



# SmartBright All-inone 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	-20 to +50 °C
discharging (when light is on)	

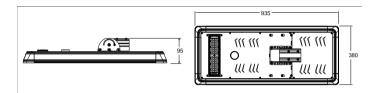
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Autonomy	up to 24 h
Solar dimming profile	First 2 Hrs - On motion : 100%, without
	motion :30%Next 3 Hrs - On motion : 60%,
	without motion :20%Next 6 Hrs On motion :
	30%, without motion :10%Rest of the Night:
	On motion : 50%, without motion :30%
Grid connection type	Off grid
Battery location	Inside Luminaire
Product Data	
Full product code	871951450821700

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

IP 65 K 08

#### **Dimensional drawing**



Solar Street Lights



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