

PRODUCT DATASHEET

ST8A-UN 16 W/840 1200 mm UN

SubstiTUBE Universal Advanced | 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
- Suitable for operation with conventional control gear or line voltage
- Compatible with many common conventional and electronic control gears (see also compatibility list)



TECHNICAL DATA

Electrical data

Nominal wattage	16.00 W
Rated wattage	16.00 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz
Nominal current	0.071 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	2400 lm
Rated luminous flux	2400 lm
Color rendering index Ra	>80
Lumen main.fact.at end of nom.life time	0.70
Standard deviation of color matching	≤ 4 sdcn

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	27.5 mm
Base diameter	25.5 mm
Product weight	232.00 g

Overall length	1213 mm
-----------------------	---------

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

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	16 kWh/1000h

Country specific categorizations

ILCOS	DR-16/840-G13-25,5/1200
Order reference	ST8AU-1.2M 16W/

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.

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075818811	ST8A-UN 16 W/840 1200 mm UN	Shipping carton box 8	1367 mm x 182 mm x 125 mm	31.10 dm ³	4068.00 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.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.