

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	220240 V	
Mains frequency	5060 Hz	
Nominal current	120.000 mA	
Inrush current	0.12 A	
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 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 sdcm
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
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



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

Additional product data

Number of illuminants	2
Added function	Natureloop

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	Legal Insert	
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
4058075831056	Folding box 1	75 mm x 100 mm x 1,278 mm	1173.00 g	9.59 dm ³
4058075831063	Shipping box 6	1,292 mm x 215 mm x 250 mm	8070.00 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.