

Product datasheet

ST8PRO-EM 12.1 W/840 1100 mm

SubstiTUBE PRO EM | High performance LED tubes for electromagnetic control gears (CCG),
shatterproof



Technical data

Electrical data

Rated wattage	12.10 W
Operating frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	79
Max. lamp no. on circuit break. 16 A (B)	126
Nominal wattage	12.10 W
Nominal voltage	220...240 V
Nominal current	0.057 A
Claimed equiv. conventional lamp power	38 W

Photometrical data

Standard deviation of color matching	≤5 sdc _m
Rated luminous flux	2000 lm
Nominal luminous flux	2000 lm
Rated color temperature	4000 K
Color rendering index Ra	83
Color temperature	4000 K
Light color (designation)	Cool White
Luminous flux	2000 lm
Lumen main.fact.at end of nom.life time	0.70

Light technical data

Beam angle	190 °
Starting time	< 0.5 s

Dimensions & weight



Product weight	164.00 g
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Length	1061 mm
Outer bulb	T8
Overall length	1061 mm
Diameter	26.7 mm

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
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Lifespan

Nominal lamp life time	60000 h
Rated lamp life time	60000 h
Lumen maintenance at end of service life	0.70
Number of switching cycles	200000

Additional product data

Appropriate disposal acc. to WEEE	Yes
Successor EAN	4058075612235
Mercury content	0.0 mg
Mercury-free	Yes
Base (standard designation)	G13
Predecessor EAN	4058075454163

Capabilities

Dimmable	No
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Certificates & standards

Energy efficiency class	C
Energy consumption	13 kWh/1000h
Type of protection	IP20

Country specific categorizations

Order reference	ST8PRO-1M 12,1W
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	18-04-2022
Primary Article Identifier	4058075454163 4058075612235
Declaration No. in SCIP database	In work

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Equipment / Accessories

- Suitable for operation with low-loss and conventional control gears

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075612235	ST8PRO-EM 12.1 W/840 1100 mm	Shipping carton box 10 Pieces Sleeves	1195 mm x 210 mm x 115 mm	28.86 dm ³	2634.00 g

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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