

PRODUCT DATASHEET ST8E-AC 20 W/3000 K 1500 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





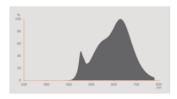
TECHNICAL DATA

Electrical data

Nominal wattage	20 W
Construction wattage	20.00 W
Nominal voltage	220240 V
Nominal current	150 mA
Type of current	AC
Total harmonic distortion	< 30 %
Power factor λ	0.50

Photometrical data

Luminous flux	2070 lm
Luminous efficacy	103 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	> 80
Light color	830
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0.4



LISO spectral power distribution 3000K CRI80 v1

Light technical data

Overall length

Beam angle	360 °
Dimensions & Weight	

1500.00 mm

August 02, 2025, 23:03:25
ST8E-AC 20 W/3000 K 1500 mm

Lifespan L70/B50 at 25 °C Number of switching cycles 50000 Additional product data Base (standard designation) Mercury-free Yes Design / version Frosted Capabilities Dimmable No Certificates & Standards Energy efficiency class Energy consumption Type of protection IP20 Photobiological safety group acc. to EN62778 RG1 Country-specific categorizations Order reference ST8E-1.5M 20W/8		
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Lifespan L70/B50 at 25 °C Number of switching cycles 50000 Additional product data Base (standard designation) Are compared to the standard designation of the standard desig	Product weight	230.00 g
Number of switching cycles Additional product data Base (standard designation) Mercury-free Yes Pesign / version Capabilities Dimmable No Certificates & Standards Energy efficiency class Energy consumption 20.00 kWh/1000h Type of protection IP20 Photobiological safety group acc. to EN62778 RG1 Country-specific categorizations Order reference ST8E-1.5M 20W/8 Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains MLS Light source cap-type (or other electric interface) Connected light source (CLS) No High luminance light source Energy in No High luminance light source Anti-glare shield No Correlated colour temperature type Standby power OW	Lifespan	
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Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0 W	Envelope	No
Correlated colour temperature type SINGLE_VALUE Standby power 0 W	High luminance light source	No
Standby power 0 W	Anti-glare shield	No
	Correlated colour temperature type	SINGLE_VALUE
Networked standby power for CLS 0 W	Standby power	0 W
	Networked standby power for CLS	0 W

Yes

Claim of equivalent power

Length	1500.00 mm
Height	26.90 mm
Width	26.90 mm
Chromaticity coordinate x	0,434
Chromaticity coordinate y	0,403
R9 Colour rendering index	>0
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	0.7
LED light source replaces a fluorescent light source	Yes
EPREL ID	2076146
Model number	AC66716,AC66716

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	LISO spectral power distribution 3000K CRI80 v1	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854391934	Sleeve 1	1,555 mm x 28 mm x 28 mm	249.00 g	1.25 dm ³
4099854391941	Shipping box 25	1,610 mm x 155 mm x 165 mm	7190.00 g	41.18 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.