

PRODUCT DATASHEET ST8PRO-HF 7.5 W/3000 K 600 mm

SubstiTUBE T8 HF PRO | 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
Construction wattage	7.50 W
Nominal voltage	2040 V
Operating mode	Electronic control gear (ECG)
Nominal current	50 mA
Type of current	AC
Inrush current	20 A
Operating frequency	2075 kHz
Mains frequency	2075 kHz
Max. lamp number on MCB B10 A	120
Max. lamp number on MCB B16 A	185
Total harmonic distortion	< 20 %
Power factor λ	> 0.80

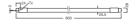
Photometrical data

Luminous flux	1000 lm
Luminous efficacy	133 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	83
Light color	830
Standard deviation of color matching	≤5 sdcm

Light technical data

Beam	n angle	190 °
Warm	n-up time (60 %)	< 2.00 s
Startin	ing time	< 0.5 s

Dimensions & Weight



Overall length	603.00 mm
Diameter	27.80 mm
Tube diameter	25,5 mm
Maximum diameter	28 mm
Product weight	109.00 g
Temperatures & operating conditions	
Ambient temperature range	-20+45 °C
Maximum temperature at tc test point	68 °C
Lifespan	
Number of switching cycles	200000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90
Additional product data	
Base (standard designation)	G13
Mercury content	0.0 mg
Capabilities	
Dimmable	No
Certificates & Standards	
Energy efficiency class	E
Energy consumption	9.00 kWh/1000h
Type of protection	IP20
Standards	CE
Photobiological safety group acc. to EN62778	RG0
Country-specific categorizations	
Order reference	RL-T8 18 S 7,5W
LOGISTICAL DATA	
Temperature range at storage	-20+80 °C
Energy labelling regulation data acc EU 2019/2015	
Light source cap-type (or other electric interface)	G13

SINGLE_VALUE

Correlated colour temperature type

Length	603.00 mm
Height	27.80 mm
Width	27.80 mm
EPREL ID	519417,563370

Safety advice

- Not suitable for operation with low-loss and conventional control gears and main voltage.
- Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.
- The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure Tc temperature on the product prior to installation.
- All electrical connections must be made by a qualified person.
- Not suitable for emergency lighting.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008597197314	Sleeve 1	610 mm x 31 mm x 31 mm	127.00 g	0.59 dm ³
4008597597312	Shipping box 10	662 mm x 210 mm x 115 mm	1627.00 g	15.99 dm³

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.