



# SunStay

## BRP710 LED20 WW MR HY FDIM50 SOLAR

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		Cable	
Driver included	Yes	Cable	Cable 0.8m, 2-core, 1.5mm <sup>2</sup>
Warranty period	3 years	Grid connection type	Hybrid
		Surge Protection (Common/Differential)	Surge protection level until 4 kV
Light Technical		Controls and Dimming	
Luminous Flux	2,000 lm	Dimmable	Yes
Correlated Color Temperature (Nom)	3000 K	Configurability	Factory Configurable
Luminous Efficacy (rated) (Nom)	175 lm/W	Solar dimming profile	5hrs 100% + 7 hrs 50%
Color rendering index (CRI)	>70		
Operating and Electrical		Mechanical and Housing	
Input Voltage	240 V	Housing Color	RAL 7011
Line Frequency	50 Hz	Overall length	684 mm
Battery type	Lithium Ferro Phosphate	Overall width	369 mm
Battery ampere hour	13.6 Ah	Overall height	156 mm
Battery voltage	12.8 V	Dimensions (Height x Width x Depth)	156 x 369 x 684 mm
Battery charging & discharging cycles	2000	Material	Pressure die cast aluminum
Panel type	Poly crystalline	Battery location	Inside Luminaire
Panel voltage	17 Vmp, 21 Voc V	Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Panel peak wattage	28 W	Mech. impact protection code	IK08 [5 J vandal-protected]
Charge controller type	MPPT	Optical cover type	UV stabilized Polycarbonate cover
Charge controller wattage	11 W	Net Weight (Piece)	11.000 kg
Cable connection kit	Included		

## Approval and Application

CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	0 to +35 °C

## Over Time Performance (IEC Compliant)

Median useful life L70B50	50,000 hour(s)
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## Application Conditions

Ambient temperature range for charging	0 °C to +45 °C
Ambient temperature range for discharging (when light is on)	-20 °C to +35 °C

## Product Data

Order product name	BRP710 LED20 WW MR HY FDIM50 SOLAR
Full product name	BRP710 LED20 WW MR HY FDIM50 SOLAR
Full product code	871951450196600
Order code	919515813990
Material Nr. (12NC)	919515813990
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514501966
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514501966

## Dimensional drawing

