ST8AU-EM 22.5 W/830 1500 mm

SubstiTUBE Advanced Ultra Output | 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

- 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
- High luminous intensity for sophisticated lighting tasks

Product features

- 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
- Tube made of glass



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Technical data

Electrical data

Nominal wattage	22.50 W
Rated wattage	22.50 W
Nominal voltage	220…240 V
Operating frequency	50…60 Hz
Nominal current	0.103 A
Type of current	AC
Power factor λ	> 0.90

Photometrical data

Light color (designation)	Warm White
Rated color temperature	3000 K
Nominal luminous flux	3240 lm
Rated luminous flux	3240 lm
Color rendering index Ra	>80
Lumen main.fact.at end of nom.life time	0.70
Standard deviation of color matching	≤4 sdcm

Light technical data

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

Dimensions & weight

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

Temperatures & operating conditions

Ambient temperature range	-20…+50 °C

Lifespan

Lifespan	60000 h
Nominal lamp life time	60000 h
Rated lamp life time	60000 h
Number of switching cycles	200000

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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 systemNot usable in luminaires with serial lamp connection, i.e. more than one tube at one magnetic ballast (tandem circuitry)

Capabilities

Dimmable	No

Certificates & standards

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

Country specific categorizations

ILCOS	DR-22.5/830-G13-25.5/1513
Order reference	ST8AU-1.5M 22,5

Logistical data

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

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
4058075818330	ST8AU-EM 22.5 W/830 1500 mm	Shipping carton box 10 Pieces Sleeves	1652 mm x 210 mm x 115 mm	39.90 dm^3	3592.40 g

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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.

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