

## PRODUCT DATASHEET

### ENDURA® Style Solar Turn Sensor Wall IP54

### Dark Grey

ENDURA® Style Solar Bright Turn Sensor | Solar-powered luminaire with high luminous flux, adjustable luminaire head and motion and daylight sensor



#### Areas of application

- Outdoor
- Entrance lighting
- Patios, balconies
- General illumination
- Facade and building illumination

#### Product benefits

- Solar powered outdoor LED luminaire
- Adjustable luminaire head
- Easy and quick installation, independent from connection to power supply
- Long-term energy and cost savings

#### Product features

- Sustainable energy, low environmental impact
- Bright light
- Highly efficient monocrystalline solar panel
- PIR motion detection and daylight sensor, matching with housing color
- Lower light smog, on-demand lighting (sensor version)
- Type of protection: IP54



- Operating time with fully charged battery: up to 140 days (depending on the work mode and conditions)
- 3 selectable operating modes (Dusk to Dawn): 1. 50 lm + 100 % light brightness after movement detection for 10 seconds; 2. 0 lm + 100 % light brightness after movement detection for 10 seconds; 3. 50 lm permanent light
- Energy-efficient thanks to LED technology

TECHNICAL DATA

Electrical data

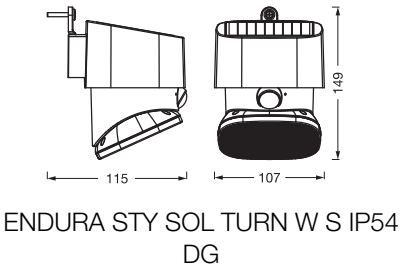
|                  |             |
|------------------|-------------|
| Nominal wattage  | 10.30 W     |
| Nominal voltage  | 4,2 V       |
| Nominal current  | 2450.000 mA |
| Protection class | III         |
| Operating mode   | Battery     |

Photometrical data

|                                                |            |
|------------------------------------------------|------------|
| Luminous flux                                  | 890 lm     |
| Total luminous flux of contained light sources | 1000 lm    |
| Luminous efficacy                              | 83 lm/W    |
| Color temperature                              | 3000 K     |
| Light color (designation)                      | Warm White |
| Color rendering index Ra                       | > 80       |
| Flickering metric (Pst LM)                     | <1 %       |
| Stroboscope effect metric (SVM)                | <0.4       |
| Photobiological safety group acc. to EN62778   | RG1        |
| Beam angle                                     | 100 °      |

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 107.00 mm |
| Width          | 115.00 mm |
| Height         | 149.00 mm |
| Product weight | 320.00 g  |



## Materials & Colors

|                                            |                                                          |
|--------------------------------------------|----------------------------------------------------------|
| Product color                              | Dark gray                                                |
| Housing color                              | Dark gray                                                |
| Body material                              | Polycarbonate (PC) Acrylonitrile butadiene styrene (ABS) |
| Cover material                             | Polycarbonate (PC)                                       |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C                                                   |

## Application & Mounting

|                                        |              |
|----------------------------------------|--------------|
| Ambient temperature range              | -10...+55 °C |
| Temperature range at storage           | -20...+80 °C |
| Type of protection                     | IP54         |
| Protection class IK (shock resistance) | IK04         |
| Dimmable                               | Yes          |
| Mounting type                          | Surface      |
| Application environment                | Outdoor      |
| With light source                      | Yes          |
| Replaceable light source               | No           |

## Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 54000 h <sup>1)</sup> |
| Number of switching cycles | 100000                |

<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

|                                  |                        |
|----------------------------------|------------------------|
| Type of sensor                   | Light / Motion         |
| Sensor technology                | Passive infrared (PIR) |
| Sensor detection angle           | 110 °                  |
| Detection range of motion sensor | 3...5 m                |

## BATTERY

|                              |             |
|------------------------------|-------------|
| Type of Battery              | Lithium ion |
| Battery size [GMS]           | Others      |
| Number of included batteries | 1           |
| Nominal voltage of battery   | 3.7 V       |
| Nominal capacity of battery  | 2000 mAh    |
| Battery charging time        | 15 h        |

Certificates & Standards

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

Additional product data

|                |                          |
|----------------|--------------------------|
| Product remark | Available from June 2025 |
|----------------|--------------------------|

EQUIPMENT / ACCESSORIES

- Mounting accessories included

Safety advice

- If the battery compartment (if applicable) does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- Please avoid: Maximal ambient temperature: +35 °C. Replacement of a battery with an incorrect type that can defeat safeguard (for example, in the case of some lithium battery types). Altitude during operation: 2000 m. Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.

DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                            |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------|
|  | User instruction / safety instructions | ENDURA STY SOL TURN W S IP54 DG          |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG       |
|  | Legal information                      | Safety insert G11219579                  |
|  | Declarations of conformity             | EU Declaration of Conformity solar light |
|  | Declarations of conformity UKCA        | UK Declaration of Conformity solar light |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume   |
|---------------|------------------------------|--------------------------------------|--------------|----------|
| 4099854415135 | Folding box<br>1             | 126 mm x 114 mm x 142 mm             | 576.00 g     | 2.04 dm³ |

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854415142 | Shipping box<br>6            | 352 mm x 262 mm x 158 mm             | 3763.00 g    | 14.57 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.