

# PRODUCT DATASHEET ST8E-AC 8 W/4000 K 600 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



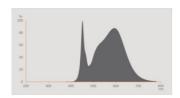
## TECHNICAL DATA

#### Electrical data

Nominal wattage	8 W	
Construction wattage	8.00 W	
Nominal voltage	220240 V	
Nominal current	65 mA	
Type of current	AC	
Operating frequency	5060 Hz	
Mains frequency	5060 Hz	
Total harmonic distortion	< 150 %	

## Photometrical data

Luminous flux	900 lm
Luminous efficacy	112 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	602.00 mm
Diameter	26.90 mm

Product weight	100.00 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-0.6M 8W/84
LOGISTICAL DATA	
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
Connected light source (CLS)  Color-tuneable light source	No No
Color-tuneable light source	No
Color-tuneable light source  Envelope	No No
Color-tuneable light source  Envelope  High luminance light source	No No No
Color-tuneable light source  Envelope  High luminance light source  Anti-glare shield	No No No No
Color-tuneable light source  Envelope  High luminance light source  Anti-glare shield  Standby power	No No No No O W
Color-tuneable light source  Envelope  High luminance light source  Anti-glare shield  Standby power  Networked standby power for CLS	No No No No O W O W

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	>=0.5	
LED light source replaces a fluorescent light source	Yes	
EPREL ID	686639,2076157	
Model number	AC32678,AC32678,AC66708	

## 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
POF	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
4099854075124	Sleeve 1	610 mm x 28 mm x 28 mm	131.00 g	0.49 dm <sup>3</sup>
4099854075131	Shipping box 25	660 mm x 155 mm x 165 mm	3731.00 g	16.88 dm³

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

<ul> <li>For current information see www.ledvance.com/substitul</li> </ul>	stitube	vance.com/	www.ledv	see	information	current	<ul><li>For</li></ul>
--	---------	------------	----------	-----	-------------	---------	-----------------------

## 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.