

PRODUCT DATASHEET

ST8PRO-HF 7.5 W/6500 K 600 mm

SubstiTUBE® PRO HF | LED tubes for electronic high frequency control gears (ECG), shatterproof



Areas of application

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

Product benefits

- Quick, simple and safe replacement without rewiring
- Shatter protection thanks to special PET coating
- Also suitable for operation at low temperatures
- High luminous flux for sophisticated lighting tasks
- No bending thanks to glass technology

Product features

- T8 LED tube made of glass with G13 base
- 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
- Compatible with many common electronic control gears (see also compatibility list)



TECHNICAL DATA

Electrical data

Nominal wattage	7.5 W
Nominal voltage	20...40 V
Claimed equiv. conventional lamp power	18 W
Nominal current	50 mA
Type of current	AC
Inrush current	20 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	120
Max. lamp no. on circuit break. 16 A (B)	185
Total harmonic distortion	< 20 %
Power factor λ	> 0,80

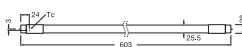
Photometrical data

Luminous flux	1100 lm
Luminous efficacy	146 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 sdcm
Rated LLMF at 6,000 h	0.96

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



Overall length	602.90 mm
Length	602.90 mm
Diameter	27.80 mm
Tube diameter	25.5 mm
Maximum diameter	28 mm
Product weight	109.000 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	68 °C

Lifespan

Nominal 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 content	0.0 mg
Mercury-free	Yes

Capabilities

Dimmable	No
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Certificates & standards

Energy efficiency class	A++ ¹⁾
Energy consumption	9.00 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	ST8PRO-0.6M 7,5
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LOGISTICAL DATA

Temperature range at storage

-20...+80 °C

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DOWNLOAD DATA



Installation guide
SubstiTUBE® T8 T5



Installation guide
Installationsanleitung SubstiTUBE T8 T5



IES file (IES)
ST8PRO 0.6M 7,5W 865 20-40VHF OSRAM



LDT file (Eulumdat)
ST8PRO 0.6M 7,5W 865 20-40VHF OSRAM

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075545113	Sleeve 1	610 mm x 31 mm x 31 mm	127.00 g	0.59 dm ³
4058075545120	Shipping box 10	662 mm x 210 mm x 115 mm	1627.00 g	15.99 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.