



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

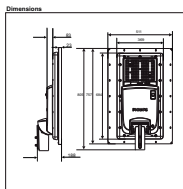
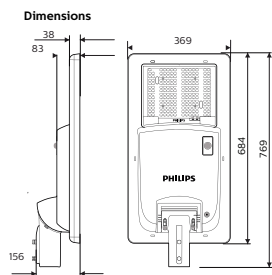
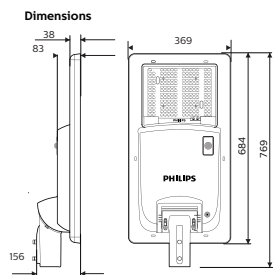
- Class A & B roads
- Rural areas
- Parks, pedestrian path lighting
- Industries, office, schools
- Shopping centers, corporate campuses, plazas

Versions



SunStay 4500 Lumen

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	
Battery location	Inside Luminaire

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)
919515813978	BRP710 LED45 CW MR HY FDIM50 SOLAR	5700 K
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	5700 K
919515813982	BRP710 LED45 CW MR HY SOLAR	5700 K
919515813985	BRP710 LED45 NW MR HY FDIM50 SOLAR	4000 K
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	4000 K
919515813993	BRP710 LED60 WW MR HY FDIM20 SOLAR	3000 K
919515813996	BRP710 LED45 WW MR HY SOLAR	3000 K
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	5700 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
919515898025	BRP710 LED20 NW 28PO PDIM50 BLE SOLAR EX	4000 K
919515898026	BRP710 LED20 CW 28PO PDIM50 BLE SOLAR EX	5700 K
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	5700 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
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
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	5700 K
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	4000 K
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	5700 K

Operating and Electrical (1/2)

Order Code	Full Product Name	Battery ampere	Cable connection	Charge controller	Panel peak
		hour	kit	wattage	wattage
919515813978	BRP710 LED45 CW MR HY FDIM50 SOLAR	30 Ah	Included	25 W	60 W
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	30 Ah	Included	35 W	60 W
919515813982	BRP710 LED45 CW MR HY SOLAR	30 Ah	Included	25 W	60 W
919515813985	BRP710 LED45 NW MR HY FDIM50 SOLAR	30 Ah	Included	25 W	60 W
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	30 Ah	Included	35 W	60 W
919515813993	BRP710 LED60 WW MR HY FDIM20 SOLAR	30 Ah	Included	35 W	60 W

Order Code	Full Product Name	Battery ampere	Cable connection	Charge controller	Panel peak
		hour	kit	wattage	wattage
919515813996	BRP710 LED45 WW MR HY SOLAR	30 Ah	Included	25 W	60 W
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	13.6 Ah	-	-	28 W
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	20 Ah	-	-	35 W
919515812978	BRP710 LED20 NW MR 12V LFP Solar	13.6 Ah	-	-	28 W
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	20 Ah	-	-	35 W
919515898025	BRP710 LED20 NW 28PO PDIM50 BLE SOLAR EX	13.6 Ah	-	-	28 W

Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller wattage	Panel peak wattage
919515898026	BRP710 LED20 CW 28PO PDIM50 BLE SOLAR EX	13.6 Ah	-	-	28 W
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	20 Ah	-	-	35 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
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

Operating and Electrical (2/2)

Order Code	Full Product Name	Panel type	Panel voltage
919515813978	BRP710 LED45 CW MR HY FDIM50 SOLAR	Mono crystalline	17 Vmp, 21 Voc V
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	Mono crystalline	17 Vmp, 21 Voc V
919515813982	BRP710 LED45 CW MR HY SOLAR	Mono crystalline	17 Vmp, 21 Voc V
919515813985	BRP710 LED45 NW MR HY FDIM50 SOLAR	Mono crystalline	17 Vmp, 21 Voc V
919515813986	BRP710 LED60 NW 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
919515813996	BRP710 LED45 WW MR HY 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
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Mono crystalline	17 Vmp, 21 Voc V
919515812978	BRP710 LED20 NW MR 12V LFP Solar	Poly crystalline	17 Vmp, 21 Voc V
919515812983	BRP710 LED30 NW MR 12V LFP AIO 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

Controls and Dimming

Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller wattage	Panel peak wattage
919515813977	BRP710 LED30 CW MR HY FDIM50 SOLAR	20 Ah	Included	17 W	35 W
919515813980	BRP710 LED20 CW MR HY SOLAR	13.6 Ah	Included	11 W	28 W
919515813981	BRP710 LED30 CW MR HY SOLAR	20 Ah	Included	17 W	35 W
919515813987	BRP710 LED20 NW MR HY SOLAR	13.6 Ah	Included	11 W	28 W
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	30 Ah	-	-	60 W
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	30 Ah	-	-	60 W
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	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
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
919515813977	BRP710 LED30 CW MR HY FDIM50 SOLAR	Mono crystalline	17 Vmp, 21 Voc V
919515813980	BRP710 LED20 CW MR HY SOLAR	Poly crystalline	17 Vmp, 21 Voc V
919515813981	BRP710 LED30 CW MR HY SOLAR	Mono crystalline	17 Vmp, 21 Voc V
919515813987	BRP710 LED20 NW MR HY SOLAR	Poly crystalline	17 Vmp, 21 Voc V
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	Mono crystalline	17 Vmp, 21 Voc V
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	Mono crystalline	17 Vmp, 21 Voc V
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	Mono crystalline	17 V

Order Code	Full Product Name	Configurability
919515813978	BRP710 LED45 CW MR HY FDIM50 SOLAR	Factory Configurable
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	Factory Configurable
919515813982	BRP710 LED45 CW MR HY SOLAR	Factory Configurable
919515813985	BRP710 LED45 NW MR HY FDIM50 SOLAR	Factory Configurable
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	Factory Configurable
919515813993	BRP710 LED60 WW MR HY FDIM20 SOLAR	Factory Configurable
919515813996	BRP710 LED45 WW MR HY SOLAR	Factory Configurable
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	Factory Configurable
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Factory Configurable
919515812978	BRP710 LED20 NW MR 12V LFP Solar	Factory Configurable
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	Factory Configurable
919515898025	BRP710 LED20 NW 28PO PDIM50 BLE SOLAR EX	Configurable
919515898026	BRP710 LED20 CW 28PO PDIM50 BLE SOLAR EX	Configurable
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	Configurable

Mechanical and Housing

Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919515813978	BRP710 LED45 CW MR HY FDIM50 SOLAR	RAL 7011	188 mm	757 mm	511 mm
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	RAL 7011	188 mm	757 mm	511 mm
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
919515813986	BRP710 LED60 NW 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
919515813996	BRP710 LED45 WW MR HY 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
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
919515898025	BRP710 LED20 NW 28PO PDIM50 BLE SOLAR EX	RAL 7011	156 mm	684 mm	369 mm

Order Code	Full Product Name	Configurability
919515898032	BRP710 LED30 CW 60MO PDIM30 BLE SOLAR EX	Configurable
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
919515813977	BRP710 LED30 CW MR HY FDIM50 SOLAR	Factory Configurable
919515813980	BRP710 LED20 CW MR HY SOLAR	Factory Configurable
919515813981	BRP710 LED30 CW MR HY SOLAR	Factory Configurable
919515813987	BRP710 LED20 NW MR HY SOLAR	Factory Configurable
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	Factory Configurable
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	Factory Configurable
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	Configurable

Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919515898026	BRP710 LED20 CW 28PO PDIM50 BLE SOLAR EX	RAL 7011	156 mm	684 mm	369 mm
919515898028	BRP710 LED30 CW 35MO 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
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
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	Gray	188 mm	757 mm	511 mm
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	Gray	188 mm	757 mm	511 mm

Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919515898030	BRP710 LED45 CW 60MO PDIM30 BLE SOLAR EX	RAL 7011	188 mm	757 mm	511 mm

Application Conditions

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)	Grid connection type	Solar dimming profile
919515813978	BRP710 LED45 CW MR HY FDIM50 SOLAR	0 °C to +45 °C °C	-20 °C to +35 °C	Hybrid	5hrs 100% + 7 hrs 50%
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	0 °C to +45 °C	-20 °C to +35 °C	Hybrid	4hrs 100% + 8 hrs 20%
919515813982	BRP710 LED45 CW MR HY SOLAR	0 °C to +45 °C	-20 °C to +35 °C	Hybrid	100% Dusk to dawn
919515813985	BRP710 LED45 NW MR HY FDIM50 SOLAR	0 °C to +45 °C	-20 °C to +35 °C	Hybrid	5hrs 100% + 7 hrs 50%
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	0 °C to +45 °C	-20 °C to +35 °C	Hybrid	4hrs 100% + 8 hrs 20%
919515813993	BRP710 LED60 WW MR HY FDIM20 SOLAR	0 °C to +45 °C	-20 °C to +35 °C	Hybrid	4hrs 100% + 8 hrs 20%
919515813996	BRP710 LED45 WW MR HY SOLAR	0 °C to +45 °C	-20 °C to +35 °C	Hybrid	100% Dusk to dawn
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	0 °C to +45 °C	-20 °C to +35 °C	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)	Grid connection type	Solar dimming profile
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	0 °C to +45 °C	-20 °C to +35 °C	Off grid	5 Hrs, after 5 Hrs) 30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812978	BRP710 LED20 NW MR 12V LFP Solar	0 °C to +45 °C	-20 °C to +35 °C	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	0 °C to +45 °C	-20 °C to +35 °C	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515898025	BRP710 LED20 NW 28PO PDIM50 BLE SOLAR EX	0 °C to +45 °C	-20 °C to +35 °C	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	0 °C to +45 °C	-20 °C to +35 °C	Off grid	50% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515898028	BRP710 LED30 CW	0 °C to +45 °C	-20 °C to +35 °C	Off grid	30% Dusk to dawn, 100%

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)	Grid connection type	Solar dimming profile
	35MO				on motion.
	PDIM30				(Sensor
	BLE				disabled for
	SOLAR EX				5 Hrs, after 5 Hrs)
919515898032	BRP710	0 °C to +45 °C	-20 °C to +35 °C	Off grid	30% Dusk to dawn, 100%
	LED30 CW				on motion.
	60MO				(Sensor
	PDIM30				disabled for
	BLE				5 Hrs, after 5 Hrs)
	SOLAR EX				
919515898033	BRP710	0 °C to +45 °C	-20 °C to +35 °C	Off grid	50% Dusk to dawn, 100%
	LED20				on motion.
	WW 35MO				(Sensor
	PDIM50				disabled for
	BLE				5 Hrs, after 5 Hrs)
	SOLAR EX				
919515898034	BRP710	0 °C to +45 °C	-20 °C to +35 °C	Off grid	50% Dusk to dawn, 100%
	LED20 NW				on motion.
	35MO				(Sensor
	PDIM50				disabled for
	BLE				5 Hrs, after 5 Hrs)
	SOLAR EX				
919515898035	BRP710	0 °C to +45 °C	-20 °C to +35 °C	Off grid	50% Dusk to dawn, 100%
	LED20 CW				on motion.
	35MO				(Sensor
	PDIM50				disabled for
	BLE				
	SOLAR EX				

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)	Grid connection type	Solar dimming profile
					5 Hrs, after 5 Hrs)
919515813977	BRP710	0 °C to +45 °C	-20 °C to +35 °C	Hybrid	5hrs 100% + 7 hrs 50%
	LED30 CW				
	MR HY				
	FDIM50				
	SOLAR				
919515813980	BRP710	0 °C to +45 °C	-20 °C to +35 °C	Hybrid	100% Dusk to dawn
	LED20 CW				
	MR HY				
	SOLAR				
919515813981	BRP710	0 °C to +45 °C	-20 °C to +35 °C	Hybrid	100% Dusk to dawn
	LED30 CW				
	MR HY				
	SOLAR				
919515813987	BRP710	0 °C to +45 °C	-20 °C to +35 °C	Hybrid	100% Dusk to dawn
	LED20 NW				
	MR HY				
	SOLAR				
919515813567	BRP710	0 °C to +45 °C	-20 °C to +35 °C	Off grid	5hrs 100% + 7 hrs 30%
	LED45 CW				
	MR S1 12V				
	FD30 Solar				
919515813571	BRP710	0 °C to +45 °C	-20 °C to +35 °C	Off grid	5hrs 100% + 7 hrs 30%
	LED45 NW				
	MR S1 12V				
	FD30 Solar				
919515898030	BRP710	0 °C to +45 °C	-20 °C to +35 °C	Off grid	30% Dusk to dawn, 100%
	LED45 CW				on motion.
	60MO				(Sensor
	PDIM30				disabled for
	BLE				5 Hrs, after 5 Hrs)
	SOLAR EX				

