

PRODUCT DATASHEET ST8E-AC 16 W/4000 K 1200 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



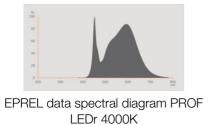
TECHNICAL DATA

Electrical data

Nominal wattage	16 W
Construction wattage	16.00 W
Nominal voltage	220240 V
Nominal current	130 mA
Type of current	AC
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Total harmonic distortion	< 150 %

Photometrical data

Luminous flux	1800 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



Light technical data

Beam angle	190 °
Dimensions & Weight	
Overall length	1200.00 mm
Diameter	26.90 mm

Product weight	190.00 g		
Temperatures & operating conditions			
	22 45 22		
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-1.2M 16W/8		
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		
Standby power Networked standby power for CLS	0 W 0 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	>=0.7
LED light source replaces a fluorescent light source	Yes
EPREL ID	686641,2076151
Model number	AC32680,AC32680,AC66711

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	
1	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
4099854075162	Sleeve 1	1,220 mm x 28 mm x 28 mm	209.00 g	0.98 dm ³
4099854075179	Shipping box 25	1,270 mm x 155 mm x 165 mm	6147.00 g	32.48 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 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.