



SmartBright All-in-one Solar Street Light

BRP110 LED50/757 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	
Driver included	Yes
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	5,000 lumen
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	185 lm/W
Color rendering index (CRI)	>70
Optical cover/lens type	Polycarbonate
Operating and Electrical	
Battery type	Lithium Ferro Phosphate
Battery ampere hour	60 Ah
Battery voltage	3.2 V
Battery charging & discharging cycles	2000
Panel type	Mono crystalline
Panel voltage	12 V
Panel peak wattage	35 W
Charge controller type	MPPT
Cable	-
Temperature	
Ambient temperature range	0 to +50 °C
Controls and Dimming	
Dimmable	Yes
Configurability	Configurable
Control interface	IR remote
Mechanical and Housing	
Housing Color	RAL7040
Overall length	562 mm
Overall width	363 mm
Overall height	85 mm
Dimensions (Height x Width x Depth)	85 x 363 x 562 mm
Material	Aluminum
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]

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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	692382865727700
Order product name	BRP110 LED50/757 G2
Order code	911401833902
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401833902
Full product name	BRP110 LED50/757 G2
EAN/UPC - Case	6923828657277
EAN/UPC - Product/Case	6923828657277

Dimensional drawing

