



SmartBright All-inone 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	
Driver included	Yes
Optical cover/lens type	Polycarbonate
Control interface	IR remote
Warranty period	5 years
Material	Aluminum
Operating and electrical	
Battery type	Lithium Ferro Phosphate
Battery ampere hour	54 Ah
Battery voltage	6.4 V
Battery charging & discharging cycles	2000
Panel type	Mono crystalline
Panel voltage	14 V
Panel peak wattage	55 W
Charge controller type	MPPT
Charge controller wattage	42 W
Controls and dimming	
Dimmable	Yes

Configurability	Configurable	
Mechanical and housing		
Overall length	842 mm	
Overall width	363 mm	
Overall height	85 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)	8500 lm	
Init. Corr. Color Temperature	5700 K	
Init. Color Rendering Index	>70	
Application conditions		
Ambient temperature range	0 to +50 °C	
Ambient temperature range for charging	0 to +50°C	
Ambient temperature range for	-10 to +60 °C	
discharging (when light is on)		

Datasheet, 2022, July 1 data subject to change

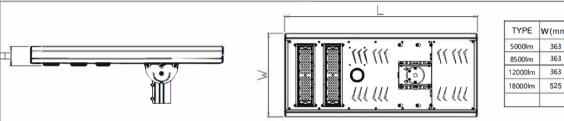
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Autonomy	up to 24 h
Solar dimming profile	First 2 Hrs - On motion : 100%, without
	motion:30%; Next 3 Hrs - On motion:60%,
	without motion :20%; Next 6 Hrs On motion:
	30%, without motion :10%; Rest of the Night:
	On motion : 50%, without motion :30%
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



TYPE	W(mm)	L(mm)	H(mm)
5000lm	363	562	85
8500lm	363	842	85
12000lm	363	1142	85
18000lm	525	1321	161

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