 SOLAR	5700 K
919515813993	BRP710 LED60 WW MR HY FDM20 SOLAR	3000 K
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	5700 K
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	5700 K
919515812967	BRP710 LED20 WW MR 12V 28PO PDIM50 Solar	3000 K
919515812970	BRP710 LED20 WW MR 12V 35MO Solar	3000 K
919515812979	BRP710 LED20 NW MR 12V 28PO PDIM50 Solar	4000 K
919515812982	BRP710 LED20 NW MR 12V 35MO Solar	4000 K
919515898025	BRP710 LED20 NW 28PO PDIM50 BLE SOLAR EX	4000 K
919515898026	BRP710 LED20 CW 28PO PDIM50 BLE SOLAR EX	5700 K
919515898027	BRP710 LED30 NW 35MO PDIM30 BLE SOLAR EX	4000 K
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	5700 K
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	4000 K
919515898032	BRP710 LED30 CW 60MO PDIM30 BLE SOLAR EX	5700 K
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	3000 K
919515898034	BRP710 LED20 NW 35MO PDIM50 BLE SOLAR EX	4000 K
919515898035	BRP710 LED20 CW 35MO PDIM50 BLE SOLAR EX	5700 K
919515813980	BRP710 LED20 CW MR HY SOLAR	5700 K
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	5700 K
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	4000 K
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	5700 K
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	5700 K

Operating and Electrical (1/2)

		Battery ampere hour	Cable connection kit	Charge controller wattage	Panel peak wattage
Order Code	Full Product Name				
919515813979	BRP710 LED60 CW MR HY FDM20 SOLAR	30 Ah	Included	35 W	60 W
919515813993	BRP710 LED60 WW MR HY FDM20 SOLAR	30 Ah	Included	35 W	60 W
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	13.6 Ah	-	-	28 W
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	20 Ah	-	-	35 W
919515812967	BRP710 LED20 WW MR 12V 28PO PDIM50 Solar	13.6 Ah	-	-	28 W
919515812970	BRP710 LED20 WW MR 12V 35MO Solar	20 Ah	-	-	35 W
919515812979	BRP710 LED20 NW MR 12V 28PO PDIM50 Solar	13.6 Ah	-	-	28 W
919515812982	BRP710 LED20 NW MR 12V 35MO Solar	20 Ah	-	-	35 W
919515898025	BRP710 LED20 NW 28PO PDIM50 BLE SOLAR EX	13.6 Ah	-	-	28 W
919515898026	BRP710 LED20 CW 28PO PDIM50 BLE SOLAR EX	13.6 Ah	-	-	28 W
919515898027	BRP710 LED30 NW 35MO PDIM30 BLE SOLAR EX	20 Ah	-	-	35 W
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	20 Ah	-	-	35 W
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	30 Ah	-	-	60 W
919515898032	BRP710 LED30 CW 60MO PDIM30 BLE SOLAR EX	30 Ah	-	-	60 W
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	20 Ah	-	-	35 W

Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller wattage	Panel peak wattage
919515898034	BRP710 LED20 NW 35MO PDIM50 BLE SOLAR EX	20 Ah	-	-	35 W
919515898035	BRP710 LED20 CW 35MO PDIM50 BLE SOLAR EX	20 Ah	-	-	35 W
919515813980	BRP710 LED20 CW MR HY SOLAR	13.6 Ah	Included	11 W	28 W
919515813566	BRP710 LED45 CW MR S1 12V LFP 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
919515813993	BRP710 LED60 WW MR HY FDIM20 SOLAR	Mono crystalline	17 Vmp, 21 Voc V
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	Poly crystalline	17 Vmp, 21 Voc V
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	Mono crystalline	17 Vmp, 21 Voc V
919515812967	BRP710 LED20 WW MR 12V 28PO PDIM50 Solar	Poly crystalline	17 Vmp, 21 Voc V
919515812970	BRP710 LED20 WW MR 12V 35MO Solar	Mono crystalline	17 Vmp, 21 Voc V
919515812979	BRP710 LED20 NW MR 12V 28PO PDIM50 Solar	Poly crystalline	17 Vmp, 21 Voc V
919515812982	BRP710 LED20 NW MR 12V 35MO Solar	Mono crystalline	17 Vmp, 21 Voc V
919515898025	BRP710 LED20 NW 28PO PDIM50 BLE SOLAR EX	Poly crystalline	17 V
919515898026	BRP710 LED20 CW 28PO PDIM50 BLE SOLAR EX	Poly crystalline	17 V
919515898027	BRP710 LED30 NW 35MO PDIM30 BLE SOLAR EX	Mono crystalline	17 V

Controls and Dimming

Order Code	Full Product Name	Configurability
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	Factory Configurable
919515813993	BRP710 LED60 WW MR HY FDIM20 SOLAR	Factory Configurable
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	Factory Configurable
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	Factory Configurable
919515812967	BRP710 LED20 WW MR 12V 28PO PDIM50 Solar	Factory Configurable
919515812970	BRP710 LED20 WW MR 12V 35MO Solar	Factory Configurable
919515812979	BRP710 LED20 NW MR 12V 28PO PDIM50 Solar	Factory Configurable
919515812982	BRP710 LED20 NW MR 12V 35MO Solar	Factory Configurable

Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller wattage	Panel peak wattage
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	30 Ah	-	-	60 W
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	30 Ah	-	-	60 W
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	30 Ah	-	-	60 W

Order Code	Full Product Name	Panel type	Panel voltage
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	Mono crystalline	17 V
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	Mono crystalline	17 V
919515898032	BRP710 LED30 CW 60MO PDIM30 BLE SOLAR EX	Mono crystalline	17 V
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	Mono crystalline	17 V
919515898034	BRP710 LED20 NW 35MO PDIM50 BLE SOLAR EX	Mono crystalline	17 V
919515898035	BRP710 LED20 CW 35MO PDIM50 BLE SOLAR EX	Mono crystalline	17 V
919515813980	BRP710 LED20 CW MR HY SOLAR	Poly crystalline	17 Vmp, 21 Voc V
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	Mono crystalline	17 Vmp, 21 Voc V
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	Mono crystalline	17 V
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	Mono crystalline	17 V
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	Mono crystalline	17 Vmp, 21 Voc V

Order Code	Full Product Name	Configurability
919515898025	BRP710 LED20 NW 28PO PDIM50 BLE SOLAR EX	Configurable
919515898026	BRP710 LED20 CW 28PO PDIM50 BLE SOLAR EX	Configurable
919515898027	BRP710 LED30 NW 35MO PDIM30 BLE SOLAR EX	Configurable
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	Configurable
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	Configurable
919515898032	BRP710 LED30 CW 60MO PDIM30 BLE SOLAR EX	Configurable

Order Code	Full Product Name	Configurability
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	Configurable
919515898034	BRP710 LED20 NW 35MO PDIM50 BLE SOLAR EX	Configurable
919515898035	BRP710 LED20 CW 35MO PDIM50 BLE SOLAR EX	Configurable
919515813980	BRP710 LED20 CW MR HY SOLAR	Factory Configurable

Order Code	Full Product Name	Configurability
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	Factory Configurable
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	Configurable
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	Configurable
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	Factory Configurable

Mechanical and Housing

Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919515813979	BRP710 LED60 CW MR HY FDIM20 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
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	Gray	156 mm	684 mm	369 mm
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	Gray	156 mm	684 mm	369 mm
919515812967	BRP710 LED20 WW MR 12V 28PO PDIM50 Solar	Gray	156 mm	684 mm	369 mm
919515812970	BRP710 LED20 WW MR 12V 35MO Solar	Gray	156 mm	684 mm	369 mm
919515812979	BRP710 LED20 NW MR 12V 28PO PDIM50 Solar	Gray	156 mm	684 mm	369 mm
919515812982	BRP710 LED20 NW MR 12V 35MO Solar	Gray	156 mm	684 mm	369 mm
919515898025	BRP710 LED20 NW 28PO PDIM50 BLE SOLAR EX	RAL 7011	156 mm	684 mm	369 mm
919515898026	BRP710 LED20 CW 28PO PDIM50 BLE SOLAR EX	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
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	RAL 7011	156 mm	684 mm	369 mm
919515898032	BRP710 LED30 CW 60MO 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
919515898034	BRP710 LED20 NW 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
919515813980	BRP710 LED20 CW MR HY SOLAR	RAL 7011	156 mm	684 mm	369 mm
919515813566	BRP710 LED45 CW MR S1 12V LFP 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
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	RAL 7011	188 mm	757 mm	511 mm
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	Gray	188 mm	757 mm	511 mm

Application Conditions

Order Code	Full Product Name	Grid connection type	Solar dimming profile
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	Hybrid	4hrs 100% + 8 hrs 20%

Order Code	Full Product Name	Grid connection type	Solar dimming profile
919515813993	BRP710 LED60 WW MR HY FDIM20 SOLAR	Hybrid	4hrs 100% + 8 hrs 20%

Order Code	Full Product Name	Grid connection	
		type	Solar dimming profile
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	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	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812967	BRP710 LED20 WW MR 12V 28PO PDIM50 Solar	Off grid	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812970	BRP710 LED20 WW MR 12V 35MO Solar	Off grid	No dimming
919515812979	BRP710 LED20 NW MR 12V 28PO PDIM50 Solar	Off grid	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812982	BRP710 LED20 NW MR 12V 35MO Solar	Off grid	No dimming
919515898025	BRP710 LED20 NW 28PO PDIM50 BLE SOLAR EX	Off grid	50% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515898026	BRP710 LED20 CW 28PO PDIM50 BLE SOLAR EX	Off grid	50% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515898027	BRP710 LED30 NW 35MO PDIM30 BLE SOLAR EX	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)

Order Code	Full Product Name	Grid connection	
		type	Solar dimming profile
919515898032	BRP710 LED30 CW 60MO PDIM30 BLE SOLAR EX	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	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	Off grid	50% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515898035	BRP710 LED20 CW 35MO PDIM50 BLE SOLAR EX	Off grid	50% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515813980	BRP710 LED20 CW MR HY SOLAR	Hybrid	100% Dusk to dawn
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)

