# 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

## 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 |

| | |
|---|---|
| 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 |

| | 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 dm³ |
| 4058075834590 | Shipping box 4 | 230 mm x 230 mm x 538 mm | 3801.00 g | 28.46 dm³ |

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.