

PRODUCT DATASHEET ST8E-AC 16 W/6500 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



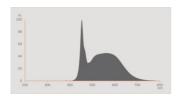
TECHNICAL DATA

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 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	1212.00 mm
Diameter	26.90 mm
Product weight	190.00 g

Temperatures & operating conditions

-20+45 °C				
30000 h				
G13				
Yes				
Frosted				
IP20				
CE / CB				
RG0				
ST8E-1.2M 16W/8				
-20+80 °C				
LED				
NDLS				
MLS				
G13				
No				
0 W				
0 W				
Yes				
1212.00 mm				
26.90 mm 26.90 mm 0.3123				

Chromaticity coordinate y	0.3282	
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	686642,2076148	
Model number	AC32681,AC32681,AC66712	

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
4099854075186	Sleeve 1	1,220 mm x 28 mm x 28 mm	209.00 g	0.98 dm ³
4099854075193	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 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.