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
Optical cover/lens type	Polycarbonate
Control interface	IR remote
Cable	–
Material	Aluminum
EU RoHS compliant	Yes

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

Controls and dimming

Dimmable	Yes

Configurability	Configurable

Mechanical and housing

Overall length	1320 mm
Overall width	525 mm
Overall height	161 mm
Color	RAL7040

Approval and application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [6 J]

Initial performance (IEC compliant)

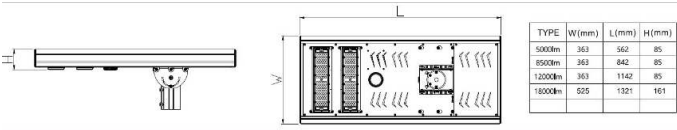|	
Initial luminous flux (system flux)	18000 lm
Initial LED luminaire efficacy	195 lm/W
Init. Corr. Color Temperature	5700 K
Init. Color Rendering Index	>70

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Over time performance (IEC compliant)

Median useful life L70B50	50000 h

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 +600C
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

Product data

Full product code	692382865730700
Order product name	BRP110 LED180/757 G2
EAN/UPC – Product	6923828657307
Order code	911401834202
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	911401834202
Net Weight (Piece)	30.990 kg

IP 65

Dimensional drawing

TYPE	W(mm)	L(mm)	H(mm)
5000lm	363	562	85
8500lm	363	842	85
12000lm	363	1142	85
18000lm	525	1321	161

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