

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



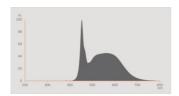
TECHNICAL DATA

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

Light technical data

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

Product weight	190.00 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-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				
A 22 1 1 1 1 1 1					
Anti-glare shield	No				
Anti-glare shield Standby power	No 0 W				
Standby power	0 W				

Height	26.90 mm				
Width	26.90 mm				
Chromaticity coordinate x	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 c	current	information	see	www.l	ledvar	ice.c	:om/	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.