



SunStay

BRP710 LED45 NW MR S1 12V LFP Solar

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.

Product data

| General Information | |
|---------------------------------------|-----------------------------------|
| Driver included | Yes |
| Light Technical | |
| Luminous Flux | 4,500 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 175 lm/W |
| Color rendering index (CRI) | >70 |
| Light source color | Neutral white |
| Optical cover type | UV stabilized Polycarbonate cover |
| 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 |

| Temperature | |
|---------------------------------------|--|
| Ambient temperature range | 0 to +35 °C |
| Controls and Dimming | |
| Dimmable | Yes |
| Configurability | Factory Configurable |
| 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 |
| Approval and Application | |
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Over Time Performance (IEC Compliant) | |
| Median useful life L70B50 | 50,000 hour(s) |

Application Conditions

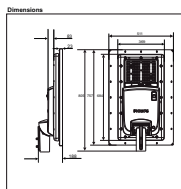
| | |
|---|--|
| Ambient temperature range for charging | 0 °C to +45 °C |
| Ambient temperature range for discharging (when light is on) | -20 °C to +35 °C |
| Solar dimming profile | 30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs) |
| Grid connection type | Off grid |
| Battery location | Inside Luminaire |

Product Data

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|--------------------|-------------------------------------|
| Order product name | BRP710 LED45 NW MR S1 12V LFP Solar |
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|---------------------------------|-------------------------------------|
| Full product name | BRP710 LED45 NW MR S1 12V LFP Solar |
| Full product code | 871016336234200 |
| Order code | 919515813569 |
| Material Nr. (12NC) | 919515813569 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 190096184293 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8710163362342 |

Dimensional drawing

**PHILIPS**