



SmartBright All-in-one Solar Street Light

BRP110 LED85/757

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	
Driver included	Yes
Optical cover/lens type	Polycarbonate
Control interface	IR remote
Warranty period	2 years
Material	Aluminum
Operating and Electrical	
Battery type	Lithium Ferro Phosphate
Battery ampere hour	42 Ah
Battery voltage	12.8 V
Battery charging & discharging cycles	2000
Panel type	Mono crystalline
Panel voltage	18 V
Panel peak wattage	90 W
Charge controller type	MPPT
Charge controller wattage	60 W
Controls and Dimming	
Dimmable	Yes

Configurability	Configurable
Mechanical and Housing	
Overall length	1485 mm
Overall width	380 mm
Overall height	95 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
Lamp colour temperature	5700 K
Colour Rendering Index	>70
Application Conditions	
Ambient temperature range	-20 to +50 °C
Ambient temperature range for charging	0 to +45 °C
Ambient temperature range for discharging (when light is on)	-20 to +50 °C

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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

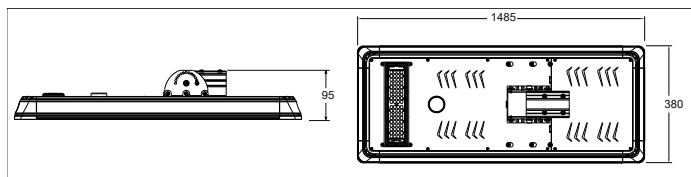
Product Data

Full product code	871951450822400
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Order product name	BRP110 LED85/757
EAN/UPC – product	8719514508224
Order code	911401863781
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	911401863781
SAP net weight (piece)	19.650 kg



Dimensional drawing



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