SunStay

BRP710 LED20 NW MR 12V 28PO PDIM50 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)	4000 K
Luminous Efficacy (rated) (Nom)	175 lm/W
Color rendering index (CRI)	>70
Light source color	Neutral 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	Poly crystalline
Panel voltage	17 Vmp, 21 Voc V
Panel peak wattage	28 W
Charge controller type	MPPT

Temperature

Ambient temperature range	0 to +35 ℃

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 ℃ to +45 ℃

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Ambient temperature range for discharging (when light is on)	-20 ℃ to +35 ℃		**Full product code**	871016335450700
Solar dimming profile	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)		**Order code**	919515812979
			Material Nr. (12NC)	919515812979
Grid connection type	Off grid		**Numerator – Quantity Per Pack**	1
Battery location	Inside Luminaire		**EAN/UPC – Product/Case**	8710163354507
			Numerator – Packs per outer box	1
			EAN/UPC – Case	8710163354507

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Dimensional drawing

Dimensions

www.lighting.philips.com

2023, April 15 – data subject to change