

# 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



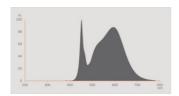
# TECHNICAL DATA

## 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

# 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				
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	1513.00 mm				
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 <sup>3</sup>
4099854075216 Shipping box 25		1,570 mm x 155 mm x 165 mm	7189.00 g	40.15 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 current information see www.ledvance.com/substitube

## Legal advice

-	When used to replace a	T8 fluorescent lamp	the total energy	efficiency and	l light distribution	depends on the	e design of the lighting systen	١.

## **DISCLAIMER**

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