

PRODUCT DATASHEET

ST5HE35-HF 18 W/6500 K 1449.00 mm

SubstiTUBE® T5 HF | LED tubes for electronic high frequency control gears



Areas of application

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

Product benefits

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

Product features

- Retrofit replacement of existing T5 lamps on HF ballast installations
- Lamp tube made of glass with splinter protection e.g. for food industry applications
- High color consistency: ≤ 5 SDCM
- Lifetime: up to 50,000 h
- Low flicker according to EU 2019/2020
- Type of protection: IP20



TECHNICAL DATA

Electrical data

Nominal wattage	18 W
Nominal voltage	105...150 V
Claimed equiv. conventional lamp power	35 W
Nominal current	177 mA
Type of current	AC
Inrush current	15 A
Operating frequency	25...70 kHz
Mains frequency	25...70 kHz
Total harmonic distortion	< 20 %
Power factor λ	> 0,90

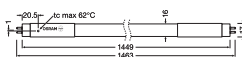
Photometrical data

Luminous flux	2800 lm
Luminous efficacy	155 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	≥ 80
Light color	865
Standard deviation of color matching	≤ 5 sdcm

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	1449.00 mm
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Length	1449.00 mm
Diameter	17.00 mm
Tube diameter	16 mm
Maximum diameter	17 mm
Product weight	192.000 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	62 °C

Lifespan

Nominal lamp life time	50000 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)	G5
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

Capabilities

Dimmable	No
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Certificates & standards

Energy efficiency class	A++ ¹⁾
Energy consumption	20.00 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	ST5HE35-1.5M18W
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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) ST5HE35 1.5M 18W 865 HF G5 OSRAM
	LDT file (Eulumdat) ST5HE35 1.5M 18W 865 HF G5 OSRAM

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075543164	Sleeve 1	1,465 mm x 20 mm x 24 mm	218.00 g	0.70 dm ³
4058075543171	Shipping box 10	1,518 mm x 153 mm x 80 mm	2702.00 g	18.58 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.