



SmartBright All-in-one Solar Street Light

BRP110 LED50/757

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		Configurability	
Driver included	Yes		Configurable
Optical cover/lens type	Polycarbonate	Mechanical and housing	
Control interface	IR remote	Overall length	935 mm
Warranty period	2 years	Overall width	380 mm
Material	Aluminum	Overall height	95 mm
Operating and electrical		Approval and application	
Battery type	Lithium Ferro Phosphate	Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Battery ampere hour	24 Ah	Mech. impact protection code	IK08 [5 J vandal-protected]
Battery voltage	12.8 V	Initial performance (IEC compliant)	
Battery charging & discharging cycles	2000	Initial luminous flux (system flux)	5000 lm
Panel type	Mono crystalline	Init. Corr. Color Temperature	5700 K
Panel voltage	18 V	Init. Color Rendering Index	>70
Panel peak wattage	50 W	Application conditions	
Charge controller type	MPPT	Ambient temperature range	-20 to +50 °C
Charge controller wattage	35 W	Ambient temperature range for charging	0 °C to +45 °C
Controls and dimming		Ambient temperature range for discharging (when light is on)	-20 °C to +50 °C
Dimmable	Yes		

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Autonomy	up to 24 h
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

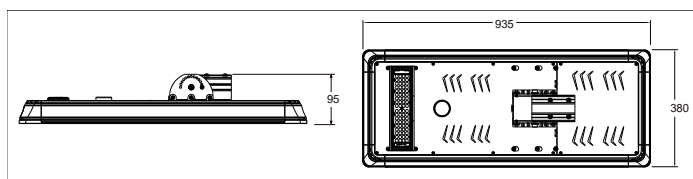
Product data

Full product code	871951450821700
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Order product name	BRP110 LED50/757
EAN/UPC - Product	8719514508217
Order code	911401863681
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401863681
Net Weight (Piece)	12.450 kg



Dimensional drawing



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