



# SmartBright All-in-one Solar Street Light

## BRP110 LED120/757 G2

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire. The independently tilt-able LED source and pole-mounting bracket allow the light beam to focus on the road, and the solar panel to face the sun. Microwave-based motion sensor for optimising 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	1142 mm
Cable	-	Overall width	363 mm
Material	Aluminum	Overall height	85 mm
EU RoHS compliant	Yes	Colour	RAL7040
Operating and electrical		Approval and application	
Battery type	Lithium Ferro Phosphate	Ingress protection code	IP65 [ Dust penetration-protected, jet-proof]
Battery ampere hour	72 Ah	Mech. impact protection code	IK08 [ 6 J]
Battery voltage	6.4 V	Initial performance (IEC compliant)	
Battery charging & discharging cycles	2000	Initial luminous flux (system flux)	12000 lm
Panel type	Mono crystalline	Initial LED luminaire efficacy	185 lm/W
Panel voltage	13 V	Lamp colour temperature	5700 K
Panel peak wattage	80 W	Colour Rendering Index	>70
Charge controller type	MPPT		
Controls and dimming			
Dimmable	Yes		

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## Over time performance (IEC compliant)

Median useful life L70B50	50000 h
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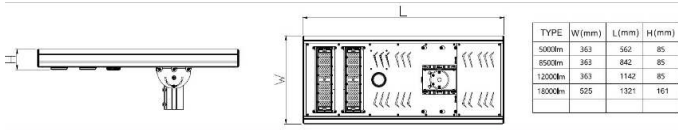
## Application conditions

Ambient temperature range	0 to +50 °C
Ambient temperature range for charging	0 to +50 °C
Ambient temperature range for discharging (when light is on)	-10 to +60°C
Autonomy	2 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	Inbuilt
<b>Product data</b>	
Full product code	692382865729100
Order product name	BRP110 LED120/757 G2
EAN/UPC – product	6923828657291
Order code	911401834102
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	911401834102
Net Weight (Piece)	27.990 kg

IP65

## Dimensional drawing



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