

PRODUCT DATASHEET ST8E-EM 8 W/6500 K 600 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





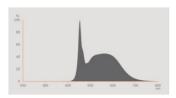
TECHNICAL DATA

Electrical data

Nominal wattage	8 W
Construction wattage	8.00 W
Nominal voltage	220240 V
Type of current	AC
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Total harmonic distortion	< 150 %
Power factor λ	> 0.50

Photometrical data

Luminous flux	900 lm
Nominal useful luminous flux 90°	900 lm
Luminous efficacy	112 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool Daylight
Color temperature	6500 K
Color rendering index Ra	≥80
Light color	865
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0.4



EPREL data spectral diagram PROF LEDr 6500K

Light technical data

Beam angle	360 °
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Warm-up time (60 %)	√0.50 s
Starting time	< 0.5 s
Dimensions & Weight	
Overall length	602.00 mm
Diameter	26.90 mm
Maximum diameter	27 mm
Product weight	100.00 g
Femperatures & operating conditions	
Ambient temperature range	-20+45 °C
ifespan	
Lifespan L70/B50 at 25 °C	30000 h
Number of switching cycles	50000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90
Additional product data	
Base (standard designation)	G13
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted
Capabilities	
Dimmable	No
Certificates & Standards	
Energy efficiency class	E
Energy consumption	8.00 kWh/1000h
Type of protection	IP20
Standards	CE / CB

Country-specific categorizations

Photobiological safety group acc. to EN62778

Order reference	ST8E-0.6M 8W/86

RG0

LOGISTICAL DATA

Temperature range at storage	-20+80 °C
Energy labelling regulation data acc EU 2019/2015	
Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	G13
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	o W
Networked standby power for CLS	o W
Claim of equivalent power	Yes
Length	602.00 mm
Height	26.90 mm
Width	26.90 mm
Chromaticity coordinate x	0.3123
Chromaticity coordinate y	0.3282
R9 Colour rendering index	>=0.00
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	>=0.5
LED light source replaces a fluorescent light source	Yes
EPREL ID	686634,2076159
Model number	AC32673,AC32673,AC66700

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 6500K		

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854075025	Sleeve 1	655 mm x 28 mm x 28 mm	119.00 g	0.52 dm ³
4099854075032	Shipping box 25	710 mm x 155 mm x 165 mm	3480.00 g	18.16 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.