



# SunStay

## BRP710 LED45 CW 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	
Driver included	Yes
Value ladder	Specification
Warranty period	3 years
Light Technical	
Luminous Flux	4,500 lm
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	175 lm/W
Color rendering index (CRI)	>70
Operating and Electrical	
Input Voltage	240 V
Line Frequency	50 Hz
Battery type	Lithium Ferro Phosphate
Battery ampere hour	30 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	60 W
Charge controller type	MPPT
Charge controller wattage	25 W

Cable connection kit	Included
Cable	Cable 0.8m, 2-core, 1.5mm <sup>2</sup>
Grid connection type	Hybrid
Surge Protection (Common/Differential)	Surge protection level until 4 kV
Controls and Dimming	
Dimmable	Yes
Configurability	Factory Configurable
Solar dimming profile	5hrs 100% + 7 hrs 50%
Mechanical and Housing	
Housing Color	RAL 7011
Overall length	757 mm
Overall width	511 mm
Overall height	188 mm
Dimensions (Height x Width x Depth)	188 x 511 x 757 mm
Material	Pressure die cast aluminum
Battery location	Inside Luminaire
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Optical cover type	UV stabilized Polycarbonate cover

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Net Weight (Piece)	19.500 kg
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## 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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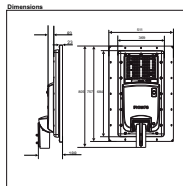
## Application Conditions

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 LED45 CW MR HY FDIM50 SOLAR
Full product name	BRP710 LED45 CW MR HY FDIM50 SOLAR
Full product code	871951450184300
Order code	919515813978
Material Nr. (12NC)	919515813978
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514501843
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514501843

## Dimensional drawing



**PHILIPS**

