



# SmartBright All-in-one Solar Street Light

## BRP110 LED120/757

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		Configurability	
Driver included	Yes		Configurable
Optical cover/lens type	Polycarbonate	Mechanical and Housing	
Control interface	IR remote	Overall length	1321 mm
Warranty period	2 years	Overall width	525 mm
Material	Aluminum	Overall height	161 mm
Operating and Electrical		Approval and Application	
Battery type	Lithium Ferro Phosphate	Ingress protection code	IP65 [ Dust penetration-protected, jet-proof]
Battery ampere hour	30 Ah	Mech. impact protection code	IK08 [ 5 J vandal-protected]
Battery voltage	25.6 V	Initial Performance (IEC Compliant)	
Battery charging & discharging cycles	2000	Initial luminous flux (system flux)	12000 lm
Panel type	Mono crystalline	Lamp colour temperature	5700 K
Panel voltage	36 V	Colour Rendering Index	>70
Panel peak wattage	120 W	Application Conditions	
Charge controller type	MPPT	Ambient temperature range	-20 to +50 °C
Charge controller wattage	80 W	Ambient temperature range for charging	0 to +45 °C
Controls and Dimming		Ambient temperature range for discharging (when light is on)	-20 to +50 °C
Dimmable	Yes		

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<b>Autonomy</b>	up to 24 h
<b>Solar dimming profile</b>	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%
<b>Grid connection type</b>	Off grid
<b>Battery location</b>	Inside Luminaire

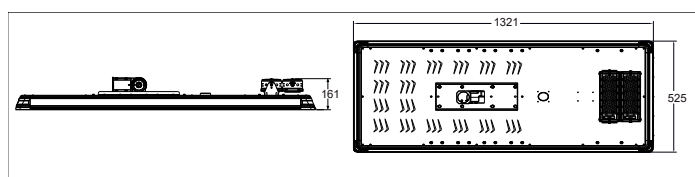
## Product Data

<b>Full product code</b>	871951450823100
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<b>Order product name</b>	BRP110 LED120/757
<b>EAN/UPC – product</b>	8719514508231
<b>Order code</b>	911401863881
<b>SAP numerator – quantity per pack</b>	1
<b>Numerator – packs per outer box</b>	1
<b>SAP material</b>	911401863881
<b>SAP net weight (piece)</b>	28.300 kg



## Dimensional drawing



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