



## SunStay – All-in-one solar street light

An integrated solar street light with a lithium ferro phosphate battery, solar panel and charger built into the luminaire. Pressure die-cast aluminium for sturdiness and long life. A 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
- Environmentally friendly
- Sturdy construction for long life

### Applications

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

### Features

- High luminous efficacy of 175 lm/Watt to maximise battery performance
- Replaceable Lithium Ferro Phosphate battery for long life and hassle free operations.
- MPPT charge controller for maximum efficiency
- Pressure die-cast aluminium 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 maximisation.
- Self diagnostic feature along with battery charging, discharging & cut-off LED Indicators

Versions

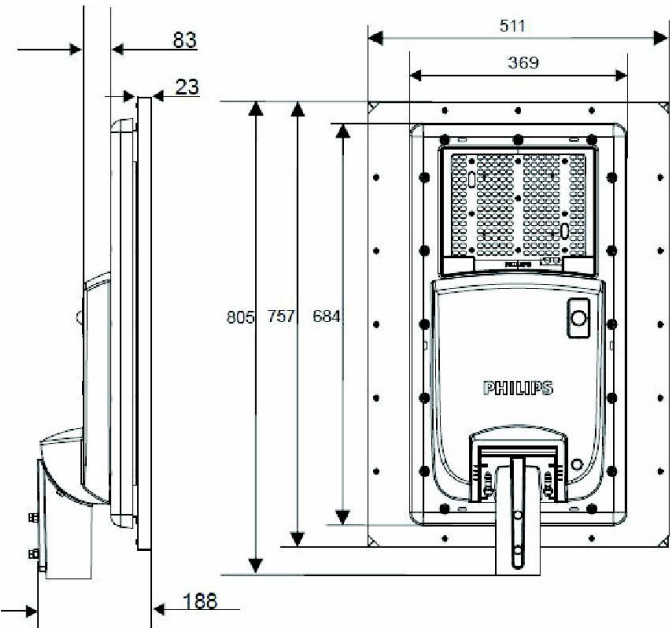


standard shot sunstay



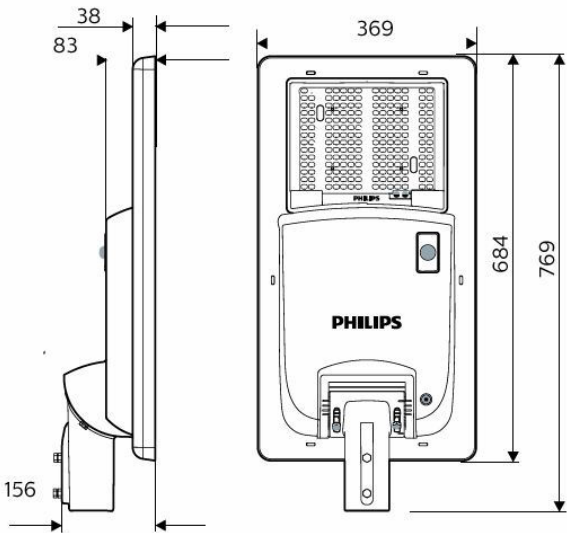
BRP710

Dimensional drawing



BRP710 LED30 WW 60MO PDIM30 BLE Solar

Dimensions



BRP710 LED30 WW 35MO PDIM30 BLE Solar

Light Technical

|                                     |        |
|-------------------------------------|--------|
| Correlated Colour Temperature (Nom) | 3000 K |
| Colour rendering index (CRI)        | >70    |

Operating and Electrical

|                                       |                         |
|---------------------------------------|-------------------------|
| Battery type                          | Lithium Ferro Phosphate |
| Battery voltage                       | 12.8 V                  |
| Battery charging & discharging cycles | 2000                    |
| Panel type                            | Mono crystalline        |
| Panel voltage                         | 17 V                    |
| Charge controller type                | MPPT                    |
| Grid connection type                  | Off grid                |

## Controls and Dimming

|                       |                                                                                |
|-----------------------|--------------------------------------------------------------------------------|
| Dimmable              | Yes                                                                            |
| Configurability       | Configurable                                                                   |
| Solar dimming profile | 30% Dusk to dawn, 100% on motion.<br>( Sensor disabled for 5 Hrs, after 5 Hrs) |

## Mechanical and Housing

|                         |                                              |
|-------------------------|----------------------------------------------|
| Housing Colour          | RAL 7011                                     |
| Overall length          | 684 mm                                       |
| Overall width           | 369 mm                                       |
| Overall height          | 156 mm                                       |
| 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 |

## Operating and Electrical

| Order Code   | Full Product Name                     | Battery ampere hour | Panel peak wattage |
|--------------|---------------------------------------|---------------------|--------------------|
| 919515814301 | BRP710 LED30 WW 35MO PDIM30 BLE Solar | 20 Ah               | 35 W               |
| 919515814304 | BRP710 LED30 WW 60MO PDIM30 BLE Solar | 30 Ah               | 60 W               |