

PRODUCT DATASHEET ST8E-EM 20 W/4000 K 1500 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



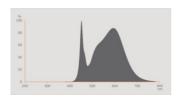
TECHNICAL DATA

Electrical data

Nominal wattage	20 W		
Construction wattage	20.00 W 220240 V 150 mA AC 5060 Hz		
Nominal voltage			
Nominal current			
Type of current			
Operating frequency			
Mains frequency	5060 Hz		
Total harmonic distortion	< 150 %		

Photometrical data

Luminous flux	2300 lm		
Luminous efficacy	115 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

Dimensions & Weight

Overall length	1513.00 mm		
Diameter	26.90 mm		
Product weight	230.00 g		

Temperatures & operating conditions

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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-1.5M 20W/8				
Temperature range at storage	-20+80 °C				
Energy labelling regulation data acc EU 2019/2015					
Lighting technology used	LED NDLS				
Non-directional or directional					
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	1513.00 mm 26.90 mm 26.90 mm				
Height					
Width					
Chromaticity coordinate x	0.3818				

Chromaticity coordinate y	0.3797 >=0.00 SPHERE_360			
R9 Colour rendering index				
Beam angle correspondence				
Survival factor	0.9			
Displacement factor	>=0.7 Yes			
LED light source replaces a fluorescent light source				
EPREL ID	686637,2076156			
Model number	AC32676,AC32676,AC66705			

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	EPREL data spectral diagram PROF LEDr 4000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854075087	Sleeve 1	1,555 mm x 28 mm x 28 mm	249.00 g	1.25 dm ³
4099854075094 Shipping box 25		1,610 mm x 155 mm x 165 mm	7189.00 g	41.18 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 e	efficiency and light	distribution depends	on the design of the liq	ghting system.

DISCLAIMER

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