

# PRODUCT DATASHEET ST8E-EM 16 W/3000 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





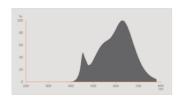
## TECHNICAL DATA

#### Electrical data

Nominal wattage	16 W
Nominal voltage	220240 V
Nominal current	130 mA
Type of current	AC
Total harmonic distortion	< 30 %
Power factor $\lambda$	0.50

## Photometrical data

Luminous flux	1620 lm
Luminous efficacy	101 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	> 80
Light color	830
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0.4



LISO spectral power distribution 3000K CRI80 v1

# Light technical data

Beam angle		360 °	
Dimensions & Weight			
	Overall length	1200.00 mm	
	Diameter	26.90 mm	

Product weight	190.00 g				
Lifespan					
Lifespan L70/B50 at 25 °C	30000 h				
Number of switching cycles	50000				
Additional product data					
Base (standard designation)	G13				
Mercury-free	Yes				
Design / version	Frosted				
Capabilities					
Dimmable	No				
Certificates & Standards					
Energy efficiency class	F				
Energy consumption	16.00 kWh/1000h				
Type of protection	IP20				
Photobiological safety group acc. to EN62778	RG1				
Country-specific categorizations					
Order reference	ST8E-1.2M 16W/8				
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	0 W				
Networked standby power for CLS	0 W				
Claim of equivalent power	Yes				

1200.00 mm

Length

Height	26.90 mm 26.90 mm 0,434		
Width			
Chromaticity coordinate x			
Chromaticity coordinate y	0,403		
R9 Colour rendering index	> 0 SPHERE_360		
Beam angle correspondence			
Survival factor	0.9		
Displacement factor	0.7		
LED light source replaces a fluorescent light source	Yes		
EPREL ID	2076162		
Model number	AC66704,AC66704		

## 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	
	Spectral power distribution	LISO spectral power distribution 3000K CRI80 v1	

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	ging unit (Pieces/Unit) Dimensions (length x width x height)		Volume
4099854391873	Sleeve 1	1,255 mm x 28 mm x 28 mm	209.00 g	1.01 dm <sup>3</sup>
4099854391880	Shipping box 25	1,310 mm x 155 mm x 165 mm	6039.00 g	33.50 dm <sup>3</sup>

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 curren	t 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.