

PRODUCT DATASHEET

Submarine Recycled Plastic 120 2 X 13.5W 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



TECHNICAL DATA

Electrical data

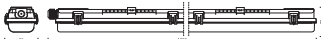
Nominal wattage	27.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	120.000 mA
Inrush current time T _{h50}	483 µs
Max. number of luminaires per miniature circuit breaker B16	15
Max. number of luminaires per miniature circuit breaker C10	16
Max. number of luminaires per miniature circuit breaker C16	25
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	Mains voltage

Photometrical data

Luminous flux	3100 lm
Total luminous flux of contained light sources	4200 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 sdcn
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °
UGR	< 25

Dimensions & Weight

Length	1280.00 mm
Width	95.00 mm
Height	70.00 mm
Product weight	1295.00 g



SUBMARINE PCR 120 2X13.5W
840 G13T8

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

Additional product data

Product remark	Maximum tube wattage: 2x17 W
----------------	------------------------------

Number of illuminants	2
-----------------------	---

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
 User instruction / safety instructions	SUBMARINE PCR
 Legal information	Safety insert G11219279
 Declarations of conformity	CE Declaration SUBMARINE PCR 60/120/150 840 G13 T8
 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
4099854462535	Folding box 1	98 mm x 1,272 mm x 75 mm	1473.00 g	9.35 dm ³
4099854462542	Shipping box 6	1,292 mm x 215 mm x 250 mm	8840.00 g	69.45 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.