



# SmartBright All-inone Solar Street Light

## BRP110 LED85/757 G2

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	3 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]
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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

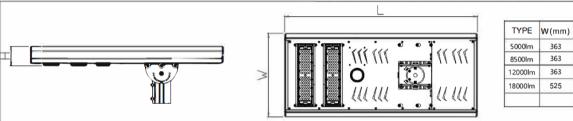
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Autonomy	up to 24 h
Solar dimming profile	First 2 Hrs - On motion : 100%, without
	motion:30%; Next 3 Hrs - On motion:60%,
	without motion :20%; Next 6 Hrs On motion:
	30%, without motion :10%; Rest of the Night:
	On motion : 50%, without motion :30%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

Order product name	BRP110 LED85/757 G2
Order code	911401834002
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401834002



#### 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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