



SmartBright All-in-one Solar Street Light

BRP110 LED85/757 G2

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and controller 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		Grid connection type	
Driver included	Yes		Off grid
Value ladder	Value		
Light Technical		Controls and Dimming	
Luminous Flux	8,500 lm	Dimmable	Yes
Correlated Color Temperature (Nom)	5700 K	Configurability	Configurable
Luminous Efficacy (rated) (Nom)	202 lm/W	Control interface	IR remote
Color rendering index (CRI)	>70	Autonomy	- hour(s)
Operating and Electrical		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%
Battery type	LiFePO4	Mechanical and Housing	
Battery ampere hour	54 Ah	Housing Color	RAL7040
Battery voltage	6.4 V	Overall length	842 mm
Battery charging & discharging cycles	2000	Overall width	363 mm
Panel type	Mono crystalline	Overall height	85 mm
Panel voltage	14 V	Dimensions (Height x Width x Depth)	85 x 363 x 842 mm
Panel peak wattage	55 W	Material	Aluminum
Charge controller type	MPPT	Battery location	Inbuilt
Cable	-		

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Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [6 J]
Optical cover type	Polycarbonate
Net Weight (Piece)	12.100 kg

Approval and Application

EU RoHS compliant	Yes
Ambient temperature range	0 to +50 °C

Over Time Performance (IEC Compliant)

Median useful life L70B50	50,000 hour(s)
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Application Conditions

Ambient temperature range for charging	0 °C to 50 °C
Ambient temperature range for discharging (when light is on)	-10 °C to 60 °C

Product Data

Order product name	BRP110 LED85/757 G2
Full product name	BRP110 LED85/757 G2
Full product code	692382865728400
Order code	911401834002
Material Nr. (12NC)	911401834002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	6923828657284
Numerator - Packs per outer box	1
EAN/UPC - Case	6923828657284

Dimensional drawing

