PHILIPS

# BRP710 LED45 CW MR S1 12V LFP Solar

919515813566

## 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.

### General Information

| | |
|---|---|
| Driver included | Yes |
| Value ladder | Specification |

### Light Technical

| | |
|---|---|
| Luminous Flux | 4,500 lm |
| Correlated Color Temperature (Nom) | 5700 K |
| Luminous Efficacy (rated) (Nom) | 175 lm/W |
| Color rendering index (CRI) | >70 |
| Light source color | Cool white |

### Operating and Electrical

| | |
|---|---|
| Battery type | Lithium Ferro Phosphate |
| Battery ampere hour | 30 Ah |
| Battery voltage | 12.8 V |
| Battery charging & discharging cycles | 2000 |
| Panel type | Mono crystalline |
| Panel voltage | 17 Vmp, 21 Voc V |
| Panel peak wattage | 60 W |
| Charge controller type | MPPT |
| Grid connection type | Off grid |

### Controls and Dimming

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

## Mechanical and Housing

| | |
|---|---|
| Housing Material | Aluminium pressure die cast |
| Housing Color | Gray |
| Overall length | 757 mm |
| Overall width | 511 mm |
| Overall height | 188 mm |
| Dimensions (Height x Width x Depth) | 188 x 511 x 757 mm |
| Battery location | Inside Luminaire |
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Optical cover type | UV stabilized Polycarbonate cover |
| Net Weight (Piece) | 19.000 kg |

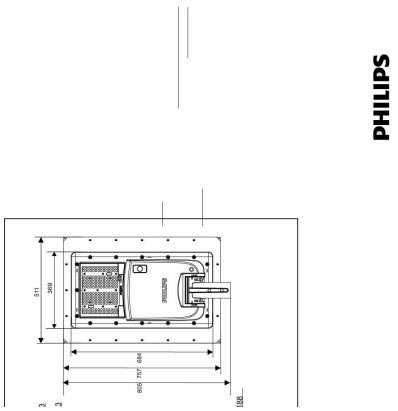
## Approval and Application

| | |
|---|---|
| Ambient temperature range | 0 to +35 °C |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| Median useful life L70B50 | 50,000 hour(s) |

## Dimensional drawing




## 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 |

## Product Data

| | |
|---|---|
| Order product name | BRP710 LED45 CW MR S1 12V LFP Solar |
| Full product name | BRP710 LED45 CW MR S1 12V LFP Solar |
| Full product code | 871016336231100 |
| Order code | 36231100 |
| Material Nr. (12NC) | 919515813566 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8710163362311 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8710163362311 |

## Related Documents

| Documents and certificates | Document Name | Download |
|---|---|---|
| Installation Instructions | 441510925370-110-1-4500-6K-Rev-06.pdf | Download |

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