



# SmartBright All-inone Solar Street Light

## BRP110 LED120/757

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger 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.

#### **Product data**

| General Information                   |                         |
|---------------------------------------|-------------------------|
| Driver included                       | Yes                     |
| Warranty period                       | 2 years                 |
|                                       |                         |
| Light Technical                       |                         |
| Luminous Flux                         | 12,000 lm               |
| Correlated Color Temperature (Nom)    | 5700 K                  |
| Color rendering index (CRI)           | >70                     |
| Optical cover type                    | Polycarbonate           |
|                                       |                         |
| Operating and Electrical              |                         |
| Battery type                          | Lithium Ferro Phosphate |
| Battery ampere hour                   | 30 Ah                   |
| Battery voltage                       | 25.6 V                  |
| Battery charging & discharging cycles | 2000                    |
| Panel type                            | Mono crystalline        |
| Panel voltage                         | 36 V                    |
| Panel peak wattage                    | 120 W                   |
| Charge controller type                | MPPT                    |
| ·                                     |                         |

| Charge controller wattage           | 80 W   |
|-------------------------------------|--|
|                                     |  |
| Temperature                         |  |
| Ambient temperature range           | -20 to +50 °C                                |
|                                     |  |
| Controls and Dimming                |  |
| Dimmable                            | Yes  |
| Configurability                     | Configurable                                 |
| Control interface                   | IR remote                                    |
|                                     |  |
| Mechanical and Housing              |  |
| Overall length                      | 1,321 mm                                     |
| Overall width                       | 525 mm                                       |
| Overall height                      | 161 mm                                       |
| Dimensions (Height x Width x Depth) | 161 x 525 x 1321 mm                          |
| Material                            | Aluminum                                     |
|                                     |  |
| Approval and Application            |  |
| Ingress protection code             | IP65 [Dust penetration-protected, jet-proof] |
|                                     |  |

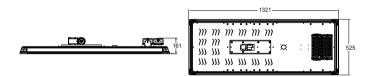
Datasheet, 2023, April 30 data subject to change

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| Mech. impact protection code           | IK08 [5 J vandal-protected]                  |
|--|--|
|  |  |
| Application Conditions                 |  |
| Ambient temperature range for charging | 0 °C to +45 °C                               |
| Ambient temperature range for          | -20 °C to +50 °C                             |
| discharging (when light is on)         |  |
| Autonomy                               | up to 24 hour(s)                             |
| Solar dimming profile                  | First 2 Hrs - On motion : 100%, without      |
|  | motion :30%; Next 3 Hrs - On motion : 60%,   |
|  | without motion :20%; Next 6 Hrs On motion :  |
|  | 30%, without motion :10%; Rest of the Night: |
|  | On motion : 50%, without motion :30%         |
| Grid connection type                   | Off grid                                     |
| Battery location                       | Inside Luminaire                             |

| Product Data                    |                   |
|---------------------------------|-------------------|
| Order product name              | BRP110 LED120/757 |
| Full product name               | BRP110 LED120/757 |
| Full product code               | 871951450823100   |
| Order code                      | 911401863881      |
| Material Nr. (12NC)             | 911401863881      |
| Numerator - Quantity Per Pack   | 1                 |
| EAN/UPC - Product/Case          | 8719514508231     |
| Numerator - Packs per outer box | 1                 |
| EAN/UPC - Case                  | 8719514508231     |

### Dimensional drawing





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