



# 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 asunny 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                |                  |
| Driver included                    | Yes              |
| Warranty period                    | 3 years          |
| Light Technical                    |                  |
| Luminous Flux                      | 6,000 lm         |
| Correlated Color Temperature (Nom) | 5700 K           |
| Color rendering index (CRI)        | 70               |
| Operating and Electrical           |                  |
| Line Frequency                     | - Hz             |
| Battery type                       | LiFePO4          |
| Battery ampere hour                | 75 Ah            |
| Battery voltage                    | 3.2 V            |
| Panel type                         | Mono crystalline |
| Panel voltage                      | 18 V             |
| Panel peak wattage                 | 50 W             |

|                           |                                                                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Charge controller type    | MPPT                                                                                                                                                       |
| Charge controller wattage | 35 W                                                                                                                                                       |
| Cable                     | -                                                                                                                                                          |
| Grid connection type      | Off grid                                                                                                                                                   |
| Controls and Dimming      |                                                                                                                                                            |
| Dimmable                  | Preset Dimming                                                                                                                                             |
| Configurability           | Factory Configurable                                                                                                                                       |
| Control interface         | -                                                                                                                                                          |
| Solar dimming profile     | 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. |
| Mechanical and Housing    |                                                                                                                                                            |
| Housing Color             | Grey                                                                                                                                                       |
| Overall length            | 797 mm                                                                                                                                                     |

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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                    |                            |
| 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

