Product datasheet

# ST8A-HF 21 W/840 1500 mm

SubstiTUBE Advanced HF | High performance LED tubes for electronic high frequency control gears




## Areas of application

- General illumination within ambient temperatures from −20...+50 °C
- Supermarkets and department stores
- Industry
- Offices, public buildings

## Product benefits

- Quick, simple and safe replacement without rewiring
- Also suitable for operation at low temperatures
- No bending thanks to glass technology

## Product features

- T8 LED tube made of glass with G13 base
- Mercury-free and RoHS compliant
- Type of protection: IP20
- Lifetime: up to 50,000 h




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Technical data

## Electrical data

| | |
|---|---|
| **Rated wattage** | 21.00 W |
| **Nominal wattage** | 21.00 W |
| **Nominal voltage** | 220…240 V |
| **Nominal current** | 0.125 A |
| **Type of current** | AC |
| **Power factor λ** | > 0.90 |

## Photometrical data

| | |
|---|---|
| **Rated luminous flux** | 3150 lm |
| **Rated lamp efficacy (standard condition)** | 150 lm/W |
| **Rated color temperature** | 4000 K |
| **Color rendering index Ra** | >80 |
| **Light color (designation)** | Cool White |
| **Standard deviation of color matching** | ≤4 sdcm |
| **Nominal luminous flux** | 3150 lm |
| **Lumen main.fact.at end of nom.life time** | 0.70 |

## Light technical data

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

## Dimensions & weight

| | |
|---|---|
| **Tube diameter** | 27.5 mm |
| **Base diameter** | 25.7 mm |
| **Product weight** | 335.00 g |
| **Overall length** | 1513 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 |


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## Additional product data

| | |
|---|---|
| **Base (standard designation)** | G13 |
| **Mercury-free** | Yes |

## Capabilities

| | |
|---|---|
| **Dimmable** | No |

## Certificates & standards

| | |
|---|---|
| **Type of protection** | IP20 |
| **Standards** | CE |
| **Energy efficiency class** | A++ |
| **Energy consumption** | 23 kWh/1000h |

## Country specific categorizations

| | |
|---|---|
| **ILCOS** | DR-21/840-G13-26/1500 |
| **Order reference** | ST8A-1.5M 21W/8 |

## Logistical data

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

## Safety advice

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.
Not suitable for operation with low-loss and conventional control gears

## Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---|---|---|---|---|---|
| 4052899956384 | ST8A-HF 21 W/840 1500 mm | Shipping carton box 25 Pieces Sleeves | 1637 mm x 166 mm x 182 mm | 49.46 $dm^3$ | 11566.00 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.

## References / Links

For current information see

- www.osram.com/substitube


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