



## 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 Hybrid



SunStay Hybrid

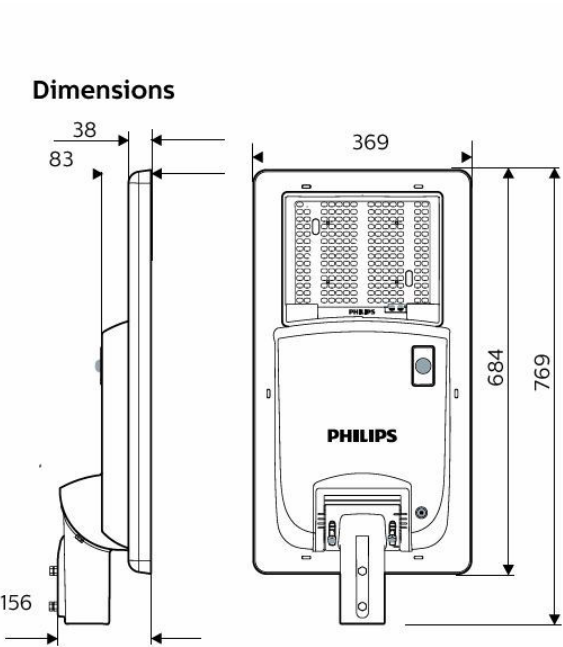


BRP710

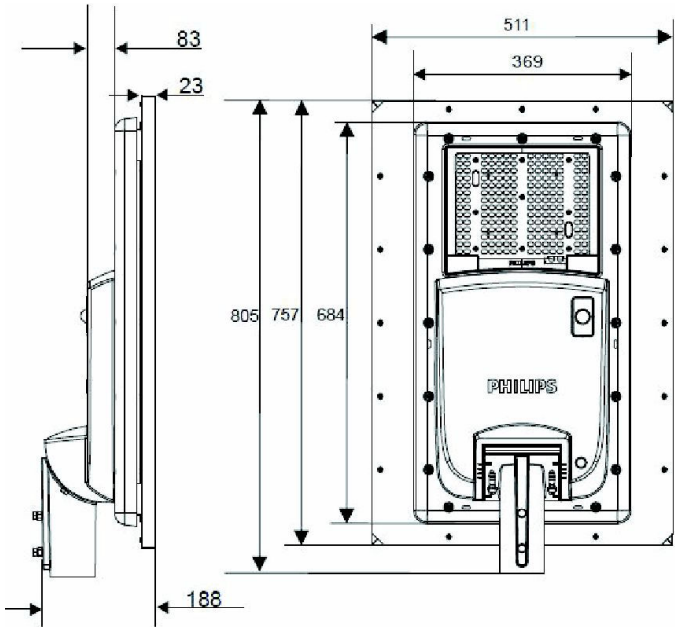


SunStay 4500 Lumen

**Dimensional drawing**

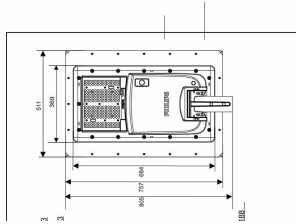


SunStay Hybrid



BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX

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  
Charge controller type MPPT  
Cable connection kit Included

### Controls and Dimming

Dimmable Yes

### Mechanical and Housing

Housing Color RAL 7011  
Battery location Inside Luminaire  
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  
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) |
|--------------|------------------------------------------|------------------------------------|
| 919515813979 | BRP710 LED60 CW MR HY FDIM20 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                             |
| 919515813987 | BRP710 LED20 NW MR HY SOLAR              | 4000 K                             |
| 919515898031 | BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX | 4000 K                             |
| 919515898029 | BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX | 4000 K                             |

## Operating and Electrical

| Order Code   | Full Product Name                        | Battery<br>ampere hour | Panel type       | Panel voltage    | Panel peak<br>wattage | Charge con-<br>troller wat-<br>tage | Grid connec-<br>tion type |
|--------------|------------------------------------------|------------------------|------------------|------------------|-----------------------|-------------------------------------|---------------------------|
| 919515813979 | BRP710 LED60 CW MR HY FDIM20 SOLAR       | 30 Ah                  | Mono crystalline | 17 Vmp, 21 Voc V | 60 W                  | 35 W                                | Hybrid                    |
| 919515813986 | BRP710 LED60 NW MR HY FDIM20 SOLAR       | 30 Ah                  | Mono crystalline | 17 Vmp, 21 Voc V | 60 W                  | 35 W                                | Hybrid                    |
| 919515813989 | BRP710 LED45 NW MR HY SOLAR              | 30 Ah                  | Mono crystalline | 17 Vmp, 21 Voc V | 60 W                  | 25 W                                | Hybrid                    |
| 919515813992 | BRP710 LED45 WW MR HY FDIM50 SOLAR       | 30 Ah                  | Mono crystalline | 17 Vmp, 21 Voc V | 60 W                  | 25 W                                | Hybrid                    |
| 919515813987 | BRP710 LED20 NW MR HY SOLAR              | 13.6 Ah                | Poly crystalline | 17 Vmp, 21 Voc V | 28 W                  | 11 W                                | Hybrid                    |
| 919515898031 | BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX | 30 Ah                  | Mono crystalline | 17 V             | 60 W                  | -                                   | Off grid                  |
| 919515898029 | BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX | 30 Ah                  | Mono crystalline | 17 V             | 60 W                  | -                                   | Off grid                  |

## Controls and Dimming

| Order Code   | Full Product Name                        | Configurability      | Solar dimming profile                                                       |
|--------------|------------------------------------------|----------------------|-----------------------------------------------------------------------------|
| 919515813979 | BRP710 LED60 CW MR HY FDIM20 SOLAR       | Factory Configurable | 4hrs 100% + 8 hrs 20%                                                       |
| 919515813986 | BRP710 LED60 NW MR HY FDIM20 SOLAR       | Factory Configurable | 4hrs 100% + 8 hrs 20%                                                       |
| 919515813989 | BRP710 LED45 NW MR HY SOLAR              | Factory Configurable | 100% Dusk to dawn                                                           |
| 919515813992 | BRP710 LED45 WW MR HY FDIM50 SOLAR       | Factory Configurable | 5hrs 100% + 7 hrs 50%                                                       |
| 919515813987 | BRP710 LED20 NW MR HY SOLAR              | Factory Configurable | 100% Dusk to dawn                                                           |
| 919515898031 | BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX | Configurable         | 30% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs) |
| 919515898029 | BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX | Configurable         | 30% Dusk to dawn, 100% on motion. ( Sensor disabled for 5 Hrs, after 5 Hrs) |

## Mechanical and Housing

| Order Code   | Full Product Name                        | Overall length | Overall width | Overall height |
|--------------|------------------------------------------|----------------|---------------|----------------|
| 919515813979 | BRP710 LED60 CW MR HY FDIM20 SOLAR       | 757 mm         | 511 mm        | 188 mm         |
| 919515813986 | BRP710 LED60 NW MR HY FDIM20 SOLAR       | 757 mm         | 511 mm        | 188 mm         |
| 919515813989 | BRP710 LED45 NW MR HY SOLAR              | 757 mm         | 511 mm        | 188 mm         |
| 919515813992 | BRP710 LED45 WW MR HY FDIM50 SOLAR       | 757 mm         | 511 mm        | 188 mm         |
| 919515813987 | BRP710 LED20 NW MR HY SOLAR              | 684 mm         | 369 mm        | 156 mm         |
| 919515898031 | BRP710 LED30 NW 60MO PDIM30 BLE SOLAR EX | 684 mm         | 369 mm        | 156 mm         |
| 919515898029 | BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX | 757 mm         | 511 mm        | 188 mm         |