

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



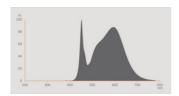
TECHNICAL DATA

Electrical data

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

Photometrical data

Luminous flux	1800 lm		
Luminous efficacy	112 lm/W		
Light color (designation)	Cool White 4000 K		
Color temperature			
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

Dimensions & Weight

Overall length	1200.00 mm
Diameter	26.90 mm
Product weight	190.00 g

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		
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		
Standby power	0 W		
Networked standby power for CLS	0 W		
Claim of equivalent power	Yes		
Length	1200.00 mm		
Height	26.90 mm		
	26.90 mm		
Width	26.90 mm 26.90 mm		

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

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	
PDF	Declarations of conformity	LED tube	
	Photometric and lighting design files	Document name	
	Photometric and lighting design lifes	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 li	ght distribution	depends on the	design of the lighting systen	٦.

DISCLAIMER

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