

PRODUCT DATASHEET

ST8A-UN 16 W/865 K 1200 mm

SubstiTUBE Advanced UO UN | LED tubes for electronic and electromagnetic control gears



AREAS OF APPLICATION

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

PRODUCT BENEFITS

- Also suitable for operation at low temperatures
- Excellent luminous flux
- Easy installation

PRODUCT FEATURES

- T8 LED tube made of glass with G13 base
- Mercury-free and RoHS compliant
- Type of protection: IP20
- Lifetime: up to 60,000 h
- Compatible with conventional and many common electronic control gears (see also compatibility list) and line voltage



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	0.071 A
Type of current	AC
Power factor λ	> 0.90

Photometrical data

Rated color temperature	6500 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 Daylight
Color temperature	6500 K
Luminous flux	2400 lm
Color rendering index Ra	>80
Standard deviation of color matching	≤ 4 sdc _m

Light technical data

Starting time	< 0.5 s
Warm-up time (60 %)	< 2.00 s
Rated beam angle (half peak value)	160.00 °

Dimensions & weight



Length with base excl. base pins/connection	1198.00 mm
Tube diameter	25.5 mm

Base diameter	27.5 mm
Product weight	232.00 g
Overall length	1213 mm

Temperatures & operating conditions

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

Lifespan	60000 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

Dimmable	No
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Certificates & standards

Type of protection	IP20
Standards	CE
Energy efficiency class	A++
Energy consumption	16 kWh/1000h

Country-specific categorizations

ILCOS	DR-16/865-G13-25,5/1200
Order reference	ST8AU-1.2M 16W/

Logistical data

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

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

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075818835	Sleeves 1	1319 mm x 36 mm x 29 mm	309.00 g	1.38 dm ³
4058075818842	Shipping carton box 8	1367 mm x 182 mm x 125 mm	3070.00 g	31.10 dm ³

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.ledvance.com/substitute

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.