



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

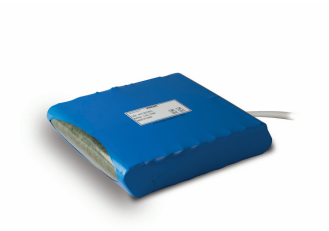
Features

- 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

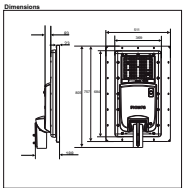
- Class A & B roads
- Rural areas
- Parks, pedestrian path lighting
- Industries, office, schools
- Shopping centers, corporate campuses, plazas

Versions

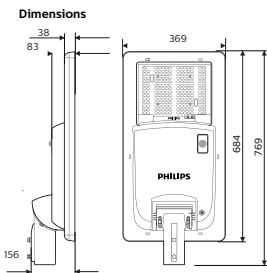


Lithium Ferro Phosphate battery

Dimensional drawing



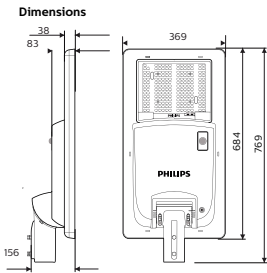
PHILIPS



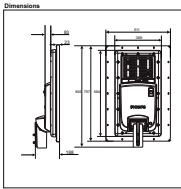
Dimensions



Description	12NC	Product Dimension LxWxH (cm)
SPARE BT LFP 12.8V 30Ah SOLAR EQUIP	919415811056	30x17.5x6
SPARE BT LFP 12.8V 20Ah SOLAR EQUIP	919415811055	30x17.5x6
SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	919415811054	22x17.5x5



Dimensional drawing



PHILIPS

Operating and Electrical	
Battery charging & discharging cycles	2000
Battery type	Lithium Ferro Phosphate
Battery voltage	12.8 V
Temperature	
Ambient temperature range	0 to +35 °C

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)
919515813174	BRP710 LED30 CW MR HY SOLAR IN	5700 K	>70
919515813615	BRP710 LED20 CW MR HY FDIM50 SOLAR IN	5700 K	>70
919515813616	BRP710 LED30 CW MR HY FDIM50 SOLAR IN	5700 K	>70
91951581368	BRP710 LED45 CW MR HY SOLAR IN	5700 K	>70
919515813617	BRP710 LED45 CW MR HY FDIM50 SOLAR IN	5700 K	>70
919515813754	BRP710 LED60 CW MR HY FDIM20 SOLAR IN	5700 K	>70
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	5700 K	>70
919515812389	BRP710 LED20 CW MR S1 12V LFP AIO Solar	5700 K	>70
919515812390	BRP710 LED30 CW MR S1 12V LFP AIO Solar	5700 K	>70
919515812967	BRP710 LED20 WW MR 12V 28PO PDIM50 Solar	3000 K	>70

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)
919515812970	BRP710 LED20 WW MR 12V 35MO Solar	3000 K	>70
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	3000 K	>70
919515812979	BRP710 LED20 NW MR 12V 28PO PDIM50 Solar	4000 K	>70
919515812982	BRP710 LED20 NW MR 12V 35MO Solar	4000 K	>70
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	5700 K	>70
919515812831	BRP710 LED45 CW MR S1 12V FD30 Solar IN	5700 K	>70
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	5700 K	>70
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	-	-
919415811055	SPARE BT LFP 12.8V 20Ah SOLAR EQUIP	-	-
919415811056	SPARE BT LFP 12.8V 30Ah SOLAR EQUIP	-	-

Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller type	Charge controller wattage	Panel peak wattage	Panel type	Panel voltage
919515813174	BRP710 LED30 CW MR HY SOLAR IN	20 Ah	Included	MPPT	17 W	35 W	Mono crystalline	17 Vmp, 21 Voc V
919515813615	BRP710 LED20 CW MR HY FDIM50 SOLAR IN	13.6 Ah	Included	MPPT	11 W	28 W	Poly crystalline	17 Vmp, 21 Voc V
919515813616	BRP710 LED30 CW MR HY FDIM50 SOLAR IN	20 Ah	Included	MPPT	17 W	35 W	Mono crystalline	17 Vmp, 21 Voc V
919515813168	BRP710 LED45 CW MR HY SOLAR IN	30 Ah	Included	MPPT	25 W	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515813617	BRP710 LED45 CW MR HY FDIM50 SOLAR IN	30 Ah	Included	MPPT	25 W	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515813754	BRP710 LED60 CW MR HY FDIM20 SOLAR IN	30 Ah	Included	MPPT	35 W	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	13.6 Ah	-	MPPT	-	28 W	Poly crystalline	17 Vmp, 21 Voc V
919515812389	BRP710 LED20 CW MR S1 12V LFP AIO Solar	13.6 Ah	-	MPPT	-	28 W	Poly crystalline	17 Vmp, 21 Voc V
919515812390	BRP710 LED30 CW MR S1 12V LFP AIO Solar	20 Ah	-	MPPT	-	35 W	Mono crystalline	17 Vmp, 21 Voc V
919515812967	BRP710 LED20 WW MR 12V 28PO PDIM50 Solar	13.6 Ah	-	MPPT	-	28 W	Poly crystalline	17 Vmp, 21 Voc V
919515812970	BRP710 LED20 WW MR 12V 35MO Solar	20 Ah	-	MPPT	-	35 W	Mono crystalline	17 Vmp, 21 Voc V
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	20 Ah	-	MPPT	-	35 W	Mono crystalline	17 Vmp, 21 Voc V
919515812979	BRP710 LED20 NW MR 12V 28PO PDIM50 Solar	13.6 Ah	-	MPPT	-	28 W	Poly crystalline	17 Vmp, 21 Voc V
919515812982	BRP710 LED20 NW MR 12V 35MO Solar	20 Ah	-	MPPT	-	35 W	Mono crystalline	17 Vmp, 21 Voc V
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	30 Ah	-	MPPT	-	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515812831	BRP710 LED45 CW MR S1 12V FD30 Solar IN	30 Ah	-	MPPT	-	60 W	Mono crystalline	17 Vmp, 21 Voc V
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	30 Ah	-	MPPT	-	60 W	Mono crystalline	17 Vmp, 21 Voc V
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	13.6 Ah	-	-	-	-	-	-
919415811055	SPARE BT LFP 12.8V 20Ah SOLAR EQUIP	20 Ah	-	-	-	-	-	-
919415811056	SPARE BT LFP 12.8V 30Ah SOLAR EQUIP	30 Ah	-	-	-	-	-	-

Controls and Dimming

Order Code	Full Product Name	Dimmable	Configurability	Order Code	Full Product Name	Dimmable	Configurability
919515813174	BRP710 LED30 CW MR HY SOLAR IN	Yes	Factory Configurable	919515812390	BRP710 LED30 CW MR S1 12V LFP AIO Solar	Yes	Factory Configurable
919515813615	BRP710 LED20 CW MR HY FDIM50 SOLAR IN	Yes	Factory Configurable	919515812967	BRP710 LED20 WW MR 12V 28PO PDIM50 Solar	Yes	Factory Configurable
919515813616	BRP710 LED30 CW MR HY FDIM50 SOLAR IN	Yes	Factory Configurable	919515812970	BRP710 LED20 WW MR 12V 35MO Solar	Yes	Factory Configurable
919515813168	BRP710 LED45 CW MR HY SOLAR IN	Yes	Factory Configurable	919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Yes	Factory Configurable
919515813617	BRP710 LED45 CW MR HY FDIM50 SOLAR IN	Yes	Factory Configurable	919515812979	BRP710 LED20 NW MR 12V 28PO PDIM50 Solar	Yes	Factory Configurable
919515813754	BRP710 LED60 CW MR HY FDIM20 SOLAR IN	Yes	Factory Configurable	919515812982	BRP710 LED20 NW MR 12V 35MO Solar	Yes	Factory Configurable
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	Yes	Factory Configurable	919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	Yes	Factory Configurable
919515812389	BRP710 LED20 CW MR S1 12V LFP AIO Solar	Yes	Factory Configurable				

Order Code	Full Product Name	Dimmable	Configurability
919515812831	BRP710 LED45 CW MR S1 12V FD30 Solar IN	Yes	Factory Configurable
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	Yes	Factory Configurable
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	-	-

Mechanical and Housing

Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919515813174	BRP710 LED30 CW MR HY SOLAR IN	RAL 7011	156 mm	684 mm	369 mm
919515813615	BRP710 LED20 CW MR HY FDM50 SOLAR IN	RAL 7011	156 mm	684 mm	369 mm
919515813616	BRP710 LED30 CW MR HY FDM50 SOLAR IN	RAL 7011	156 mm	684 mm	369 mm
919515813168	BRP710 LED45 CW MR HY SOLAR IN	RAL 7011	188 mm	757 mm	511 mm
919515813617	BRP710 LED45 CW MR HY FDM50 SOLAR IN	RAL 7011	188 mm	757 mm	511 mm
919515813754	BRP710 LED60 CW MR HY FDM20 SOLAR IN	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
919515812389	BRP710 LED20 CW MR S1 12V LFP AIO Solar	Gray	156 mm	684 mm	369 mm
919515812390	BRP710 LED30 CW MR S1 12V LFP AIO Solar	Gray	156 mm	684 mm	369 mm
919515812967	BRP710 LED20 WW MR 12V 28PO PDM50 Solar	Gray	156 mm	684 mm	369 mm

Approval and Application

Order Code	Full Product Name	Ingress protection code
919515813174	BRP710 LED30 CW MR HY SOLAR IN	IP65
919515813615	BRP710 LED20 CW MR HY FDM50 SOLAR IN	IP65
919515813616	BRP710 LED30 CW MR HY FDM50 SOLAR IN	IP65
919515813168	BRP710 LED45 CW MR HY SOLAR IN	IP65
919515813617	BRP710 LED45 CW MR HY FDM50 SOLAR IN	IP65
919515813754	BRP710 LED60 CW MR HY FDM20 SOLAR IN	IP65
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	IP65
919515812389	BRP710 LED20 CW MR S1 12V LFP AIO Solar	IP65

Order Code	Full Product Name	Dimmable	Configurability
919415811055	SPARE BT LFP 12.8V 20Ah SOLAR EQUIP	-	-
919415811056	SPARE BT LFP 12.8V 30Ah SOLAR EQUIP	-	-

Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919515812970	BRP710 LED20 WW MR 12V 35MO Solar	Gray	156 mm	684 mm	369 mm
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Gray	156 mm	684 mm	369 mm
919515812979	BRP710 LED20 NW MR 12V 28PO PDM50 Solar	Gray	156 mm	684 mm	369 mm
919515812982	BRP710 LED20 NW MR 12V 35MO Solar	Gray	156 mm	684 mm	369 mm
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	Gray	188 mm	757 mm	511 mm
919515812831	BRP710 LED45 CW MR S1 12V FD30 Solar IN	Gray	188 mm	757 mm	511 mm
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	Gray	188 mm	757 mm	511 mm
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	-	220 mm	175 mm	50 mm
919415811055	SPARE BT LFP 12.8V 20Ah SOLAR EQUIP	-	300 mm	175 mm	60 mm
919415811056	SPARE BT LFP 12.8V 30Ah SOLAR EQUIP	-	300 mm	175 mm	60 mm

Order Code	Full Product Name	Ingress protection code
919515812390	BRP710 LED30 CW MR S1 12V LFP AIO Solar	IP65
919515812967	BRP710 LED20 WW MR 12V 28PO PDM50 Solar	IP65
919515812970	BRP710 LED20 WW MR 12V 35MO Solar	IP65
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	IP65
919515812979	BRP710 LED20 NW MR 12V 28PO PDM50 Solar	IP65
919515812982	BRP710 LED20 NW MR 12V 35MO Solar	IP65
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	IP65
919515812831	BRP710 LED45 CW MR S1 12V FD30 Solar IN	IP65

Order Code	Full Product Name	Ingress protection code	Order Code	Full Product Name	Ingress protection code
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	IP65	919415811055	SPARE BT LFP 12.8V 20Ah SOLAR EQUIP	-
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	-	919415811056	SPARE BT LFP 12.8V 30Ah SOLAR EQUIP	-

Application Conditions

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)	Battery location	Grid connection type	Solar dimming profile
919515813174	BRP710 LED30 CW MR HY SOLAR IN	0 °C to +45 °C	-20 °C to +35 °C	Integrated	Hybrid	100% Dusk to dawn
919515813615	BRP710 LED20 CW MR HY FDIM50 SOLAR IN	0 °C to +45 °C	-20 °C to +35 °C	Integrated	Hybrid	5hrs 100% + 7 hrs 50%
919515813616	BRP710 LED30 CW MR HY FDIM50 SOLAR IN	0 °C to +45 °C	-20 °C to +35 °C	Integrated	Hybrid	5hrs 100% + 7 hrs 50%
919515813168	BRP710 LED45 CW MR HY SOLAR IN	0 °C to +45 °C	-20 °C to +35 °C	Integrated	Hybrid	100% Dusk to dawn
919515813617	BRP710 LED45 CW MR HY FDIM50 SOLAR IN	0 °C to +45 °C	-20 °C to +35 °C	Integrated	Hybrid	5hrs 100% + 7 hrs 50%
919515813754	BRP710 LED60 CW MR HY FDIM20 SOLAR IN	0 °C to +45 °C	-20 °C to +35 °C	Integrated	Hybrid	4hrs 100% + 8 hrs 20%
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	0 °C to +45 °C	-20 °C to +35 °C	Inside Luminaire	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812389	BRP710 LED20 CW MR S1 12V LFP AIO Solar	0 °C to +45 °C	-20 °C to +35 °C	Inside Luminaire	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812390	BRP710 LED30 CW MR S1 12V LFP AIO Solar	0 °C to +45 °C	-20 °C to +35 °C	Inside Luminaire	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	0 °C to +45 °C	-20 °C to +35 °C	Inside Luminaire	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	0 °C to +45 °C	-20 °C to +35 °C	Inside Luminaire	Off grid	No dimming
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	0 °C to +45 °C	-20 °C to +35 °C	Inside Luminaire	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812979	BRP710 LED20 NW MR 12V 28PO PDIM50 Solar	0 °C to +45 °C	-20 °C to +35 °C	Inside Luminaire	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	0 °C to +45 °C	-20 °C to +35 °C	Inside Luminaire	Off grid	No dimming
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	0 °C to +45 °C	-20 °C to +35 °C	Inside Luminaire	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812831	BRP710 LED45 CW MR S1 12V FD30 Solar IN	0 °C to +45 °C	-20 °C to +35 °C	Inside Luminaire	Off grid	5hrs 100% + 7 hrs 30%
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	0 °C to +45 °C	-20 °C to +35 °C	Inside Luminaire	Off grid	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)

Order Code	Full Product Name	Ambient temperature range		Battery location	Grid connection	
		Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)		type	Solar dimming profile
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	0 °C to +45 °C	-20 °C to +60 °C	-	-	-
919415811055	SPARE BT LFP 12.8V 20Ah SOLAR EQUIP	0 °C to +45 °C	-20 °C to +60 °C	-	-	-
919415811056	SPARE BT LFP 12.8V 30Ah SOLAR EQUIP	0 °C to +45 °C	-20 °C to +60 °C	-	-	-

