

PRODUCT DATASHEET ST8E-AC 20 W/4000 K 1500 mm

LED TUBE T8 ENTRY AC | LED tubes for AC mains



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



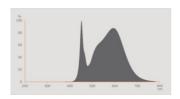
TECHNICAL DATA

Electrical data

Nominal wattage	20 W				
Construction wattage	20.00 W				
Nominal voltage	220240 V				
Nominal current	150 mA				
Type of current	AC				
Operating frequency	5060 Hz				
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

Light technical data

Beam angle	190 °		
Dimensions & Weight			
Overall length	1513.00 mm		
Diameter	26.90 mm		

Product weight	230.00 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-1.5M 20W/8					
LOGISTICAL DATA						
Temperature range at storage	-20+80 °C					
	-20+80 °C					
Temperature range at storage	-20+80 °C					
Temperature range at storage Energy labelling regulation data acc EU 2019/2015						
Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used	LED					
Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional	LED NDLS					
Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains	LED NDLS MLS					
Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface)	LED NDLS MLS G13					
Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS)	LED NDLS MLS G13 No					
Temperature range at storage Energy labelling regulation data acc EU 2019/2015 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	LED NDLS MLS G13 No					
Energy labelling regulation data acc EU 2019/2015 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	LED NDLS MLS G13 No No					
Energy labelling regulation data acc EU 2019/2015 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	LED NDLS MLS G13 No No No No					
Temperature range at storage Energy labelling regulation data acc EU 2019/2015 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	LED NDLS MLS G13 No No No No No No					
Temperature range at storage Energy labelling regulation data acc EU 2019/2015 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	LED NDLS MLS G13 No No No No No O NO O O O O O O O O O O					

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	686643,2076154				
Model number	AC32682,AC32682,AC66714				

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
4099854075209	Sleeve 1	1,555 mm x 28 mm x 28 mm	249.00 g	1.22 dm ³
4099854075216	Shipping box 25	1,570 mm x 155 mm x 165 mm	7189.00 g	40.15 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 c	current	information	see	www.l	ledvar	ice.c	:om/	substitube
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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.