

# PRODUCT DATASHEET

## Endura Hybrid Naut Spike 2W 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

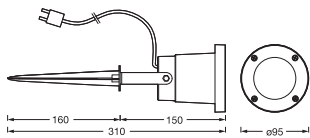
|                  |               |
|------------------|---------------|
| Nominal wattage  | 2.00 W        |
| Nominal voltage  | 12 V          |
| Nominal current  | 167.000 mA    |
| Protection class | III           |
| Operating mode   | Mains voltage |

Photometrical data

|                                                |                      |
|------------------------------------------------|----------------------|
| Luminous flux                                  | 100 lm               |
| Total luminous flux of contained light sources | 250 lm               |
| Luminous efficacy                              | 50 lm/W              |
| Color temperature                              | 3000 K               |
| Light color (designation)                      | Warm White           |
| Color rendering index Ra                       | ≥ 80                 |
| Standard deviation of color matching           | ≤6 sdc <sub>cm</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       | 95.00 mm  |
| Height         | 310.00 mm |
| Product weight | 290.00 g  |
| Cable length   | 300 mm    |



ENDURA HYBRID NAUT SPIKE 2W  
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            |
| Replaceable light source               | No             |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 25000 h <sup>1)</sup> |
| 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                         |
|------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------|
|  | User instruction / safety instructions | ENDURA HYBRID NAUT SPOT SPIKE         |
|  | Addon technical information            | Hybrid assembly in 3 steps EN         |
|  | Addon technical information            | Hybrid Installation in 3 Schritten DE |
|  | Legal information                      | ENDURA HYBRID                         |

| Documents and certificates                                                       |                                 | Document name                  |
|----------------------------------------------------------------------------------|---------------------------------|--------------------------------|
|  | Declarations of conformity      | CE Declaration ENDURA HYBRID   |
|  | 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    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075834644 | Folding box<br>1             | 112 mm x 112 mm x 183 mm             | 354.00 g     | 2.30 dm³  |
| 4058075834651 | Shipping box<br>6            | 350 mm x 240 mm x 208 mm             | 2486.00 g    | 17.47 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.