



SmartBright All-in-one Solar Street Light

BRP110 LED120/757 G2

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		Cable	
Driver included	Yes	Cable	-
EU RoHS compliant	Yes	Temperature	
Light Technical		Ambient temperature range	0 to +50 °C
Luminous Flux	12,000 lumen	Controls and Dimming	
Correlated Color Temperature (Nom)	5700 K	Dimmable	Yes
Luminous Efficacy (rated) (Nom)	185 lm/W	Configurability	Configurable
Color rendering index (CRI)	>70	Control interface	IR remote
Optical cover/lens type	Polycarbonate	Mechanical and Housing	
Operating and Electrical		Housing Color	RAL7040
Battery type	Lithium Ferro Phosphate	Overall length	1,142 mm
Battery ampere hour	72 Ah	Overall width	363 mm
Battery voltage	6.4 V	Overall height	85 mm
Battery charging & discharging cycles	2000	Dimensions (Height x Width x Depth)	85 x 363 x 1142 mm
Panel type	Mono crystalline	Material	Aluminum
Panel voltage	13 V	Approval and Application	
Panel peak wattage	80 W	Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Charge controller type	MPPT		

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Mech. impact protection code	IK08 [6 J]
Over Time Performance (IEC Compliant)	
Median useful life L70B50	50,000 hour(s)
Application Conditions	
Ambient temperature range for charging	0 to +50 °C °C
Ambient temperature range for discharging (when light is on)	-10 to +600C °C
Autonomy	2 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	Inbuilt
Product Data	
Full product code	692382865729100
Order product name	BRP110 LED120/757 G2
Order code	911401834102
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401834102
Full product name	BRP110 LED120/757 G2
EAN/UPC - Case	6923828657291
EAN/UPC - Product/Case	6923828657291

Dimensional drawing

