

PRODUCT DATASHEET

STREETLIGHT ECO SOLAR 20W 830 2880lm Black

STREETLIGHT ECO SOLAR | Solar powered street and area light luminaire

Areas of application

- Areas where no power supply is available
- Outdoor use (IP65)



Product benefits

- Eco-friendly solar powered light
- Dimming via enclosed remote control
- Demand based lighting and energy saving thanks to motion and daylight sensor
- Adjustable install arm, multi-angle adjustment, make solar panel easy to apply to sunlight trajectory from different directions
- Energy savings thanks to high system efficacy: up to 160 lm/W

Product features

- Solar powered outdoor LED luminaire
- 7 operating modes selectable
- PIR motion detector and daylight sensor
- Operating time on battery power: up to 8 h
- Standard CCT: 4000K, 6500K & 3000K
- LiFePO4 battery for STREETLIGHT SOLAR



- Monocrystalline solar panel and UV resistant polycarbonate lens
- 3 years warranty

TECHNICAL DATA

Electrical data

Nominal wattage	20.00 W
Nominal voltage	3.2 V
Nominal current	7200 mA
Inrush current	3 A
Inrush current time T _{h50}	100 µs
Protection class	III
Operating mode	Battery

Photometrical data

Luminous flux	2880 lm
Luminous efficacy	144 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	< 6 sdc _m
Photobiological safety group acc. to EN62778	RG0
Beam angle	85 ° x 160 °

Dimensions & Weight

Length	636.00 mm
Width	240.00 mm
Height	66.00 mm
Product weight	3530.00 g

SL ECO SOLAR E 15W 20W

Materials & Colors

Product color	Black
Housing color	Black
Body material	Acrylonitrile butadiene styrene (ABS)
Cover material	Polycarbonate (PC)

Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-10...+35 °C
Temperature range at storage	-20...+80 °C
Type of protection	IP65
Protection class IK (shock resistance)	IK04
Dimmable	No
Mounting type	Side entry/post top
Mounting location	Pole
Application environment	Outdoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	25000 h ¹⁾
Number of switching cycles	10000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Sensor

Type of sensor	Motion / Daylight
Sensor technology	Microwave
Sensor detection angle	120 °
Sensor controlled switching time	15 s
Detection range of motion sensor	4...8 m
Detection threshold of daylight sensor	0...30 lx

BATTERY

Battery size [GMS]	Others
Battery charging time	6-8 h

Emergency lighting

Luminous flux in emergency operation mode	
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Certificates & Standards

Standards	CE / EAC / UKCA
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Luminaire with limited surface temperature, "D sign"	No
Replaceable light source (EPREL)	Not replaceable

EQUIPMENT / ACCESSORIES

- Complete mounting and connecting accessories included
- Remote control and battery included

Safety advice

- If the battery compartment (if applicable) does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- Please avoid: Maximal ambient temperature: +35 °C. Replacement of a battery with an incorrect type that can defeat safeguard (for example, in the case of some lithium battery types). Altitude during operation: 2000 m. Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	SL ECO SOLAR E
	Legal information	SL ECO SOLAR E
	Declarations of conformity	SL ECO SOLAR
	Declarations of conformity UKCA	SL ECO SOLAR

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854584206	Folding box 1	650 mm x 250 mm x 75 mm	3200.00 g	12.19 dm ³
4099854584213	Shipping box 3	665 mm x 235 mm x 269 mm	10090.00 g	42.04 dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

