



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

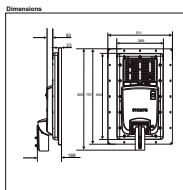
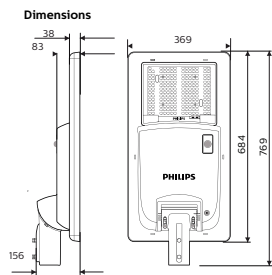
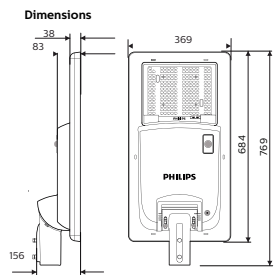
Features

- 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

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
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
919515814304	BRP710 LED30 WW 60MO 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
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	4000 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
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

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
919515813985	BRP710 LED45 NW MR HY FDIM50 SOLAR	30 Ah	Included	25 W	Hybrid
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

Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller wattage	Grid connection type
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
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	30 Ah	-	-	Off grid
919515814406	BRP710 LED20 WW 28PO	13.6 Ah	-	-	Off grid

Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller wattage	Grid connection type
919515898027	PDIM50 BLE Solar	20 Ah	-	-	Off grid
	BRP710 LED30 NW 35MO PDIM30 BLE SOLAR EX				
919515898028	BRP710 LED30 CW 35MO PDIM30 BLE SOLAR EX	20 Ah	-	-	Off grid
	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX				
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	30 Ah	-	-	Off grid
	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX				
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	20 Ah	-	-	Off grid
	BRP710 LED20 CW 35MO PDIM50 BLE SOLAR EX				
919515813976	BRP710 LED20 CW MR HY FDIM50 SOLAR	13.6 Ah	Included	11 W	Hybrid

Operating and Electrical (2/2)

Order Code	Full Product Name	Panel peak		Panel voltage
		wattage	Panel type	
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
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
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

Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller wattage	Grid connection type
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
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

Order Code	Full Product Name	Panel peak		Panel voltage
		wattage	Panel type	
919515814301	BRP710 LED30 WW 35MO PDIM30 BLE Solar	35 W	Mono crystalline	17 V
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	60 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
919515898031	BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX	60 W	Mono crystalline	17 V

Order Code	Full Product Name	Panel peak		
		wattage	Panel type	Panel voltage
919515898033	BRP710 LED20 WW	35 W	Mono	17 V
	35MO PDIM50 BLE		crystalline	
	SOLAR EX			
919515898035	BRP710 LED20 CW	35 W	Mono	17 V
	35MO PDIM50 BLE		crystalline	
	SOLAR EX			
919515813976	BRP710 LED20 CW MR	28 W	Poly	17 Vmp, 21 Voc
	HY FDIM50 SOLAR		crystalline	
919515813977	BRP710 LED30 CW MR	35 W	Mono	17 Vmp, 21 Voc
	HY FDIM50 SOLAR		crystalline	
919515813980	BRP710 LED20 CW MR	28 W	Poly	17 Vmp, 21 Voc
	HY SOLAR		crystalline	

Controls and Dimming

Order Code	Full Product Name	Configurability	Solar dimming profile
919515813982	BRP710 LED45 CW	Factory	100% Dusk to dawn
	MR HY SOLAR	Configurable	
919515813985	BRP710 LED45 NW	Factory	5hrs 100% + 7 hrs 50%
	MR HY FDIM50 SOLAR	Configurable	
919515813989	BRP710 LED45 NW	Factory	100% Dusk to dawn
	MR HY SOLAR	Configurable	
919515813993	BRP710 LED60 WW	Factory	4hrs 100% + 8 hrs 20%
	MR HY FDIM20 SOLAR	Configurable	
919515813996	BRP710 LED45 WW	Factory	100% Dusk to dawn
	MR HY SOLAR	Configurable	
919515812966	BRP710 LED20 WW	Factory	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	MR 12V LFP Solar	Configurable	
919515812971	BRP710 LED30 WW	Factory	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	MR 12V LFP AIO Solar	Configurable	
919515812978	BRP710 LED20 NW	Factory	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	MR 12V LFP Solar	Configurable	
919515812983	BRP710 LED30 NW	Factory	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	MR 12V LFP AIO Solar	Configurable	
919515814301	BRP710 LED30 WW	Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	35MO PDIM30 BLE Solar		
919515814304	BRP710 LED30 WW	Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	60MO PDIM30 BLE Solar		
919515814406	BRP710 LED20 WW	Configurable	50% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	28PO PDIM50 BLE Solar		
919515898027	BRP710 LED30 NW	Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	35MO PDIM30 BLE SOLAR EX		

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

Order Code	Full Product Name	Configurability	Solar dimming profile
919515898028	BRP710 LED30 CW	Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	35MO PDIM30 BLE SOLAR EX		
919515898031	BRP710 LED30 NW	Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	60MO PDIM30 BLE SOLAR EX		
919515898033	BRP710 LED20 WW	Configurable	50% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	35MO PDIM50 BLE SOLAR EX		
919515898035	BRP710 LED20 CW	Configurable	50% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	35MO PDIM50 BLE SOLAR EX		
919515813976	BRP710 LED20 CW	Factory	5hrs 100% + 7 hrs 50%
	MR HY FDIM50 SOLAR	Configurable	
919515813977	BRP710 LED30 CW	Factory	5hrs 100% + 7 hrs 50%
	MR HY FDIM50 SOLAR	Configurable	
919515813980	BRP710 LED20 CW	Factory	100% Dusk to dawn
	MR HY SOLAR	Configurable	
919515813981	BRP710 LED30 CW	Factory	100% Dusk to dawn
	MR HY SOLAR	Configurable	
919515813987	BRP710 LED20 NW	Factory	100% Dusk to dawn
	MR HY SOLAR	Configurable	
919515813568	BRP710 LED45 WW	Factory	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	MR S1 12V LFP Solar	Configurable	
919515813571	BRP710 LED45 NW	Factory	5hrs 100% + 7 hrs 30%
	MR S1 12V FD30 Solar	Configurable	
919515898030	BRP710 LED45 CW	Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
	60MO PDIM30 BLE SOLAR EX		

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
919515814304	BRP710 LED30 WW 60MO 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
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
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
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

