

PRODUCT DATASHEET LED TUBE T5 HF L13 SHORT VALUE 517 mm 7W 830

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



Areas of application

- General illumination within ambient temperatures from -20...+45 $^{\circ}\text{C}$
- 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
- Please follow all safety advices

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 $\leq 1)$
- Type of protection: IP20
- Compatible with many common electronic control gears (see also compatibility list)





TECHNICAL DATA

Electrical data

Nominal wattage	7 W
Construction wattage	7.00 W
Nominal voltage	3055 V
Operating mode	ECG ¹⁾
Nominal current	215 mA
Type of current	AC
Inrush current	21 A
Operating frequency	2575 kHz
Mains frequency	2575 kHz
Total harmonic distortion	120 %
Power factor λ	0.59

¹⁾ Check ECG compatibility at ledvance.com/compatibility

Photometrical data

Luminous flux	770 lm
Luminous efficacy	110 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	80
Light color	830
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



EPREL data spectral diagram PROF LEDr 3000K

Light technical data

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

Dimensions & Weight



Overall length	530.00 mm
Length with base excl. base pins/connection	517.00 mm
Diameter	18.50 mm
Product weight	68.00 g

Temperatures & operating conditions

Ambient temperature range	-20+45 °C ¹⁾
Maximum temperature at tc test point	65 °C
Performance temp. acc. to IEC 62717	40 °C ²⁾

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

Lifespan

Lifespan L70/B50 at 25 °C	30000 h
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)	G5
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

²⁾ $\ensuremath{\mathsf{Tp}}$ rated. $\ensuremath{\mathsf{Tp}}$ point coincides with $\ensuremath{\mathsf{Tc}}$ point - marked on device

Capabilities

Dimmable	No

Certificates & Standards

Energy efficiency class	F 1)
Energy consumption	7.00 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 15HF L1
_		

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
Networked standby power for CLS	0 W
Claim of equivalent power	No
Length	530.00 mm
Height	18.50 mm
Width	18.50 mm
Chromaticity coordinate x	0,434
Chromaticity coordinate y	0,403

R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	0,86
LED light source replaces a fluorescent light source	No
EPREL ID	1392490
Model number	AC46403,AC46403

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.

DOWNI OAD DATA

DOWNLOAD DATA					
Documents and certificates	Document name				
User instruction / safety instructions	LED TUBE T5 HF SHORT LEDV				
User instruction / safety instructions					
Legal information	Informationstext 18 Abs 4 ElektroG				
Declarations of conformity	LED TUBE T5 HF SHORT				
Declarations of conformity UKCA	LED TUBE T5 HF SHORT				
ECG compatibility list	Ballast compatibility LEDVANCE LED TUBE T5 HF_T8 HF_T8 UNIVERSAL 2025				
Photometric and lighting design files	Document name				
IES file (IES)	LEDTUBE T5 HF L13 SHORT V 517 7W 830 LEDV				
LDT file (Eulumdat)	LEDTUBE T5 HF L13 SHORT V 517 7W 830 LEDV				
UGR file (UGR table)	LEDTUBE T5 HF L13 SHORT V 517 7W 830 LEDV				
Light distribution curve type polar	LEDTUBE T5 HF L13 SHORT V 517 7W 830 LEDV				
	Documents and certificates User instruction / safety instructions User instruction / safety instructions Legal information Declarations of conformity Declarations of conformity UKCA ECG compatibility list Photometric and lighting design files IES file (IES) LDT file (Eulumdat) UGR file (UGR table)				

Photometric and lighting design files	Document name
Spectral power distribution	EPREL data spectral diagram PROF LEDr 3000K

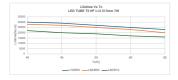
Tender texts	Document name
Tender documents	LED TUBE T5 HF SHORT V 517 mm 7W 830-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075823655	Sleeve 1	23 mm x 23 mm x 533 mm	82.00 g	0.28 dm ³
4058075823662	Shipping box 25	545 mm x 121 mm x 129 mm	2172.00 g	8.51 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.