



# SmartBright All-in-one Solar Street Light

## BRP110 LED180/757 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

  

Light Technical	
Luminous Flux	18,000 lm
Luminous Efficacy (rated) (Nom)	195 lm/W
Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	>70
Optical cover type	Polycarbonate

  

Operating and Electrical	
Battery type	Lithium Ferro Phosphate
Battery ampere hour	30 Ah
Battery voltage	25.6 V
Battery charging & discharging cycles	2000
Panel type	Mono crystalline
Panel voltage	34.5 V
Panel peak wattage	125 W
Charge controller type	MPPT

  

Cable	-
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Temperature	
Ambient temperature range	0 to +50 °C

  

Controls and Dimming	
Configurability	Configurable
Dimmable	Yes
Control interface	IR remote

  

Mechanical and Housing	
Housing Color	RAL7040
Overall length	1,320 mm
Overall width	525 mm
Overall height	161 mm
Dimensions (Height x Width x Depth)	161 x 525 x 1320 mm
Material	Aluminum

  

Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]

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<b>Mech. impact protection code</b>	IK08 [6 J]
<b>EU RoHS compliant</b>	Yes
<b>Over Time Performance (IEC Compliant)</b>	
<b>Median useful life L70B50</b>	50,000 hour(s)
<b>Application Conditions</b>	
<b>Autonomy</b>	2 hour(s)
<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>	Inbuilt

## Product Data

<b>Order product name</b>	BRP110 LED180/757 G2
<b>Full product name</b>	BRP110 LED180/757 G2
<b>Full product code</b>	692382865730700
<b>Order code</b>	911401834202
<b>Material Nr. (12NC)</b>	911401834202
<b>Numerator - Quantity Per Pack</b>	1
<b>Net Weight (Piece)</b>	28.100 kg
<b>EAN/UPC - Product/Case</b>	6923828657307
<b>Numerator - Packs per outer box</b>	1
<b>EAN/UPC - Case</b>	6923828657307

## Dimensional drawing

