



SmartBright All-inone Solar Street Light

BRP110 LED85/757

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 |
| Optical cover/lens type | Polycarbonate |
| Control interface | IR remote |
| Warranty period | 2 years |
| Material | Aluminum |
| | |
| Operating and Electrical | |
| Battery type | Lithium Ferro Phosphate |
| Battery ampere hour | 42 Ah |
| Battery voltage | 12.8 V |
| Battery charging & discharging cycles | 2000 |
| Panel type | Mono crystalline |
| Panel voltage | 18 V |
| Panel peak wattage | 90 W |
| Charge controller type | MPPT |
| Charge controller wattage | 60 W |
| | |
| Controls and Dimming | |
| Dimmable | Yes |
| | |

| Configurability | Configurable |
|--|---|
| | |
| Mechanical and Housing | |
| Overall length | 1485 mm |
| Overall width | 380 mm |
| Overall height | 95 mm |
| | |
| Approval and Application | |
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| | |
| Initial Performance (IEC Compliant) | |
| Initial luminous flux (system flux) | 8500 lm |
| Init. Corr. Color Temperature | 5700 K |
| Init. Color Rendering Index | >70 |
| | |
| Application Conditions | |
| Ambient temperature range | -20 to +50 °C |
| Ambient temperature range for charging | 0 to +45 °C |
| Ambient temperature range for | -20 to +50 °C |
| discharging (when light is on) | |

Datasheet, 2020, September 7 data subject to change

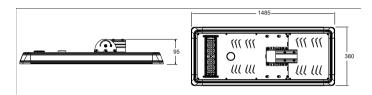
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| Autonomy | up to 24 h |
|-----------------------|--|
| Solar dimming profile | First 2 Hrs - On motion : 100%, without |
| | motion:30%Next 3 Hrs - On motion:60%, |
| | without motion :20%Next 6 Hrs On motion : |
| | 30%, without motion :10%Rest of the Night: |
| | On motion : 50%, without motion :30% |
| Grid connection type | Off grid |
| Battery location | Inside Luminaire |
| | |
| Product Data | |
| Full product code | 871951450822400 |

| Order product name | BRP110 LED85/757 |
|---------------------------------|------------------|
| EAN/UPC - Product | 8719514508224 |
| Order code | 911401863781 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 911401863781 |
| Net Weight (Piece) | 19.650 kg |
| • | |



Dimensional drawing



Solar Street Lights



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