



# 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
Warranty period	2 years
Light Technical	
Luminous Flux	5,000 lm
Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	>70
Optical cover type	Polycarbonate
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
Temperature	
Ambient temperature range	-20 to +50 °C
Controls and Dimming	
Dimmable	Yes
Configurability	Configurable
Control interface	IR remote
Mechanical and Housing	
Overall length	935 mm
Overall width	380 mm
Overall height	95 mm
Dimensions (Height x Width x Depth)	95 x 380 x 935 mm
Material	Aluminum
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]

Datasheet, 2023, April 15 data subject to change

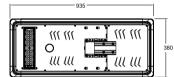
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Mech. impact protection code	IK08 [5 J vandal-protected]
Application Conditions	
Application Conditions	
Ambient temperature range for charging	0 °C to +45 °C
Ambient temperature range for	-20 °C to +50 °C
discharging (when light is on)	
Autonomy	up to 24 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	Inside Luminaire

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

### Dimensional drawing







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