



SmartBright All-in-one Solar Street Light

BRP110 LED120/757 G2 Pro

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 | | Configurability | |
|---------------------------------------|-------------------------|--|---|
| Driver included | Yes | | Configurable |
| Optical cover/lens type | Polycarbonate | Mechanical and housing | |
| Control interface | IR remote | Overall length | 1142 mm |
| Warranty period | 5 years | Overall width | 363 mm |
| Material | Aluminum | Overall height | 85 mm |
| Operating and electrical | | Approval and application | |
| Battery type | Lithium Ferro Phosphate | Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Battery ampere hour | 72 Ah | Mech. impact protection code | IK08 [5 J vandal-protected] |
| Battery voltage | 6.4 V | Initial performance (IEC compliant) | |
| Battery charging & discharging cycles | 2000 | Initial luminous flux (system flux) | 12000 lm |
| Panel type | Mono crystalline | Init. Corr. Color Temperature | 5700 K |
| Panel voltage | 13 V | Init. Color Rendering Index | >70 |
| Panel peak wattage | 80 W | Application conditions | |
| Charge controller type | MPPT | Ambient temperature range | 0 to +50 °C |
| Charge controller wattage | 65 W | Ambient temperature range for charging | 0 to +50 °C |
| Controls and dimming | | Ambient temperature range for discharging (when light is on) | -10 to +60 °C |
| Dimmable | Yes | | |

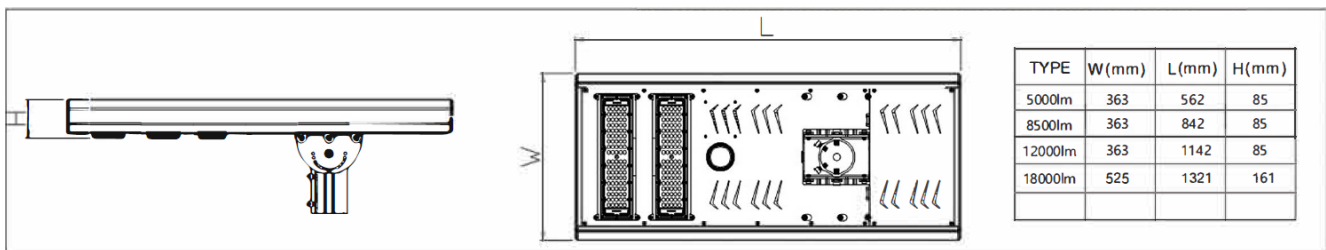
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|------------------------------|---|
| Autonomy | up to 24 h |
| Solar dimming profile | First 2 Hrs - On motion : 100%, without motion :30% ; Next 3 Hrs - On motion : 60%, without motion :20% ; Next 6 Hrs On motion : 30%, without motion :10% ; Rest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

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|--|--------------------------|
| Order product name | BRP110 LED120/757 G2 Pro |
| Order code | TBD |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | TBD |



Dimensional drawing



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