



SmartBright All-in-one Solar Street Light

BRP110 LED85/757 G2 Pro

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	842 mm
Warranty period	5 years	Overall width	363 mm
Material	Aluminum	Overall height	85 mm
Operating and electrical		Approval and application	
Battery type	Lithium Ferro Phosphate	Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Battery ampere hour	54 Ah	Mech. impact protection code	IK08 [5 J vandal-protected]
Battery voltage	6.4 V	Initial performance (IEC compliant)	
Battery charging & discharging cycles	2000	Initial luminous flux (system flux)	8500 lm
Panel type	Mono crystalline	Init. Corr. Color Temperature	5700 K
Panel voltage	14 V	Init. Color Rendering Index	>70
Panel peak wattage	55 W	Application conditions	
Charge controller type	MPPT	Ambient temperature range	0 to +50 °C
Charge controller wattage	42 W	Ambient temperature range for charging	0 to +50 °C
Controls and dimming		Ambient temperature range for discharging (when light is on)	-10 to +60 °C
Dimmable	Yes		

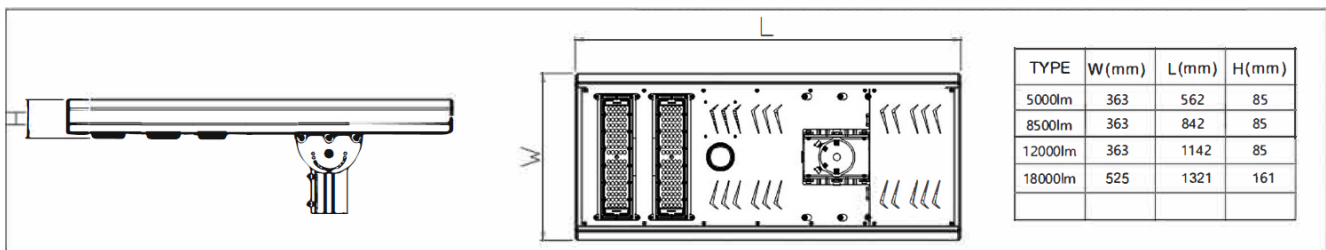
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Autonomy	up to 24 h
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30% ; Next 3 Hrs - On motion : 60%, without motion :20% ; Next 6 Hrs On motion : 30%, without motion :10% ; Rest of the Night: On motion : 50%, without motion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

Order product name	BRP110 LED85/757 G2 Pro
Order code	TBD
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	TBD



Dimensional drawing



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