

PRODUCT DATASHEET ST8E-AC 8 W/6500 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



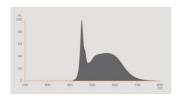
TECHNICAL DATA

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 Daylight
Color temperature	6500 K
Color rendering index Ra	≥80
Light color	865
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0.4



EPREL data spectral diagram PROF LEDr 6500K

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/86			
Order reference	310E-U.0IVI 0VV/00			
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			
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	602.00 mm			
Height	26.90 mm 26.90 mm			
Width				

0.3123

Chromaticity coordinate x

Chromaticity coordinate y	0.3282
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	686640,2076153
Model number	AC32679,AC32679,AC66709

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 6500K	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854075148	Sleeve 1	610 mm x 28 mm x 28 mm	131.00 g	0.49 dm ³
4099854075155	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

- For current information see www.ledvance.com/substitube

Legal advice

_	When used to replace a	T8 fluorescent lamp	the total energy eff	ficiency and light di	stribution 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.