



SmartBright All-inone 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	-
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]

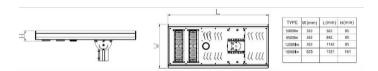
Datasheet, 2024, September 10 data subject to change

SmartBright All-in-one Solar Street Light

Mech. impact protection code	IK08 [6 J]
EU RoHS compliant	Yes
Over Time Performance (IEC Compliant)	
Median useful life L70B50	50,000 hour(s)
Application Conditions	
Autonomy	2 hour(s)
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	
Order product name	BRP110 LED180/757 G2
Full product name	BRP110 LED180/757 G2
Full product code	692382865730700
Order code	911401834202
Material Nr. (12NC)	911401834202
Numerator - Quantity Per Pack	1
Net Weight (Piece)	28.100 kg
EAN/UPC - Product/Case	6923828657307
Numerator - Packs per outer box	1
EAN/UPC - Case	6923828657307

Dimensional drawing





© 2024 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.