



# SunStay

## BRP710 LED20 WW MR 12V 35MO 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	
Driver included	Yes
Light Technical	
Luminous Flux	2,000 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	175 lm/W
Color rendering index (CRI)	>70
Light source color	Warm white
Optical cover type	UV stabilized Polycarbonate cover
Operating and Electrical	
Battery type	Lithium Ferro Phosphate
Battery ampere hour	13.6 Ah
Battery voltage	12.8 V
Battery charging & discharging cycles	2000
Panel type	Mono crystalline
Panel voltage	17 Vmp, 21 Voc V
Panel peak wattage	35 W
Charge controller type	MPPT

Temperature	
Ambient temperature range	0 to +35 °C
Controls and Dimming	
Dimmable	Yes
Configurability	Factory Configurable
Mechanical and Housing	
Housing Material	Aluminium pressure die cast
Housing Color	Gray
Overall length	684 mm
Overall width	369 mm
Overall height	156 mm
Dimensions (Height x Width x Depth)	156 x 369 x 684 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
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

Ambient temperature range for discharging -20 °C to +35 °C

(when light is on)

Solar dimming profile 5hrs 100% + 7 hrs 50%

Grid connection type Off grid

Battery location Inside Luminaire

## Product Data

Order product name BRP710 LED20 WW MR 12V 35MO FDIM50  
Solar

Full product name	BRP710 LED20 WW MR 12V 35MO FDIM50 Solar
Full product code	871016335457600
Order code	919515812969
Material Nr. (12NC)	919515812969
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163354576
Numerator - Packs per outer box	1
EAN/UPC - Case	8710163354576

## Dimensional drawing

