

PRODUCT DATASHEET

ST8A-DC 18 W/5700 K 1200 mm

SubstiTUBE Advanced DC T8 | LED tubes for operation with alternating current with external driver



Areas of application

- Offices, public buildings
- Corridors, stairways, parking garages
- Shops
- General illumination within ambient temperatures from -20...+45 °C

Product benefits

- Energy savings of up to 50 % compared to conventional T8 fluorescent lamps
- Instant 100 % light, no warm-up time
- Low flicker light thanks to LED driver LVED PRO 20/220-240/550 CS

Product features

- Replacement for fluorescent lamps with G13 base
- Suitable only for operation with LED driver
- Dimmable with LED driver LVED PRO 20/220-240/550 CS
- High color consistency
- Mercury-free and RoHS compliant
- Luminous efficacy: up to 116 lm/W



TECHNICAL DATA

Electrical data

Nominal wattage	18 W
Nominal voltage	38 V
Nominal current	500 mA
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor λ	> 0.90

Photometrical data

Luminous flux	2100 lm
Luminous efficacy	116 lm/W
Light color (designation)	Daylight
Color temperature	5700 K
Color rendering index Ra	≥80
Light color	857

Light technical data

Beam angle	150 °
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Dimensions & Weight

Overall length	1213.60 mm
Diameter	25.80 mm
Product weight	126.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
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Lifespan

Number of switching cycles	100000
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Additional product data

Base (standard designation)	G13
Mercury content	0.0 mg

Capabilities

Dimmable	Yes
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Country-specific categorizations

Order reference	ST8A-1.2M 18W/8
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G13
Length	1213.60 mm
Height	25.80 mm
Width	25.80 mm

Safety advice

- Always check the latest update of the compatibility list available on www.ledvance.com/ecg-compatibility.

DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	IES files_AC13803 ST8A-1.2M 18W857 DC

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075208193	Sleeve 1	1,212 mm x 30 mm x 30 mm	149.00 g	1.09 dm ³
4058075208209	Shipping box 25	1,275 mm x 185 mm x 185 mm	4617.00 g	43.64 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.

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.