

## PRODUCT DATASHEET

### Submarine Sensor 60cm 8W 4000K

Submarine sensor | Damp-proof luminaire with built in motion sensor

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#### Areas of application

- Basements, garages, warehouses
- For indoor use only



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#### 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

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#### 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	8.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Total harmonic distortion	≤ 20 %
Protection class	I
Operating mode	Mains voltage

Photometrical data

Luminous flux	650 lm
Total luminous flux of contained light sources	800 lm
Luminous efficacy	80 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	651.00 mm
Width	66.00 mm
Height	75.00 mm
Product weight	650.00 g

SUBMARINE SEN 60CM 1X7W 840  
GR

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
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
Lifespan L90/B10 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

### Certificates & Standards

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

### Additional product data

Number of illuminants	1
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### 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
	Legal information	Safety insert G11219578
	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
4099854429057	Folding box 1	77 mm x 71 mm x 660 mm	738.00 g	3.61 dm <sup>3</sup>
4099854429064	Shipping box 10	670 mm x 161 mm x 420 mm	8202.00 g	45.31 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

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