



SunStay - All In One solar street light

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

Applications

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

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

Versions



sunstay without pir



SunStay Hybrid



SunStay Hybrid



SunStay Hybrid



standard shot sunstay



SunStay Hybrid

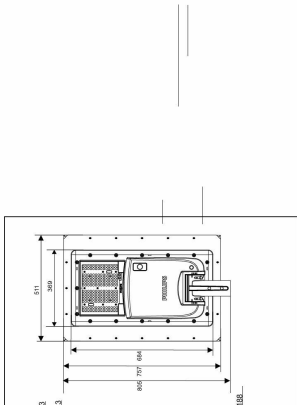


SunStay 4500 Lumen



Lithium Ferro Phosphate
batery

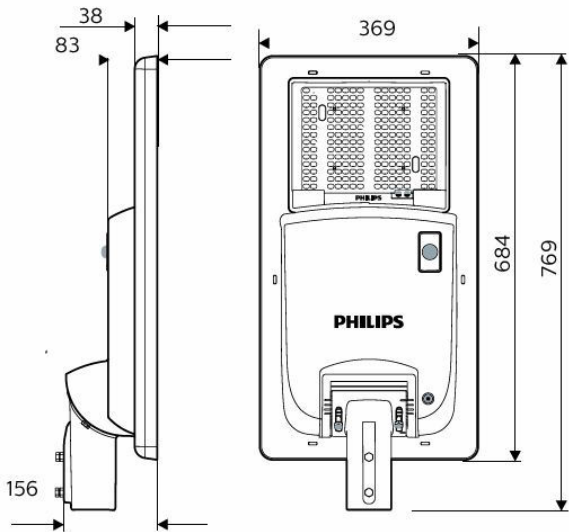
Dimensional drawing



Dimension drawing Sunstay 4500

PHILIPS

Dimensions



SunStay Hybrid

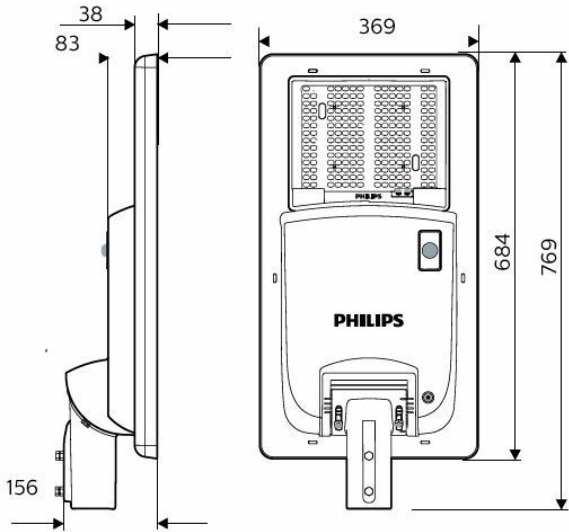
Dimensions



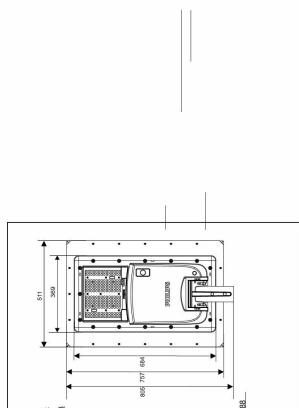
Description	12NC	Product Dimension LxWxH (cm)
SPARE BT LFP 12.8V 30Ah SOLAR EQUIP	919415811056	30x17.5x6
SPARE BT LFP 12.8V 20Ah SOLAR EQUIP	919415811055	30x17.5x6
SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	919415811054	22x17.5x5

Dimensional Drawing

Dimensions



Sunstay dimensions



PHILIPS

SunStay Hybrid

Light Technical

Color rendering index (CRI) >70

Operating and Electrical

Battery type Lithium Ferro Phosphate
 Battery voltage 12.8 V
 Battery charging & discharging cycles 2000
 Panel voltage 17 Vmp, 21 Voc V
 Charge controller type MPPT
 Cable connection kit Included

Controls and Dimming

Dimmable Yes
 Configurability Factory Configurable

Mechanical and Housing

Ingress protection code IP65 [Dust penetration-protected, jet-proof]

Approval and Application

Ambient temperature range 0 to +35 °C

Application Conditions

Ambient temperature range for charging 0 °C to +45 °C

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)
919515812627	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	5700 K
919515812628	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	5700 K
919515812631	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	5700 K
919515812632	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	5700 K
919515813174	BRP710 LED30 CW MR HY SOLAR IN	5700 K
919515813614	BRP710 LED20 CW MR HY SOLAR IN	5700 K
919515813615	BRP710 LED20 CW MR HY FDIM50 SOLAR IN	5700 K
919515813616	BRP710 LED30 CW MR HY FDIM50 SOLAR IN	5700 K
919515813617	BRP710 LED45 CW MR HY FDIM50 SOLAR IN	5700 K
919515813754	BRP710 LED60 CW MR HY FDIM20 SOLAR IN	5700 K
919515813982	BRP710 LED45 CW MR HY SOLAR	5700 K
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	4000 K
919515813989	BRP710 LED45 NW MR HY SOLAR	4000 K
919515813992	BRP710 LED45 WW MR HY FDIM50 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
919515812390	BRP710 LED30 CW MR S1 12V LFP AIO Solar	5700 K
919515812625	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	5700 K
919515812626	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	5700 K
919515812629	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	5700 K
919515812630	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	5700 K
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	3000 K
919515813976	BRP710 LED20 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
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	5700 K
919515812831	BRP710 LED45 CW MR S1 12V FD30 Solar IN	5700 K
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	5700 K
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	Panel type	Panel peak wattage	Charge con- troller wattage	Grid connec- tion type
919515812627	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	13.6 Ah	Mono crystalline	35 W	-	Off grid
919515812628	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	13.6 Ah	Mono crystalline	35 W	-	Off grid
919515812631	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	13.6 Ah	Mono crystalline	35 W	-	Off grid
919515812632	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	13.6 Ah	Mono crystalline	35 W	-	Off grid
919515813174	BRP710 LED30 CW MR HY SOLAR IN	20 Ah	Mono crystalline	35 W	17 W	Hybrid
919515813614	BRP710 LED20 CW MR HY SOLAR IN	13.6 Ah	Poly crystalline	28 W	11 W	Hybrid
919515813615	BRP710 LED20 CW MR HY FDIM50 SOLAR IN	13.6 Ah	Poly crystalline	28 W	11 W	Hybrid

Order Code	Full Product Name	Battery ampere hour	Panel type	Panel peak wattage	Charge con- troller wattage	Grid connec- tion type
919515813616	BRP710 LED30 CW MR HY FDIM50 SOLAR IN	20 Ah	Mono crystalline	35 W	17 W	Hybrid
919515813617	BRP710 LED45 CW MR HY FDIM50 SOLAR IN	30 Ah	Mono crystalline	60 W	25 W	Hybrid
919515813754	BRP710 LED60 CW MR HY FDIM20 SOLAR IN	30 Ah	Mono crystalline	60 W	35 W	Hybrid
919515813982	BRP710 LED45 CW MR HY SOLAR	30 Ah	Mono crystalline	60 W	25 W	Hybrid
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	30 Ah	Mono crystalline	60 W	35 W	Hybrid
919515813989	BRP710 LED45 NW MR HY SOLAR	30 Ah	Mono crystalline	60 W	25 W	Hybrid
919515813992	BRP710 LED45 WW MR HY FDIM50 SOLAR	30 Ah	Mono crystalline	60 W	25 W	Hybrid
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	13.6 Ah	Poly crystalline	28 W	-	Off grid
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	20 Ah	Mono crystalline	35 W	-	Off grid
919515812390	BRP710 LED30 CW MR S1 12V LFP AIO Solar	20 Ah	Mono crystalline	35 W	-	Off grid
919515812625	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	13.6 Ah	Poly crystalline	28 W	-	Off grid
919515812626	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	13.6 Ah	Mono crystalline	35 W	-	Off grid
919515812629	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	13.6 Ah	Poly crystalline	28 W	-	Off grid
919515812630	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	13.6 Ah	Mono crystalline	35 W	-	Off grid
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	20 Ah	Mono crystalline	35 W	-	Off grid
919515813976	BRP710 LED20 CW MR HY FDIM50 SOLAR	13.6 Ah	Poly crystalline	28 W	11 W	Hybrid
919515813980	BRP710 LED20 CW MR HY SOLAR	13.6 Ah	Poly crystalline	28 W	11 W	Hybrid
919515813981	BRP710 LED30 CW MR HY SOLAR	20 Ah	Mono crystalline	35 W	17 W	Hybrid
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	30 Ah	Mono crystalline	60 W	-	Off grid
919515812831	BRP710 LED45 CW MR S1 12V FD30 Solar IN	30 Ah	Mono crystalline	60 W	-	Off grid
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	30 Ah	Mono crystalline	60 W	-	Off grid
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	Solar dimming profile
919515812627	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	5hrs 100% + 7 hrs 50%
919515812628	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	No Dimming
919515812631	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	5hrs 100% + 7 hrs 50%
919515812632	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	No Dimming
919515813174	BRP710 LED30 CW MR HY SOLAR IN	100% Dusk to dawn
919515813614	BRP710 LED20 CW MR HY SOLAR IN	100% Dusk to dawn
919515813615	BRP710 LED20 CW MR HY FDIM50 SOLAR IN	5hrs 100% + 7 hrs 50%
919515813616	BRP710 LED30 CW MR HY FDIM50 SOLAR IN	5hrs 100% + 7 hrs 50%
919515813617	BRP710 LED45 CW MR HY FDIM50 SOLAR IN	5hrs 100% + 7 hrs 50%
919515813754	BRP710 LED60 CW MR HY FDIM20 SOLAR IN	4hrs 100% + 8 hrs 20%
919515813982	BRP710 LED45 CW MR HY SOLAR	100% Dusk to dawn
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	4hrs 100% + 8 hrs 20%
919515813989	BRP710 LED45 NW MR HY SOLAR	100% Dusk to dawn
919515813992	BRP710 LED45 WW MR HY FDIM50 SOLAR	5hrs 100% + 7 hrs 50%
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)

Order Code	Full Product Name	Solar dimming profile
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	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	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812625	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812626	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812629	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812630	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515813976	BRP710 LED20 CW MR HY FDIM50 SOLAR	5hrs 100% + 7 hrs 50%
919515813980	BRP710 LED20 CW MR HY SOLAR	100% Dusk to dawn
919515813981	BRP710 LED30 CW MR HY SOLAR	100% Dusk to dawn
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	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	5hrs 100% + 7 hrs 30%
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919415811055	SPARE BT LFP 12.8V 20Ah SOLAR EQUIP	-
919415811056	SPARE BT LFP 12.8V 30Ah SOLAR EQUIP	-

Mechanical and Housing

Order Code	Full Product Name	Housing Color	Overall length	Overall width	Overall height	Battery location
919515812627	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	Gray	684 mm	369 mm	156 mm	Inside Luminaire
919515812628	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	Gray	684 mm	369 mm	156 mm	Inside Luminaire
919515812631	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	Gray	684 mm	369 mm	156 mm	Inside Luminaire
919515812632	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	Gray	684 mm	369 mm	156 mm	Inside Luminaire
919515813174	BRP710 LED30 CW MR HY SOLAR IN	RAL 7011	684 mm	369 mm	156 mm	Integrated
919515813614	BRP710 LED20 CW MR HY SOLAR IN	RAL 7011	684 mm	369 mm	156 mm	Integrated
919515813615	BRP710 LED20 CW MR HY FDIM50 SOLAR IN	RAL 7011	684 mm	369 mm	156 mm	Integrated
919515813616	BRP710 LED30 CW MR HY FDIM50 SOLAR IN	RAL 7011	684 mm	369 mm	156 mm	Integrated
919515813617	BRP710 LED45 CW MR HY FDIM50 SOLAR IN	RAL 7011	757 mm	511 mm	188 mm	Integrated
919515813754	BRP710 LED60 CW MR HY FDIM20 SOLAR IN	RAL 7011	757 mm	511 mm	188 mm	Integrated
919515813982	BRP710 LED45 CW MR HY SOLAR	RAL 7011	757 mm	511 mm	188 mm	Inside Luminaire
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	RAL 7011	757 mm	511 mm	188 mm	Inside Luminaire
919515813989	BRP710 LED45 NW MR HY SOLAR	RAL 7011	757 mm	511 mm	188 mm	Inside Luminaire
919515813992	BRP710 LED45 WW MR HY FDIM50 SOLAR	RAL 7011	757 mm	511 mm	188 mm	Inside Luminaire
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	Gray	684 mm	369 mm	156 mm	Inside Luminaire
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	Gray	684 mm	369 mm	156 mm	Inside Luminaire
919515812390	BRP710 LED30 CW MR S1 12V LFP AIO Solar	Gray	684 mm	369 mm	156 mm	Inside Luminaire
919515812625	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	Gray	684 mm	369 mm	156 mm	Inside Luminaire
919515812626	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	Gray	684 mm	369 mm	156 mm	Inside Luminaire
919515812629	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	Gray	684 mm	369 mm	156 mm	Inside Luminaire
919515812630	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	Gray	684 mm	369 mm	156 mm	Inside Luminaire
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Gray	684 mm	369 mm	156 mm	Inside Luminaire
919515813976	BRP710 LED20 CW MR HY FDIM50 SOLAR	RAL 7011	684 mm	369 mm	156 mm	Inside Luminaire

Order Code	Full Product Name	Housing Color	Overall length	Overall width	Overall height	Battery location
919515813980	BRP710 LED20 CW MR HY SOLAR	RAL 7011	684 mm	369 mm	156 mm	Inside Luminaire
919515813981	BRP710 LED30 CW MR HY SOLAR	RAL 7011	684 mm	369 mm	156 mm	Inside Luminaire
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	Gray	757 mm	511 mm	188 mm	Inside Luminaire
919515812831	BRP710 LED45 CW MR S1 12V FD30 Solar IN	Gray	757 mm	511 mm	188 mm	Inside Luminaire
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	Gray	757 mm	511 mm	188 mm	Inside Luminaire
919415811055	SPARE BT LFP 12.8V 20Ah SOLAR EQUIP	-	175 mm	60 mm	300 mm	-
919415811056	SPARE BT LFP 12.8V 30Ah SOLAR EQUIP	-	175 mm	60 mm	300 mm	-

Application Conditions

Order Code	Full Product Name	Ambient temperature range for discharging (when light is on)
919515812627	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	-20 °C to +35 °C
919515812628	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	-20 °C to +35 °C
919515812631	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	-20 °C to +35 °C
919515812632	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	-20 °C to +35 °C
919515813174	BRP710 LED30 CW MR HY SOLAR IN	-20 °C to +35 °C
919515813614	BRP710 LED20 CW MR HY SOLAR IN	-20 °C to +35 °C
919515813615	BRP710 LED20 CW MR HY FDIM50 SOLAR IN	-20 °C to +35 °C
919515813616	BRP710 LED30 CW MR HY FDIM50 SOLAR IN	-20 °C to +35 °C
919515813617	BRP710 LED45 CW MR HY FDIM50 SOLAR IN	-20 °C to +35 °C
919515813754	BRP710 LED60 CW MR HY FDIM20 SOLAR IN	-20 °C to +35 °C
919515813982	BRP710 LED45 CW MR HY SOLAR	-20 °C to +35 °C
919515813986	BRP710 LED60 NW MR HY FDIM20 SOLAR	-20 °C to +35 °C
919515813989	BRP710 LED45 NW MR HY SOLAR	-20 °C to +35 °C
919515813992	BRP710 LED45 WW MR HY FDIM50 SOLAR	-20 °C to +35 °C
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	-20 °C to +35 °C
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	-20 °C to +35 °C
919515812390	BRP710 LED30 CW MR S1 12V LFP AIO Solar	-20 °C to +35 °C
919515812625	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	-20 °C to +35 °C
919515812626	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	-20 °C to +35 °C
919515812629	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	-20 °C to +35 °C
919515812630	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	-20 °C to +35 °C
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	-20 °C to +35 °C
919515813976	BRP710 LED20 CW MR HY FDIM50 SOLAR	-20 °C to +35 °C
919515813980	BRP710 LED20 CW MR HY SOLAR	-20 °C to +35 °C
919515813981	BRP710 LED30 CW MR HY SOLAR	-20 °C to +35 °C
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	-20 °C to +35 °C
919515812831	BRP710 LED45 CW MR S1 12V FD30 Solar IN	-20 °C to +35 °C
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	-20 °C to +35 °C
919415811055	SPARE BT LFP 12.8V 20Ah SOLAR EQUIP	-20 °C to +60 °C
919415811056	SPARE BT LFP 12.8V 30Ah SOLAR EQUIP	-20 °C to +60 °C