



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	
Driver included	Yes
Optical cover/lens type	Polycarbonate
Control interface	IR remote
Warranty period	2 years
Material	Aluminum

Operating and Electrical	
Battery type	Lithium Ferro Phosphate
Battery ampere hour	24 Ah
Battery voltage	12.8 V
Battery charging & discharging cycles	2000
Panel type	Mono crystalline
Panel voltage	18 V
Panel peak wattage	50 W
Charge controller type	MPPT
Charge controller wattage	35 W

Controls and Dimming	
Dimmable	Yes

Configurability	Configurable
Mechanical and Housing	
Overall length	935 mm
Overall width	380 mm
Overall height	95 mm

Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]

Initial Performance (IEC Compliant)	
Initial luminous flux (system flux)	5000 lm
Init. Corr. Color Temperature	5700 K
Init. Color Rendering Index	>70

Application Conditions	
Ambient temperature range	-20 to +50 °C
Ambient temperature range for charging	0 to +45 °C
Ambient temperature range for discharging (when light is on)	-20 to +50 °C

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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

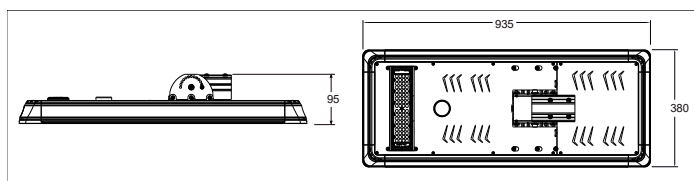
Product Data

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



Solar Street Lights

