

# PRODUCT DATASHEET

## SOLAR STREETLIGHT ECO 24W 6500K 4000 lm

SOLAR STREETLIGHT ECO | Luminaires with LED technology for ceiling, wall and floor



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### Areas of application

- Sports grounds and outdoor facilities
- Lighting of large areas
- Gardens, balconies and other outdoor areas

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### Product benefits

- Low maintenance and operation costs due to long lifetime of LED
- Instant 100 % light, no warm-up time
- Low energy consumption
- 2 years guarantee

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### Product features

- High luminous efficacy: up to 150 lm/W
- Solar powered outdoor LED luminaire
- Battery charging via solar panel
- Material: aluminum
- Impact resistance: IK03
- Lifetime: up to 20,000 h
- Type of protection: IP65

TECHNICAL DATA

Electrical data

Nominal wattage	24.00 W
Nominal voltage	4,5 V
Nominal current	2880.000 mA
Protection class	III

Photometrical data

Luminous flux	4000 lm
Luminous efficacy	150 lm/W
Color temperature	6500 K
Light color (designation)	Cold White
Color rendering index Ra	> 70
Standard deviation of color matching	< 5 sdc <sub>m</sub>
Low flicker	Yes
Beam angle	110 °

Dimensions & Weight

Length	641.00 mm
Width	248.00 mm
Height	44.50 mm
Product weight	3730.00 g

Materials & Colors

Product color	Gray
Housing color	Gray
Body material	Polycarbonate (PC)
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	0...+45 °C
Type of protection	IP65
Protection class IK (shock resistance)	IK05
Dimmable	Yes
Mounting type	Side entry post top
Mounting location	Pole
Application environment	Outdoor

Replaceable light source	No
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### Lifespan

Lifespan L70/B50 at 25 °C	20000 h <sup>1)</sup>
Number of switching cycles	10000

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

### Sensor

Detection range of motion sensor	5 m
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### BATTERY

Type of Battery	LiFePO4
Battery size [GMS]	Others
Battery charging time	5.5 h

### Certificates & Standards

Replaceable light source (EPREL)	Not replaceable
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### DOWNLOAD DATA

Photometric and lighting design files		Document name
	LDT file (Eulumdat)	Solarstreet Eco 24W 765 4000Lm

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854226410	Folding box 1	86 mm x 371 mm x 671 mm	3935.00 g	21.41 dm <sup>3</sup>
4099854226427	Shipping box 4	685 mm x 360 mm x 390 mm	16542.00 g	96.17 dm <sup>3</sup>

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

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