



SmartBright All-in-one Solar Street Light

BRP110 LED120/740 G2 HY Solar

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and controller 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	Charge controller wattage	65 W
Value ladder	Value	Cable connection kit	Excluded
		Connection	-
		Grid connection type	Hybrid
Light Technical			
Luminous Flux	12,000 lm	Controls and Dimming	
Correlated Color Temperature (Nom)	4000 K	Dimmable	Yes
Luminous Efficacy (rated) (Nom)	185 lm/W	Configurability	Configurable
Color rendering index (CRI)	>70	Control interface	-
Operating and Electrical		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%
Power Factor (Fraction)	> 0.9	Mechanical and Housing	
Battery type	Lithium Ferro Phosphate	Housing Color	RAL7040
Battery ampere hour	24 Ah	Overall length	1,142 mm
Battery voltage	12 V	Overall width	364 mm
Battery charging & discharging cycles	2000	Overall height	86 mm
Panel type	Mono crystalline		
Panel voltage	18 V		
Panel peak wattage	80 W		
Charge controller type	MPPT		

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Dimensions (Height x Width x Depth)	86 x 364 x 1142 mm
Material	Aluminum
Battery location	Inbuilt
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Optical cover type	Polycarbonate
Net Weight (Piece)	13.800 kg

Approval and Application

CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	0 to +50 °C

Over Time Performance (IEC Compliant)

Median useful life L70B50	50,000 hour(s)
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Application Conditions

Ambient temperature range for charging	0 °C to 50 °C
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Ambient temperature range for discharging (when light is on)	-10 °C to 60 °C
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Product Data

Order product name	BRP110 LED120/740 G2 HY Solar
Full product name	BRP110 LED120/740 G2 HY Solar
Full product code	872016973548400
Order code	911401878902
Material Nr. (12NC)	911401878902
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169735484
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169735484

Dimensional drawing

