



# SmartBright All-in-one Solar Street Light

## BRP110 LED50/757 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		Charge controller wattage	
Driver included	Yes	Charge controller wattage	27 W
Value ladder	Value	Cable connection kit	Excluded
Light Technical		Connection	-
Luminous Flux	5,000 lm	Grid connection type	Hybrid
Correlated Color Temperature (Nom)	5700 K	Controls and Dimming	
Luminous Efficacy (rated) (Nom)	185 lm/W	Dimmable	Yes
Color rendering index (CRI)	>70	Configurability	Configurable
Operating and Electrical		Control interface	-
Power Factor (Fraction)	> 0.9	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%
Battery type	Lithium Ferro Phosphate	Mechanical and Housing	
Battery ampere hour	12 Ah	Housing Color	RAL7040
Battery voltage	12 V	Overall length	562 mm
Battery charging & discharging cycles	2000	Overall width	364 mm
Panel type	Mono crystalline	Overall height	86 mm
Panel voltage	18 V	Dimensions (Height x Width x Depth)	86 x 364 x 562 mm
Panel peak wattage	35 W		
Charge controller type	MPPT		

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Material	Aluminum
Battery location	Inbuilt
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Optical cover type	Polycarbonate
Net Weight (Piece)	7.800 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 LED50/757 G2 HY Solar
Full product name	BRP110 LED50/757 G2 HY Solar
Full product code	872016973546000
Order code	911401878702
Material Nr. (12NC)	911401878702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169735460
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169735460

## Dimensional drawing

