

## OSRAM SubstiTube T8 LED - ST8AU 24W 1.5m

SubstiTUBE Advanced Ultra Output | LED tubes for electronic and electromagnetic control gears



### Areas of application

- Replacement lamps for ECG and CCG driven luminaires
- General illumination within ambient temperatures from -20...+50 °C
- Illumination of production areas
- Traffic zones and corridors
- Supermarkets and department stores
- Industry

### Product benefits

- Quick, simple and safe replacement without rewiring
- Instant-on light, therefore ideally suitable in combination with sensor technology
- Very high resistance to switching loads
- Also suitable for operation at low temperatures
- Extremely break resistant thanks to aluminum heat sink and polycarbonate cover
- Especially uniform light emission

### Product features

- LED alternative to classic T8 fluorescent lamps in CCG and ECG driven luminaires
- High luminous intensity for sophisticated lighting tasks
- Lifetime: up to 50,000 h
- Mercury-free and RoHS compliant
- Type of protection: IP20



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Technical data

**Electrical data**

Nominal wattage	24.00 W
Rated wattage	24.00 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz
Nominal current	0.11 A
Type of current	AC
Power factor $\lambda$	0.90

**Photometrical data**

Light color (designation)	Cool Daylight
Color temperature	4000K/6500K
Nominal luminous flux	3600 lm
Rated luminous flux	3600 lm
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	$\leq 4$ sdc <sub>m</sub>

**Light technical data**

Starting time	2.0 s
Warm-up time (60 %)	0.50 s
Rated beam angle (half peak value)	150.00 °

**Dimensions & weight**

Overall length	1513 mm
Product weight	450.00 g

**Temperatures & operating conditions**

Ambient temperature range	-20...+50 °C
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**Lifespan**

Lumen main.fact.at end of nom.life time	0.70
Number of switching cycles	200000

**Additional product data**

Base (standard designation)	G13
Mercury-free	Yes

## Product datasheet

<b>Product remark</b>	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)
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### Capabilities

<b>Dimmable</b>	<b>No</b>
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### Certificates & standards

<b>Type of protection</b>	IP20
<b>Standards</b>	CE/VDE
<b>Energy efficiency class</b>	A++
<b>Energy consumption</b>	27 kWh/1000h

### Country specific categorizations

<b>ILCOS</b>	DR-24/865-G13-27.5/1500
<b>Order reference</b>	ST8AU-1.5M 24W/

### Logistical data

<b>Temperature range at storage</b>	-20...75 °C
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#### Safety advice

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

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#### References / Links

For current information see

- ▶ [www.ledvance.com/substitute](http://www.ledvance.com/substitute)

## Product datasheet

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### 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.

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.