PRODUCT DATASHEET
Submarine 1 x 19W 4000K

SUBMARINE® | Damp-proof luminaires for LED tubes

Areas of application

- Basements, garages, warehouses
- For indoor use only

Product benefits

- Energy savings of up to 65 % comp. to luminaires using T8 fluorescent lamps on CCG
- Easy installation thanks to improved space for mounting brackets and easy to open tray
- Quick and easy lamp replacement
- Extremely break resistant SubstiTUBE Star PC LED-Tube included
- Good, even illumination

Product features

- Damp-proof luminaire with LED tube for mains voltage operation
- Durable and energy-saving LED luminaire
- Dust-protected and jet-proof (IP65)
- Mercury-free and RoHS compliant
- M20 cable gland for 8-12 mm cables
- Not dimmable

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TECHNICAL DATA

Electrical data

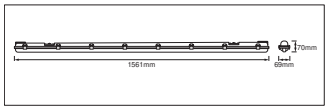
Nominal wattage	19.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	90.000 mA
Total harmonic distortion	≤ 20 %
Protection class	I

Photometrical data

Luminous flux	2050 lm
Total luminous flux of contained light sources	2200 lm
Luminous efficacy	107 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥80
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	≤ 1
Photobiological safety group acc. to EN62778	RG0
Beam angle	140 °

Dimensions & Weight

Length	1561.00 mm
Width	66.00 mm
Height	75.00 mm
Product weight	1280.00 g



Materials & Colors

Product color	Gray
Housing color	Gray

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Body material	Acrylonitrile butadiene styrene (ABS)
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
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
Application environment	Indoor
With light source	Yes
Holder designation	G13

Lifespan

Lifespan L70/B50 at 25 °C	30000 h [1)]
Number of switching cycles	100000

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

Additional product data

Number of illuminants	1

EQUIPMENT / ACCESSORIES

– SubstiTUBE STAR PC EM are delivered with the product

DOWNLOAD DATA

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	Documents and certificates
PDF	User instruction
PDF	Declarations Of Conformity CE
PDF	Declarations Of Conformity UKCA

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075303966	Folding box 1	77 mm x 71 mm x 1,565 mm	1384.00 g	8.56 dm^3
4058075303973	Shipping box 6	1,582 mm x 235 mm x 182 mm	9535.00 g	67.66 dm^3

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.

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