



SmartBright All-in-one 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
Warranty period	2 years
Light Technical	
Luminous Flux	8,500 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	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
Temperature	
Ambient temperature range	-20 to +50 °C
Controls and Dimming	
Dimmable	Yes
Configurability	Configurable
Control interface	IR remote
Mechanical and Housing	
Overall length	1,485 mm
Overall width	380 mm
Overall height	95 mm
Dimensions (Height x Width x Depth)	95 x 380 x 1485 mm
Material	Aluminum
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]

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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 discharging (when light is on)	-20 °C to +50 °C
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 LED85/757
Full product name	BRP110 LED85/757
Full product code	871951450822400
Order code	911401863781
Material Nr. (12NC)	911401863781
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514508224
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514508224

Dimensional drawing

