



# 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. 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	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
Init. Corr. Color Temperature	5700 K
Init. Color 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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<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

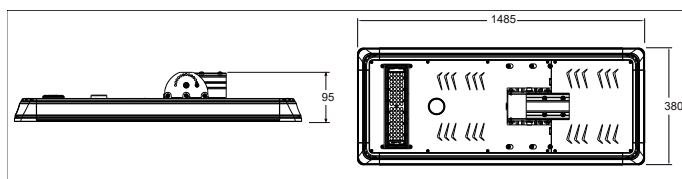
### Product Data

<b>Full product code</b>	871951450822400
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<b>Order product name</b>	BRP110 LED85/757
<b>EAN/UPC - Product</b>	8719514508224
<b>Order code</b>	911401863781
<b>Numerator - Quantity Per Pack</b>	1
<b>Numerator - Packs per outer box</b>	1
<b>Material Nr. (12NC)</b>	911401863781
<b>Net Weight (Piece)</b>	19.650 kg



### Dimensional drawing



### Solar Street Lights

