

# PRODUCT DATASHEET ST8AU-EM 22.5 W/4000 K 1500 mm

SubstiTUBE Split Control Ultra Output EM | LED tubes for electromagnetic control gears



#### **AREAS OF APPLICATION**

- General illumination within ambient temperatures from -20...+50 °C
- Illumination of production areas
- Traffic zones and corridors
- Supermarkets and department stores

## **PRODUCT BENEFITS**

- No bending thanks to glass technology
- Quick, simple and safe replacement without rewiring
- Energy savings of up to 63 % (compared to T8 fluorescent lamp on CCG)
- Instant-on light, therefore ideally suitable in combination with sensor technology
- Very high resistance to switching loads
- Also suitable for operation at low temperatures
- Support the implementation of the HACCP concepts from production through to presentation
- High luminous flux for sophisticated lighting tasks
- Helps to prevent contamination in sensitive production areas (e.g. in the food industry)
- Shatter protection thanks to special PET coating

#### **PRODUCT FEATURES**

- Lamp tube made of glass with splinter protection (according to IEC 61549 AMD 2:2010 -810-1 4.4.1)
- LED alternative to classic T8 fluorescent lamps in CCG luminaires



- Rotatable end caps
- For especially uniform illumination
- Lifetime: up to 60,000 h
- Mercury-free and RoHS compliant
- Type of protection: IP20

## **TECHNICAL DATA**

# Electrical data

Nominal wattage	22.50 W
Rated wattage	22.50 W
Nominal voltage	220240 V
Operating frequency	5060 Hz
Nominal current	0.103 A
Type of current	AC
Power factor λ	> 0.90

### Photometrical data

Light color (designation)	Cool White
Rated color temperature	4000 K
Nominal luminous flux	3600 lm
Rated luminous flux	3600 lm
Color rendering index Ra	>80
Lumen main.fact.at end of nom.life time	0.70
Color temperature	4000 K
Luminous flux	3600 lm
Color rendering index Ra	>80
Standard deviation of color matching	≤4 sdcm

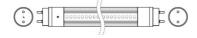
## Light technical data

Starting time	< 0.5 s
Warm-up time (60 %)	< 0.50 s
Rated beam angle (half peak value)	210.00 °

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# Dimensions & weight





Length with base excl. base pins/connection	1500.00 mm	
Product weight	246.00 g	
Overall length	1513 mm	

# Temperatures & operating conditions

Ambient temperature range	-20+50 °C

## Lifespan

Lifespan	50000 h
Nominal lamp life time	60000 h
Rated lamp life time	60000 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

## Certificates & standards

Type of protection	IP20	
Standards	CE; VDE	
Energy efficiency class	A++	
Energy efficiency class	A++	
Energy consumption	23 kWh/1000h	

### Country-specific categorizations

ILCOS	DR-22.5/840-G13-25.5/1513	
Order reference	ST8SPS-1.5M 22,	

### Logistical data

Temperature range at storage -2080 °C
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### **EQUIPMENT / ACCESSORIES**

- Suitable for operation with low-loss and conventional control gears

### **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.

#### LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075048157	ST8AU-EM 22.5 W/4000 K 1500 mm	Shipping carton box 10	1652 mm x 210 mm x 115 mm	39.90 dm³	4000.00 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.

#### **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.