



# SmartBright Solar All-in-one Streetlight

## BRP010 LED120/757 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                                                                                                                                                      | 70 W                 |
| Light Technical                    |                  | Grid connection type                                                                                                                                       | -                    |
| Luminous Flux                      | 12,000 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                | 45 Ah            | Mechanical and Housing                                                                                                                                     |                      |
| Battery voltage                    | 12.8 V           | Housing Color                                                                                                                                              | Grey                 |
| Panel type                         | Mono crystalline | Overall length                                                                                                                                             | 1,157 mm             |
| Panel voltage                      | 18 V             |                                                                                                                                                            |                      |
| Panel peak wattage                 | 100 W            |                                                                                                                                                            |                      |

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|                                     |                                              |
|-------------------------------------|----------------------------------------------|
| Overall width                       | 481 mm                                       |
| Overall height                      | 235 mm                                       |
| Dimensions (Height x Width x Depth) | 235 x 481 x 1157 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)                  | 22.490 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

|                                 |                             |
|---------------------------------|-----------------------------|
| Order product name              | BRP010 LED120/757 Solar AIO |
| Full product name               | BRP010 LED120/757 Solar AIO |
| Full product code               | 872110330884900             |
| Order code                      | 911401659209                |
| Material Nr. (12NC)             | 911401659209                |
| Numerator - Quantity Per Pack   | 1                           |
| EAN/UPC - Product/Case          | 8721103308849               |
| Numerator - Packs per outer box | 1                           |
| EAN/UPC - Case                  | 8721103308849               |

## Dimensional drawing

