

PRODUCT DATASHEET ST8E-EM 16 W/4000 K 1200 mm

LED TUBE T8 ENTRY EM | LED tubes for electromagnetic control gear (CCG)



Product benefits

- No bending thanks to glass technology
- Quick, simple and safe replacement without rewiring
- $-\,$ Energy savings of up to 65 % (compared to T8 fluorescent lamp on CCG)
- Instant-on light, therefore ideally suitable in combination with sensor technology
- Also suitable for operation at low temperatures

Product features

- T8 LED tube made of glass with G13 base
- Mercury-free and RoHS compliant
- Type of protection: IP20



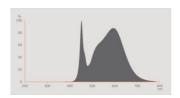
TECHNICAL DATA

Electrical data

Nominal wattage	16 W
Construction wattage	16.00 W
Nominal voltage	220240 V
Nominal current	130 mA
Type of current	AC
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Total harmonic distortion	< 150 %

Photometrical data

Luminous flux	1800 lm
Luminous efficacy	112 lm/W
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	> 80
Light color	840
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0.4



EPREL data spectral diagram PROF LEDr 4000K

Light technical data

Beam angle	190 °	
Dimensions & Weight		
Overall length	1200.00 mm	
Diameter	26.90 mm	

Product weight	190.00 g
Tomporatures 9 operating conditions	
Temperatures & operating conditions Ambient temperature range	-20+45 °C
Lifespan	
Lifespan L70/B50 at 25 °C	30000 h
Additional product data	
Base (standard designation)	G13
Mercury-free	Yes
Design / version	Frosted
Certificates & Standards	
Type of protection	IP20
Standards	CE / CB
Photobiological safety group acc. to EN62778	RG0
Country-specific categorizations	
Order reference	ST8E-1.2M 16W/8
LOGISTICAL DATA	
Temperature range at storage	-20+80 °C
Energy labelling regulation data acc EU 2019/2015	
Energy labelling regulation data acc EU 2019/2015 Lighting technology used	LED
	LED NDLS
Lighting technology used	
Lighting technology used Non-directional or directional	NDLS
Lighting technology used Non-directional or directional Mains or non-mains	NDLS MLS
Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface)	NDLS MLS G13
Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS)	NDLS MLS G13 No
Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source	NDLS MLS G13 No No
Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope	NDLS MLS G13 No No No
Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source	NDLS MLS G13 No No No No No
Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield	NDLS MLS G13 No No No No No No
Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield Standby power	NDLS MLS G13 No No No No No O NO O O O O O O O O O O
Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield Standby power Networked standby power for CLS	NDLS MLS G13 No No No No No OW OW

Height	26.90 mm
Width	26.90 mm
Chromaticity coordinate x	0.3818
Chromaticity coordinate y	0.3797
R9 Colour rendering index	>=0.00
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	>=0.7
LED light source replaces a fluorescent light source	Yes
EPREL ID	686635,2076147
Model number	AC32674,AC32674,AC66702

Safety advice

- Not suitable for operation with electronic control gear.
- Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

DOWNLOAD DATA

	Documents and certificates	Document name
POF	Declarations of conformity	LED tube

Photometric and lighting design files	Document name
Spectral power distribution	EPREL data spectral diagram PROF LEDr 4000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854075049	Sleeve 1	1,255 mm x 28 mm x 28 mm	209.00 g	1.01 dm ³
4099854075056	Shipping box 25	1,310 mm x 155 mm x 165 mm	6038.00 g	33.50 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.

References / Links

- For current information see www.ledvance.com/substitube

Legal advice

- When used to replace a T8 fluorescent lamp the total energy efficiency and light distribution depends on the design of the lighting system.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.