# PRODUCT DATASHEET
# ST8AU-CON 16 W/4000 K 1200 mm

**SubstiTUBE Connected | LED tubes for electromagnetic control gears**




## AREAS OF APPLICATION

- General illumination within ambient temperatures from −20…+50 °C
- Illumination of production areas
- Corridors, stairways, parking garages
- Supermarkets and department stores
- Warehouses

## PRODUCT BENEFITS

- Energy savings of up to 90 % compared to conventional fluorescent lamp
- Quick, simple and safe replacement of fluorescent lamps without rewiring the CCG
- Very high resistance to switching loads
- Also suitable for operation at low temperatures
- Extremely break resistant thanks to cover made of polycarbonate
- High luminous flux for sophisticated lighting tasks
- No laptop, tablet or smartphone needed to setup the system parameter
- Excellent performance: up to 3600 lm at 150 lm/W

## PRODUCT FEATURES

- LED alternative to classic T8 fluorescent lamps in CCG luminaires
- Lifetime: up to 50,000 h
- Mercury-free and RoHS compliant
- Type of protection: IP20




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- 230 V line voltage operation
- Connected tube can be only operated with Connected sensor
- For especially uniform illumination

## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| **Rated wattage** | 16.00 W |
| **Nominal voltage** | 220…240 V |
| **Operating frequency** | 50…60 Hz |
| **Nominal wattage** | 16.00 W |
| **Nominal current** | 0.075 A |
| **Type of current** | AC |
| **Power factor λ** | > 0.90 |

### Photometrical data

| | |
|---|---|
| **Rated color temperature** | 4000 K |
| **Nominal luminous flux** | 2400 lm |
| **Rated luminous flux** | 2400 lm |
| **Lumen main.fact.at end of nom.life time** | 0.70 |
| **Light color (designation)** | Cool White |
| **Color temperature** | 4000 K |
| **Luminous flux** | 2400 lm |
| **Color rendering index Ra** | >80 |
| **Standard deviation of color matching** | ≤4 sdcm |

### Light technical data

| | |
|---|---|
| **Starting time** | < 0.5 s |
| **Warm-up time (60 %)** | < 0.50 s |
| **Rated beam angle (half peak value)** | 180.00 ° |


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## Dimensions & weight



| | |
|---|---|
| **Length with base excl. base pins/connection** | 1198.00 mm |
| **Tube diameter** | 27.3 mm |
| **Base diameter** | 27.3 mm |
| **Product weight** | 170.00 g |
| **Overall length** | 1213 mm |

## Temperatures & operating conditions

| | |
|---|---|
| **Ambient temperature range** | -20…+50 °C |

## Lifespan

| | |
|---|---|
| **Lifespan** | 50000 h |
| **Nominal lamp life time** | 50000 h |
| **Rated lamp life time** | 50000 h |
| **Number of switching cycles** | 200000 |

## Additional product data

| | |
|---|---|
| **Base (standard designation)** | G13 |
| **Mercury-free** | Yes |
| **Product remark** | When used to replace a T8 fluorescent lamp the total energy efficiency and light distribution depends on the design of the lighting system/Not usable in luminaires with serial lamp connection, i.e. more than one tube at one magnetic ballast (tandem circuitry) |

## Capabilities

| | |
|---|---|
| **Dimmable** | Yes |

## Certificates & standards

| | |
|---|---|
| **Type of protection** | IP20 |
| **Standards** | CE; VDE |
| **Energy efficiency class** | A++ |


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| | |
|---|---|
| **Energy efficiency class** | A++ |
| **Energy consumption** | 16 kWh/1000h |

### Country-specific categorizations

| | |
|---|---|
| **ILCOS** | DR-16/840-G13-27.5/1200 |
| **Order reference** | ST8AU-1.2M 16W/ |

### Logistical data

| | |
|---|---|
| **Temperature range at storage** | -20…80 °C |

## SAFETY ADVICE

Not suitable for operation with electronic control gear.

## LOGISTICAL DATA

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---|---|---|---|---|---|
| 4052899970557 | ST8AU-CON 16 W/4000 K 1200 mm | Shipping carton box 25 | 1335 mm x 166 mm x 182 mm | 40.33 $dm^3$ | 6710.00 g |

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.

## DISCLAIMER

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