PRODUCT DATASHEET
LED TUBE T5 HF L8 SHORT VALUE 288 mm 4W 840

LED TUBE T5 HF SHORT VALUE | LED tubes for electronic high frequency control gear (ECG), shatterproof



VALUE CLASS

Areas of application

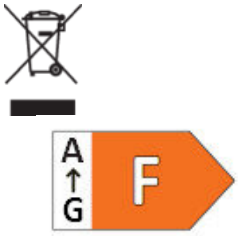
- General illumination within ambient temperatures from -20…+45 °C
- Public buildings
- Kitchens
- Under-cabinet lighting

Product benefits

- No bending thanks to glass technology
- Quick, simple and safe replacement without rewiring
- Also suitable for operation at low temperatures

Product features

- Retrofit replacement of existing T5 lamps on HF ballast installations
- Lamp tube made of glass with splinter protection
- High color consistency: ≤ 5 sdcm
- Lifetime up to 30,000 h
- Low flicker according to EU 2019-2020 (SVM ≤ 0.4 / PstLM ≤ 1)
- Type of protection: IP20
- Compatible with many common electronic control gears (see also compatibility list)



TECHNICAL DATA

Electrical data

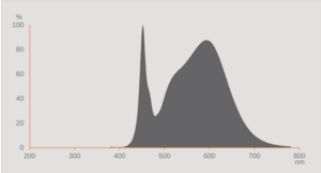
Nominal wattage	4 W
Nominal voltage	17…40 V
Operating mode	ECG [1)]
Nominal current	223 mA
Type of current	AC
Inrush current	21 A
Operating frequency	25…75 kHz
Mains frequency	25…75 kHz
Maximum total harmonic distortion	120 %
Power factor λ	0.55

1) Check ECG compatibility at ledvance.com/compatibility

Photometrical data

Luminous flux	400 lm
Nominal useful luminous flux 90°	440 lm
Luminous efficacy	110 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Standard deviation of color matching	≤5 sdcm
Rated LLMF at 6,000 h	0.90
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0.4

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EPREL data spectral diagram PROF LEDr 4000K

Light technical data

Beam angle	190 °
Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	302.00 mm
Length with base excl. base pins/connection	288.00 mm
Diameter	18.50 mm
Product weight	42.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C [1)]
Maximum temperature at tc test point	60 °C
Performance temp. acc. to IEC 62717	40 °C [2)]

1) Temperature surrounding the lamp - for enclosed luminaires: temperature inside of the luminaire

2) Tp rated. Tp point coincides with Tc point - marked on device

Lifespan

Lifespan L70/B50 at 25 °C	30000 h
Number of switching cycles	200000
Lumen maintenance at end of service lifetime	0.70

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Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	G5
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

Capabilities

Dimmable	No

Certificates & Standards

Energy efficiency class	F [1)]
Energy consumption	4.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA / EAC
Photobiological safety group acc. to EN62778	RG0

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

Country-specific categorizations

Order reference	LEDTUBE T5HF L8

LOGISTICAL DATA

Temperature range at storage	-20…+80 °C

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	G5
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	0 W

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Networked standby power for CLS	0 W
Claim of equivalent power	No
Length	302.00 mm
Height	18.50 mm
Width	18.50 mm
Chromaticity coordinate x	0.382
Chromaticity coordinate y	0.38
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	0,89
LED light source replaces a fluorescent light source	No
EPREL ID	2199976
Model number	AC70918

Safety advice

- 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.
- Not suitable for emergency lighting.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	LED TUBE T5 HF SHORT
PDF	User instruction / safety instructions	
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	LEDTUBE T5HF L8
PDF	Declarations of conformity UKCA	LEDTUBE T5HF L8
PDF	ECG compatibility list	Ballast compatibility LEDVANCE LED TUBE T5 HF_T8 HF_T8 UNIVERSAL 2025

	Photometric and lighting design files	Document name
IES	IES file (IES)	LEDTUBE T5 HF L8 SHORT V 288 4W 840 LEDV

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	Photometric and lighting design files	Document name
	LDT file (Eulumdat)	LEDTUBE T5 HF L8 SHORT V 288 4W 840 LEDV
	UGR file (UGR table)	LEDTUBE T5 HF L8 SHORT V 288 4W 840 LEDV
	Light distribution curve type polar	LEDTUBE T5 HF L8 SHORT V 288 4W 840 LEDV
	Spectral power distribution	EPREL data spectral diagram PROF LEDr 4000K

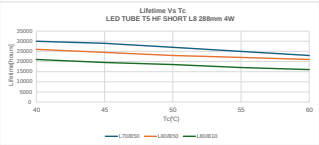
	Tender texts	Document name
	Tender documents	LED TUBE T5 HF SHORT V 288 mm 4W 840-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854552427	Sleeve 1	22 mm x 22 mm x 304 mm	51.00 g	0.15 dm^3
4099854552434	Shipping box 25	316 mm x 116 mm x 124 mm	1355.00 g	4.55 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.

ADDITIONAL CATALOG INFORMATION



References / Links

– For current information see www.ledvance.com/ledtube

Legal advice

– When used to replace a T5 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.

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