

# PRODUCT DATASHEET

## ENDURA PRO Flood Sensor 27W 4000K IP55

### White

ENDURA® PRO FLOOD SENSOR | High efficiency wall sensor luminaires with wide beam angle in innovative optical design



#### Areas of application

- Outdoor
- Parking lots, city squares, parks
- Arcade passage

#### Product benefits

- Homogenous illumination
- Lighting according to requirements due to adjustable luminaire head
- Easy and quick installation

#### Product features

- 4 operating modes selectable (light 6h continuous on, standby, switch-on by movement or dusk)
- Adjustable luminaire head
- Type of protection: IP55
- Impact resistance: IK05
- Protection class: II



TECHNICAL DATA

Electrical data

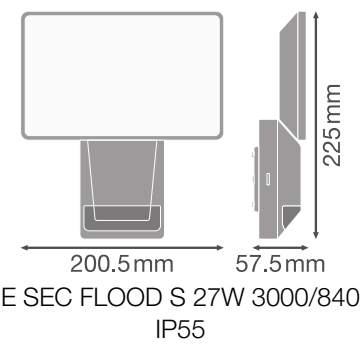
|                                                             |               |
|-------------------------------------------------------------|---------------|
| Nominal wattage                                             | 27.00 W       |
| Nominal voltage                                             | 220...240 V   |
| Mains frequency                                             | 50...60 Hz    |
| Nominal current                                             | 5000.000 mA   |
| Inrush current                                              | 5 A           |
| Inrush current time T <sub>h50</sub>                        | 50 µs         |
| Max. number of luminaires per miniature circuit breaker B16 | 91            |
| Max. number of luminaires per miniature circuit breaker C10 | 57            |
| Max. number of luminaires per miniature circuit breaker C16 | 91            |
| Power factor λ                                              | ≥0.90         |
| Protection class                                            | II            |
| Operating mode                                              | Mains voltage |

Photometrical data

|                                                |                     |
|------------------------------------------------|---------------------|
| Luminous flux                                  | 3000 lm             |
| Total luminous flux of contained light sources | 3800 lm             |
| Luminous efficacy                              | 50 lm/W             |
| Color temperature                              | 4000 K              |
| Light color (designation)                      | Cool 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)                | <=0.9               |
| Photobiological safety group acc. to EN62778   | RG1                 |
| Photobiological safety group acc. to EN62471   | RG1                 |
| Beam angle                                     | 100 °               |

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 201.00 mm |
| Width          | 56.00 mm  |
| Height         | 225.00 mm |
| Product weight | 480.00 g  |



Materials & Colors

|                 |                    |
|-----------------|--------------------|
| Product color   | White              |
| Housing color   | White              |
| Body material   | Polycarbonate (PC) |
| Cover material  | Polycarbonate (PC) |
| Mercury content | 0.0 mg             |

Application & Mounting

|                                        |                             |
|----------------------------------------|-----------------------------|
| Ambient temperature range              | -20...+40 °C                |
| Temperature range at storage           | -25...+70 °C                |
| Type of connection                     | Terminal, 3-Pole (L, N, PE) |
| Type of protection                     | IP55                        |
| Protection class IK (shock resistance) | IK05                        |
| Dimmable                               | No                          |
| Mounting type                          | Surface                     |
| Mounting location                      | Wall                        |
| Application environment                | Outdoor                     |
| With light source                      | Yes                         |

Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 30000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 50000 h               |
| 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)

Control gear

|                |              |
|----------------|--------------|
| Output current | 400...480 mA |
|----------------|--------------|

Sensor

|                                        |                        |
|----------------------------------------|------------------------|
| Type of sensor                         | Light / Motion         |
| Sensor technology                      | Passive infrared (PIR) |
| Sensor detection angle                 | 180 °                  |
| Sensor controlled switching time       | 2 s...15 min           |
| Detection range of motion sensor       | 12 m                   |
| Detection threshold of daylight sensor | 1...1000 lx            |

Certificates & Standards

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

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- 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 PRO LUMINAIRES |
|  | Declarations of conformity             | E PRO FLOOD and SPOT  |
|  | Declarations of conformity UKCA        | E PRO LUM             |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075228825 | Folding box<br>1             | 68 mm x 208 mm x 234 mm              | 553.00 g     | 3.31 dm³  |
| 4058075228832 | Shipping box<br>4            | 280 mm x 219 mm x 251 mm             | 2823.00 g    | 15.39 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.

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## DISCLAIMER

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