

# PRODUCT DATASHEET Submarine Recycled Plastic 150 1 X 20W 840 G13 T8

SUBMARINE PCR | Damp-proof luminaires



#### 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
- Very efficient Energy Label D Lamp tube made of glass to further reduce the use of conventional environmental harmful plastics
- Made of recycled plastics, the lamp contributes to the reduction of CO2 emissions and landfill waste

#### **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
- Minimum 50 % of recycled plastic (out of total plastic weight) used



840 G13 T8

# TECHNICAL DATA

# Electrical data

Nominal wattage	20.00 W
Nominal voltage	220240 V
Mains frequency	5060 Hz
Nominal current	90.000 mA
Inrush current time T <sub>h50</sub>	484 µs
Max. number of luminaires per miniature circuit breaker B16	12
Max. number of luminaires per miniature circuit breaker C10	12
Max. number of luminaires per miniature circuit breaker C16	20
Power factor $\lambda$	> 0.90
Total harmonic distortion	< 20 %
Protection class	П
Operating mode	Mains voltage

# Photometrical data

Luminous flux	2300 lm
Total luminous flux of contained light sources	3100 lm
Luminous efficacy	115 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤5 sdcm
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °
UGR	< 25

# Dimensions & Weight

Length	1585.00 mm
Width	65.00 mm
Height	70.00 mm
Product weight	1094.00 g



# Materials & Colors

Product color	White
Housing color	White
Body material	Polycarbonate (PC)
Cover material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C

# **Application & Mounting**

Ambient temperature range	-20+40 °C
Type of connection	Terminal, 3-Pole (L, N, PE)
Type of protection	IP65
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Surface
Application environment	Indoor
With light source	Yes
Replaceable light source	No

# Lifespan

Lifespan L70/B50 at 25 °C	40000 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)

# Certificates & Standards

Standards	CE / UKCA / EAC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

# Additional product data

Product remark	Maximum tube wattage: 24 W
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Nu	mber of illuminants	1	
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#### **EQUIPMENT / ACCESSORIES**

- Energy Class D LED TUBE T8 EM P is delivered with the product

#### Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

# DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	SUBMARINE PCR
PDF	Legal information	Safety insert G11219279
PDF	Declarations of conformity	CE Declaration SUBMARINE PCR 60/120/150 840 G13 T8
PDF	Declarations of conformity UKCA	UKCA Declaration SUBMARINE PCR 60/120/150 840 G13 T8

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854462573	Folding box	68 mm x 1,572 mm x 75 mm	1280.00 g	8.02 dm <sup>3</sup>
4099854462580	Shipping box 6	1,592 mm x 224 mm x 175 mm	7680.00 g	62.41 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.