PRODUCT DATASHEET
Endura Hybrid Hagen 48cm 4W Stainless Steel

ENDURA® Hybrid Bollard | Hybrid bollard luminaires capable of using both, solar energy and power from electric grid

Areas of application

- Gardens and other outdoor areas
- Patios, balconies

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
- Sustainable energy

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
- Stainless steel housing

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TECHNICAL DATA

Electrical data

Nominal wattage	4.00 W
Nominal voltage	12 V
Nominal current	333.000 mA
Protection class	III
Operating mode	Mains voltage

Photometrical data

Luminous flux	340 lm
Total luminous flux of contained light sources	500 lm
Luminous efficacy	85 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	≥ 80
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	<1 %
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °

Dimensions & Weight

Diameter	98.00 mm
Height	480.00 mm
Product weight	670.00 g
Cable length	300 mm

ENDURA HYBRID HAGEN 48CM 4W

Materials & Colors

Product color	Steel
Housing color	Steel
Body material	Stainless steel

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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	Surface
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	12500

1) 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
PDF	User instruction / safety instructions	ENDURA HYBRID LUM
	Addon technical information	Hybrid assembly in 3 steps EN
	Addon technical information	Hybrid Installation in 3 Schritten DE
PDF	Legal information	ENDURA HYBRID

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	Documents and certificates	Document name
PDF	Declarations of conformity	CE Declaration ENDURA HYBRID
PDF	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
4058075834583	Folding box 1	107 mm x 107 mm x 513 mm	802.00 g	5.87 dm^3
4058075834590	Shipping box 4	230 mm x 230 mm x 538 mm	3801.00 g	28.46 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

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