

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



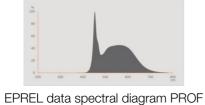
TECHNICAL DATA

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 PRC LEDr 6500K

Light technical data

| Beam angle | 190 ° | |
|---------------------|-----------|--|
| Dimensions & Weight | | |
| Overall length | 602.00 mm | |

| Diameter | 26.90 mm |
|----------|----------|

| Temperatures & operating conditions Antioint temperature range 20445 °C Lifespan 30000 h Lifespan L70/B50 at 25 °C 30000 h Additional product data 30000 h Base (standard designation) G13 Menoury-free Yes Design / variation Frosted Cartificates & Standards Frosted Type of protection IP20 Standards CF / C8 Photosologioni seriety group aco. to ENRI2778 BC0 Country-specific categorizations Coll Order reference ST8=-0.6M BW/86 LOGISTICAL DATA LD Temperature range at storage 20480 °C Engry labeling regulation data acc EU 2019/2015 Lighting teomology used Lighting teomology used LED Non-directional or directional NDLS Mesis or non-mains MLS Light source (CLS) No Color-uncatabilight source No Frendege shield No Consolid light source No Carting as shield | Product weight | 100.00 g | | |
|---|---|-----------------|--|--|
| Lifespen Lifespen L70/BS0 at 25 °C Additional product data Bese (standard desgnation) Mercury-free Ves Design / version Frostned Contrilicates & Standards Type of protection Standards Certificates & Standards Type of protection Standards Certificates & Standards Contry-specific categorizations Order reference Standards Contry-specific categorizations Order reference Statistication and statistication Ifering technology used LIGSTICAL DATA Temperature range at storage -20+80 °C Energy labelling regulation data acc EU 2019/2015 Lighting technology used LED Non-directional or directonal NDLS Mains or non-mains MLS Light source cap-type (or other electric interface) G13 Cornected light source No Coler-tunestie light source No Finelopie No Envelopie No <td colspan="4">Temperatures & operating conditions</td> | Temperatures & operating conditions | | | |
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| Lighting technology usedLEDNon-directional or directionalNDLSMains or non-mainsMLSLight source cap-type (or other electric interface)G13Connected light source (CLS)NoColor-tuneable light sourceNoEnvelopeNoHigh luminance light sourceNoAnti-glare shieldNoStandby powerO WNetworked standby power for CLSO WClaim of equivalent powerYes | Temperature range at storage | -20+80 °C | | |
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| Light source cap-type (or other electric interface)G13Connected light source (CLS)NoColor-tuneable light sourceNoEnvelopeNoHigh luminance light sourceNoAnti-glare shieldNoStandby powerO WNetworked standby power for CLSO WClaim of equivalent powerYes | Non-directional or directional | NDLS | | |
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| EnvelopeNoHigh luminance light sourceNoAnti-glare shieldNoStandby power0 WNetworked standby power for CLS0 WClaim of equivalent powerYes | Connected light source (CLS) | 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 | Color-tuneable light source | No | | |
| Anti-glare shield No Standby power 0 W Networked standby power for CLS 0 W Claim of equivalent power Yes | Envelope | No | | |
| Standby power 0 W Networked standby power for CLS 0 W Claim of equivalent power Yes | High luminance light source | No | | |
| Networked standby power for CLS 0 W Claim of equivalent power Yes | Anti-glare shield | No | | |
| Claim of equivalent power Yes | Standby power | 0 W | | |
| | Networked standby power for CLS | 0 W | | |
| Length 602.00 mm | Claim of equivalent power | Yes | | |
| | Length | 602.00 mm | | |

| 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 | >=0.5 |
| 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 | |
| 1 | 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 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.