

Smart Bright Solar

BRP049 LED 12 CW MR S2 12V GEL Solar Equ

SmartBright Solar is a sleek elegant & finless design innovative streetlight with best in class energy efficiency, inbuilt MPPT charge controller, High efficacy driver and LED platform to ensure higher energy saving and reliable operation over committed lifetime. SmartBright Solar Luminaire is a high pressure die-cast IK 08 rated housing, ensuring high strength and safety on the pole. The solid die-cast aluminum also has excellent heat dissipation, extending the life of the components inside. The multiple lumen packs and optics makes it optimum for the B2 category of Roads.

Product data

General Information	
Driver included	Yes
CE mark	CE mark
Warranty period	3 years

Light Technical	
Luminous Flux	1,200 lm
Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	>70
Optical cover type	Polycarbonate

Operating and Electrical	
Charge controller type	MPPT
Charge controller wattage	10 W
Cable connection kit	Included
Cable	Cord 0.5 m 4 core for battery and panel, without connectors and additional 1.0 m cable for solar panel included in the box

Temperature	
Ambient temperature range	0 to +35 °C

Controls and Dimming	
Dimmable	Yes
Configurability	Factory Configurable

Mechanical and Housing	
Overall length	316 mm
Overall width	107 mm
Overall height	60 mm
Dimensions (Height x Width x Depth)	60 x 107 x 316 mm
Material	Pressure die cast aluminum

Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]

Smart Bright Solar

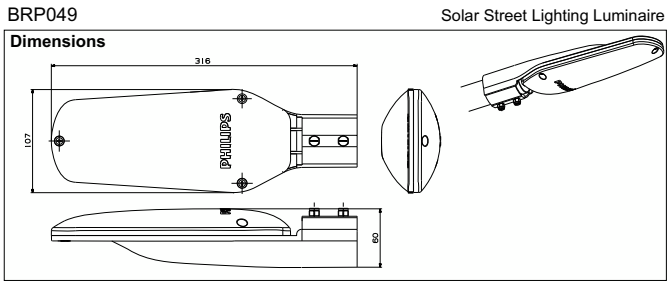
Over Time Performance (IEC Compliant)	
Median useful life L70B50	50,000 hour(s)

Application Conditions	
Solar dimming profile	Dim to 50% after 6 Hours
Grid connection type	Off grid
Battery location	Outside Luminaire

Product Data	
Order product name	BRP049 LED 12 CW MR S2 12V GEL Solar Equ

Full product name	BRP049 LED 12 CW MR S2 12V GEL Solar Equ
Order code	919515812165
Material Nr. (12NC)	919515812165
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing



© 2023 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.