Product family datasheet
SubstiTUBE PRO EM

High performance LED tubes for electromagnetic control gears (CCG), shatterproof



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Technical data

	Electrical data						
Product description	**Operating frequency**	**Claimed equiv. conventional lamp power**	**Nominal current**	**Nominal voltage**	**Nominal wattage**	**Rated wattage**	**Max. lamp no. on circuit break. 16 A (B)**
ST8PRO-EM 10.3 W/840 900 mm	50…60 Hz	30 W	49 mA				
ST8PRO-EM 12.7 W/840 1200 mm	50…60 Hz	36 W	60 mA				
ST8PRO-EM 12.1 W/840 1100 mm	50…60 Hz	38 W	0.057 A	220…240 V	12.10 W	12.10 W	126

		Photometrical data					
Product description	**Max. lamp no. on circuit break. 10 A (B)**	**Light color (designation)**	**Lumen main.fact.at end of nom.life time**	**Color temperature**	**Rated luminous flux**	**Standard deviation of color matching**	**Color rendering index Ra**
ST8PRO-EM 10.3 W/840 900 mm		Cool White					
ST8PRO-EM 12.7 W/840 1200 mm		Cool White					
ST8PRO-EM 12.1 W/840 1100 mm	79	Cool White	0.70	4000 K	2000 lm	≤5 sdcm	83

		Light technical data		Dimensions & weight			
Product description	**Nominal luminous flux**	**Beam angle**	**Starting time**	**Product weight**	**Overall length**	**Outer bulb**	**Length**
ST8PRO-EM 10.3 W/840 900 mm		190 °		144.00 g	908.00 mm		
ST8PRO-EM 12.7 W/840 1200 mm		190 °		183.00 g	1212.00 mm		
ST8PRO-EM 12.1 W/840 1100 mm	2000 lm	190 °	< 0.5 s	164.00 g	1061 mm	T8	1061 mm

		Temperatures & operating conditions	Lifespan				Additional product data
Product description	**Diameter**	**Ambient temperature range**	**Lumen maintenance at end of service life**	**Number of switching cycles**	**Rated lamp life time**	**Nominal lamp life time**	**Mercury-free**
ST8PRO-EM 10.3 W/840 900 mm		-20…+50 °C	0.7				Yes
ST8PRO-EM 12.7 W/840 1200 mm		-20…+50 °C	0.7				Yes

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		Temperatures & operating conditions	Lifespan				Additional product data
Product description	**Diameter**	**Ambient temperature range**	**Lumen maintenance at end of service life**	**Number of switching cycles**	**Rated lamp life time**	**Nominal lamp life time**	**Mercury-free**
ST8PRO-EM 12.1 W/840 1100 mm	26.7 mm	-20…+50 °C	0.70	200000	60000 h	60000 h	Yes

				Certificates & standards			Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)
Product description	**Predecessor EAN**	**Successor EAN**	**Base (standard designation)**	**Energy consumption**	**Energy efficiency class**	**Type of protection**	**Date of Declaration**
ST8PRO-EM 10.3 W/840 900 mm	4058075454125	4058075612198		11.00 kWh/1000h	C		25-07-2022
ST8PRO-EM 12.7 W/840 1200 mm	4058075454200	4058075612273		13.00 kWh/1000h	C		18-04-2022
ST8PRO-EM 12.1 W/840 1100 mm	4058075454163	4058075612235	G13	13 kWh/1000h	C	IP20	18-04-2022

Product description	**Primary Article Identifier**	**Declaration No. in SCIP database**
ST8PRO-EM 10.3 W/840 900 mm	4058075454125 | 4058075612198	In work
ST8PRO-EM 12.7 W/840 1200 mm	4058075454200 | 4058075612273	In work
ST8PRO-EM 12.1 W/840 1100 mm	4058075454163 | 4058075612235	In work

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ST8PRO-EM 10.3 W/840 900 mm,
ST8PRO-EM 12.7 W/840 1200 mm,
ST8PRO-EM 12.1 W/840 1100 mm

Equipment / Accessories

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

Application advice

For more detailed application information and graphics please see product datasheet.

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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
4058075454125	ST8PRO-EM 10.3 W/840 900 mm	Shipping carton box 10	1048 mm x 210 mm x 115 mm	25.31 dm^3	2298.00 g
4058075612198	ST8PRO-EM 10.3 W/840 900 mm	Shipping carton box 10	1048 mm x 210 mm x 115 mm	25.31 dm^3	2298.00 g
4058075612273	ST8PRO-EM 12.7 W/840 1200 mm	Shipping carton box 10	1352 mm x 210 mm x 115 mm	32.65 dm^3	2809.00 g
4058075612235	ST8PRO-EM 12.1 W/840 1100 mm	Shipping carton box 10	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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