PHILIPS

Lighting



SmartBright All-in-one Solar Street Light

BRP110 LED85/757 G2 HY Solar

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	8,500 lm
Luminous Efficacy (rated) (Nom)	185 lm/W
Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	>70
Optical cover type	Polycarbonate

Operating and Electrical	
Power Factor (Fraction)	> 0.9
Battery type	Lithium Ferro Phosphate
Battery ampere hour	18 Ah
Battery voltage	12 V
Battery charging & discharging cycles	2000
Panel type	Mono crystalline
Panel voltage	18 V
Panel peak wattage	55 W
Charge controller type	MPPT
Charge controller wattage	42 W
Cable connection kit	Excluded
Connection	-

Temperature	
Ambient temperature range	-10 °C to 60 °C

Controls and Dimming	
Configurability	Configurable
Dimmable	Yes
Control interface	-

Mechanical and Housing	
Housing Color	RAL7040
Overall length	842 mm
Overall width	364 mm
Overall height	86 mm
Dimensions (Height x Width x Depth)	86 x 364 x 842 mm
Material	Aluminum

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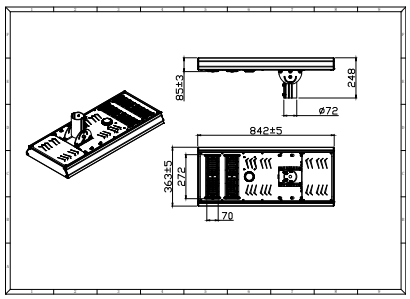
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
CE mark	Yes
EU RoHS compliant	Yes

Over Time Performance (IEC Compliant)	
Median useful life L70B50	50,000 hour(s)

Application Conditions	
Ambient temperature range for charging	0 °C to 50 °C
Ambient temperature range for discharging (when light is on)	-10 °C to 60 °C
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	Hybrid
Battery location	Inbuilt

Product Data	
Order product name	BRP110 LED85/757 G2 HY Solar
Full product name	BRP110 LED85/757 G2 HY Solar
Full product code	872016973545300
Order code	911401878602
Material Nr. (12NC)	911401878602
Numerator - Quantity Per Pack	1
Net Weight (Piece)	10.400 kg
EAN/UPC - Product/Case	8720169735453
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169735453

Dimensional drawing



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