



SmartBright Solar All-in-one Streetlight

BRP010 LED60/757 Solar AIO

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and controller built into the luminaire. Independently tilt-able LED source and pole mounting bracket allows light beam to focus on road, and solar panel towards the sun. Microwave based motion sensor for optimizing battery autonomy.

Warnings and Safety

- The product must be installed in a sunny place that is not shaded by trees, buildings, wall, etc. so that the solar panel can receive the maximum sunlight for charging the battery inside the luminaire.

Product data

| General Information | | Charge controller type | |
|------------------------------------|------------------|--|----------------------|
| Driver included | Yes | Charge controller wattage | MPPT |
| Warranty period | 3 years | Cable | 35 W |
| Light Technical | | Grid connection type | - |
| Luminous Flux | 6,000 lm | Control interface | Off grid |
| Correlated Color Temperature (Nom) | 5700 K | Controls and Dimming | |
| Color rendering index (CRI) | 70 | Dimmable | Preset Dimming |
| Operating and Electrical | | Configurability | Factory Configurable |
| Line Frequency | - Hz | Solar dimming profile | - |
| Battery type | LiFePO4 | 1. Dusk to 2hours: 100% on motion, 20% with no motion. 2. Next 3hours: 50% on motion, 10% when no motion. 3. Next 7hours: 30% on motion, 10% when no motion. | |
| Battery ampere hour | 75 Ah | Mechanical and Housing | |
| Battery voltage | 3.2 V | Housing Color | Grey |
| Panel type | Mono crystalline | Overall length | 797 mm |
| Panel voltage | 18 V | | |
| Panel peak wattage | 50 W | | |

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|-------------------------------------|--|
| Overall width | 430 mm |
| Overall height | 235 mm |
| Dimensions (Height x Width x Depth) | 235 x 430 x 797 mm |
| Material | Metal |
| Battery location | inbuilt |
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Optical cover type | Polycarbonate |
| Net Weight (Piece) | 14.790 kg |

Approval and Application

| | |
|---------------------------|---------------|
| EU RoHS compliant | Yes |
| Ambient temperature range | -10 to +50 °C |

Over Time Performance (IEC Compliant)

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

Product Data

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|---------------------------------|----------------------------|
| Order product name | BRP010 LED60/757 Solar AIO |
| Full product name | BRP010 LED60/757 Solar AIO |
| Full product code | 872110330882500 |
| Order code | 911401659009 |
| Material Nr. (12NC) | 911401659009 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8721103308825 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8721103308825 |

Dimensional drawing

