



SmartBright All-in-one 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		Charge controller wattage	
Driver included	Yes		80 W
Warranty period	2 years	Temperature	
Light Technical		Ambient temperature range	-20 to +50 °C
Luminous Flux	12,000 lm	Controls and Dimming	
Correlated Color Temperature (Nom)	5700 K	Dimmable	Yes
Color rendering index (CRI)	>70	Configurability	Configurable
Optical cover type	Polycarbonate	Control interface	IR remote
Operating and Electrical		Mechanical and Housing	
Battery type	Lithium Ferro Phosphate	Overall length	1,321 mm
Battery ampere hour	30 Ah	Overall width	525 mm
Battery voltage	25.6 V	Overall height	161 mm
Battery charging & discharging cycles	2000	Dimensions (Height x Width x Depth)	161 x 525 x 1321 mm
Panel type	Mono crystalline	Material	Aluminum
Panel voltage	36 V	Approval and Application	
Panel peak wattage	120 W	Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Charge controller type	MPPT		

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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 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

