

PRODUCT DATASHEET

ST8PROU-UN 15 W/6500 K 1200 mm

SubstiTUBE® PRO UO UN | LED tubes for electronic control gears (ECG), electromagnetic control gears (CCG) and mains, shatterproof



Areas of application

- General illumination within ambient temperatures from -20...+45 °C
- Supermarkets and department stores
- Industry

Product benefits

- No bending thanks to glass technology
- Shatter protection thanks to special PET coating
- Also suitable for operation at low temperatures
- High luminous flux for sophisticated lighting tasks
- Easy installation

Product features

- T8 LED tube made of glass with G13 base
- Compatible with conventional and many common electronic control gears (see also compatibility list) and line voltage
- Low flicker according to EU 2019/2020
- Lamp tube made of glass with splinter protection e.g. for food industry applications
- Mercury-free and RoHS compliant
- Type of protection: IP20
- Lifetime: up to 60,000 h



TECHNICAL DATA

Electrical data

Nominal wattage	15 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	36 W
Nominal current	85 mA
Type of current	AC
Inrush current	12 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	80
Max. lamp no. on circuit break. B10 A - CCG with compensation	88
Max. lamp no. on circuit break. 16 A (B)	125
Max. lamp no. on circuit break. B16 A - CCG with compensation	140
Total harmonic distortion	< 20 %
Power factor λ	> 0,90

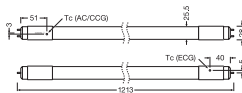
Photometrical data

Luminous flux	2400 lm
Luminous efficacy	160 lm/W
Lumen main.fact.at end of nom.li	0.70
Light color (designation)	Cool Daylight
Color temperature	6500 K
Color rendering index Ra	83
Light color	865
Standard deviation of color matching	≤ 5 sdcn

Light technical data

Beam angle	190 °
Warm-up time (60 %)	< 2.00 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	190.00 °

Dimensions & weight



Length	1212.50 mm
Diameter	27.80 mm
Tube diameter	25.5 mm
Maximum diameter	28 mm
Product weight	223.000 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	66 °C ¹⁾

¹⁾ at CCG+Mains operation, ECG operation: 69°C

Lifespan

Nominal lamp life time	60000 h
Rated lamp life time	60000 h
Number of switching cycles	200000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

Additional product data

Base (standard designation)	G13
Mercury-free	Yes
Show WEEE picto	Yes

Capabilities

Dimmable	No
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Certificates & standards

Energy efficiency class	A++ ¹⁾
Energy consumption	15.00 kWh/1000h
Type of protection	IP20
Standards	CE



1) Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)





Country-specific categorizations

Order reference	ST8PROU-1.2M 15
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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DOWNLOAD DATA

DOWNLOAD DATA	
	Installation guide SubstiTUBE® T8 T5
	Installation guide Installationsanleitung SubstiTUBE T8 T5
	IES file (IES) ST8PROU 1.2M 15W 865 UN OSRAM
	LDT file (Eulumdat) ST8PROU 1.2M 15W 865 UN OSRAM

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075546837	Sleeve 1	1,305 mm x 29 mm x 29 mm	252.00 g	1.10 dm ³
4058075546844	Shipping box 10	1,352 mm x 210 mm x 115 mm	3209.00 g	32.65 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.

DISCLAIMER

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