

# PRODUCT DATASHEET

## Endura Hybrid Rota Spike 1W Black

Endura Hybrid Ground | Hybrid ground spike luminaires capable of using both, solar energy and power from electric grid



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### Areas of application

- Gardens and other outdoor areas
- Patios, balconies
- Entrance lighting
- Building facades

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### Product benefits

- Capable of using both, solar energy and power from electric grid
- Easy installation and tool-free electrical connection without professional knowledge, independent from power supply
- 12V direct current voltage for highest safety for human and animal
- Product types for different usecases available
- Various types with adjustable luminaire head
- Surface and ground mounting options with spikes
- Sustainable energy

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### Product features

- Maximum connected load per solar panel = 24W
- IP67 protection of connection plugs
- When connected to the power grid, luminaire automatically switches to mains current once solar panel battery runs out of energy
- IP44 protection of luminaires
- Durable housing material

## TECHNICAL DATA

### Electrical data

Nominal wattage	1.00 W
Nominal voltage	12 V
Nominal current	83.000 mA
Protection class	III
Operating mode	Mains voltage

### Photometrical data

Luminous flux	40 lm
Total luminous flux of contained light sources	120 lm
Luminous efficacy	40 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	≥ 80
Standard deviation of color matching	≤6 sdc <sub>m</sub>
Flickering metric (Pst LM)	<1 %
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °

### Dimensions & Weight

Diameter	48.00 mm
Height	455.00 mm
Product weight	300.00 g
Cable length	300 mm



ENDURA HYBRID ROTA SPIKE 1W  
BK

### Materials & Colors

Product color	Black
Housing color	Black
Body material	Plastic

Cover material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C

### Application & Mounting

Ambient temperature range	-20...+40 °C
Type of connection	Fast connector
Type of protection	IP44
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Ground spike
Application environment	Outdoor
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	25000 h <sup>1)</sup>
Number of switching cycles	12500

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






### Certificates & Standards


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

### Safety advice

- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.

### DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	ENDURA HYBRID ROTA SPIKE 1W BK
 Addon technical information	Hybrid assembly in 3 steps EN
 Addon technical information	Hybrid Installation in 3 Schritten DE
 Legal information	ENDURA HYBRID
 Declarations of conformity	CE Declaration ENDURA HYBRID

Documents and certificates	Document name
 Declarations of conformity UKCA	UKCA Declaration ENDURA HYBRID

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075834682	Folding box 1	62 mm x 62 mm x 368 mm	355.00 g	1.41 dm <sup>3</sup>
4058075834699	Shipping box 6	200 mm x 140 mm x 393 mm	2422.00 g	11.00 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

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