

# PRODUCT DATASHEET

## Submarine Sensor 120cm 16W 4000K

SUBMARINE SENSOR | Damp-proof luminaire with built in motion sensor

---

### Areas of application

- Basements, garages, warehouses
- For indoor use only



---

### Product benefits

- Easy installation thanks to improved space for mounting brackets and easy to open tray
- Quick and easy lamp replacement
- Good, even illumination
- Allows for energy savings and comfortable operation due to sensor control

---

### Product features

- Durable and energy-saving LED luminaire
- Dust-protected and jet-proof (IP65)
- Detection range: 100% with hold time: 3 minutes as default setting
- Motion sensor (microwave technology) with adjustable detection parameters



TECHNICAL DATA

Electrical data

|                           |               |
|---------------------------|---------------|
| Nominal wattage           | 16.00 W       |
| Nominal voltage           | 220...240 V   |
| Mains frequency           | 50...60 Hz    |
| Inrush current            | 5.4 A         |
| Total harmonic distortion | ≤ 20 %        |
| Protection class          | I             |
| Operating mode            | Mains voltage |

Photometrical data

|                                                |                     |
|------------------------------------------------|---------------------|
| Luminous flux                                  | 1600 lm             |
| Total luminous flux of contained light sources | 1800 lm             |
| Luminous efficacy                              | 105 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> |
| Photobiological safety group acc. to EN62778   | RG0                 |
| Photobiological safety group acc. to EN62471   | RG0                 |
| Beam angle                                     | 140 °               |

Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1261.00 mm |
| Width          | 66.00 mm   |
| Height         | 75.00 mm   |
| Product weight | 1100.00 g  |

SUBMARINE 120CM

SUBMARINE 120CM

SUBMARINE 120CM

Materials & Colors

|               |      |
|---------------|------|
| Product color | Gray |
| Housing color | Gray |

|                                            |                    |
|--------------------------------------------|--------------------|
| Body material                              | Plastic            |
| Cover material                             | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C             |
| Mercury content                            | 0.0 mg             |

### Application & Mounting

|                                        |                             |
|----------------------------------------|-----------------------------|
| Ambient temperature range              | -20...+35 °C                |
| Temperature range at storage           | -20...+80 °C                |
| Type of connection                     | Terminal, 3-Pole (L, N, PE) |
| Type of protection                     | IP65                        |
| Protection class IK (shock resistance) | IK06                        |
| Dimmable                               | No                          |
| Mounting type                          | Surface                     |
| Mounting location                      | Ceiling                     |
| With light source                      | Yes                         |
| Replaceable light source               | No                          |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 30000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 30000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 30000 h               |
| 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                         | Motion       |
| Sensor technology                      | Microwave    |
| Sensor controlled switching time       | 5 s...10 min |
| Detection range of motion sensor       | 4...10 m     |
| Detection threshold of daylight sensor | 0...30 lx    |

### Certificates & Standards

|                                                      |           |
|------------------------------------------------------|-----------|
| Standards                                            | CE / UKCA |
| Luminaire with limited surface temperature, "D sign" | No        |

### Additional product data

|                       |   |
|-----------------------|---|
| Number of illuminants | 1 |
|-----------------------|---|

---

## EQUIPMENT / ACCESSORIES

- Motion Sensor is included in the Submarine Housing. Should work with every LED Tube
- 

### Safety advice

- All electrical connections must be made by a qualified person.
  - Caution, risk of electric shock.
  - Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.
- 

## DOWNLOAD DATA

| Documents and certificates                                                        |                                        | Document name               |
|-----------------------------------------------------------------------------------|----------------------------------------|-----------------------------|
|   | User instruction / safety instructions | SUBMARINE SEN 120 150 60 CM |
|   | Declarations of conformity             | SUBMARINE LED               |
|  | Declarations of conformity UKCA        | Fixed LUM                   |

---

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075576391 | Folding box<br>1             | 77 mm x 71 mm x 1,265 mm             | 1 199.00 g   | 6.92 dm <sup>3</sup>  |
| 4058075576407 | Shipping box<br>9            | 1,282 mm x 236 mm x 265 mm           | 1 1380.00 g  | 80.18 dm <sup>3</sup> |

---

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.

---