PHILIPS

Lighting



SunStay

BRP710 LED20 CW MR HY SOLAR IN

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire. Pressure die cast aluminium for sturdiness and long life. Specially designed pole mounting bracket allows different tilt angles, lateral and pole top mounting.

Product data

General Information	
Driver included	Yes
CE mark	CE mark

Light Technical	
Luminous Flux	2,000 lm
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	175 lm/W
Color rendering index (CRI)	>70
Optical cover type	UV stabilized Polycarbonate cover

Operating and Electrical	
Input Voltage	240 V
Line Frequency	50 Hz
Battery type	Lithium Ferro Phosphate
Battery ampere hour	13.6 Ah
Battery voltage	12.8 V
Battery charging & discharging cycles	2000
Panel type	Poly crystalline
Panel voltage	17 Vmp, 21 Voc V
Panel peak wattage	28 W
Charge controller type	MPPT
Charge controller wattage	11 W

Cable connection kit	Included
Cable	Cable 0.8m, 2-core, 1.5mm2

Temperature	
Ambient temperature range	0 to +35 °C

Controls and Dimming	
Dimmable	Yes
Configurability	Factory Configurable

Mechanical and Housing	
Housing Color	RAL 7011
Overall length	684 mm
Overall width	369 mm
Overall height	156 mm
Dimensions (Height x Width x Depth)	156 x 369 x 684 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]

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Surge Protection (Common/Differential)	Surge protection level until 4 kV

Battery location	Integrated

Over Time Performance (IEC Compliant)

Median useful life L70B50	50,000 hour(s)

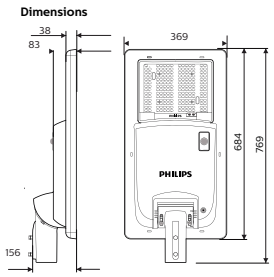
Application Conditions

Ambient temperature range for charging	0 °C to +45 °C °C
Ambient temperature range for discharging (when light is on)	-20 °C to +35 °C °C
Solar dimming profile	100% Dusk to dawn
Grid connection type	Hybrid

Product Data

Order product name	BRP710 LED20 CW MR HY SOLAR IN
Full product name	BRP710 LED20 CW MR HY SOLAR IN
Order code	919515813614
Material Nr. (12NC)	919515813614
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing



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