



Smart Bright Solar

BRP049 LED 18 CW MR S2 12V Solar Equip

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	1,800 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	15 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
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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]	

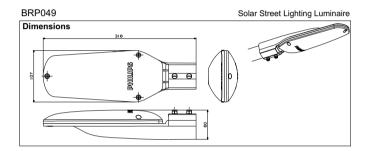
Datasheet, 2023, April 15 data subject to change

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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 18 CW MR S2 12V Solar Equip	

Full product name	BRP049 LED 18 CW MR S2 12V Solar Equip
Order code	919515812157
Material Nr. (12NC)	919515812157
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing





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