PRODUCT DATASHEET
LED TUBE T8 EM VALUE 1500 mm 18.3W 865

LED TUBE T8 EM VALUE | Economic LED tubes for electromagnetic control gear (CCG) and AC mains



VALUE CLASS

Areas of application

- General illumination within ambient temperatures from -20…+45 °C
- Corridors, stairways, parking garages
- Warehouses
- Cooling and storage rooms
- Domestic applications

Product benefits

- Energy savings of up to 72 % (compared to T8 fluorescent lamp)
- Quick, simple and safe replacement with or without rewiring
- No bending thanks to glass technology
- Very high resistance to switching loads
- Instant-on light, therefore ideally suitable in combination with sensor technology
- Also suitable for operation at low temperatures

Product features

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in CCG luminaires or on AC mains
- Single and tandem operation on conventional control gear (≤ 0.9 m versions)
- Tube made of glass
- Long lifetime up to 50,000 h
- Uniform illumination





© 2026, LEDVANCE GmbH. All rights reserved.

- Mercury-free and RoHS compliant
- Type of protection: IP20
- Low flicker according to EU 2019-2020 (SVM ≤ 0.4 / PstLM ≤ 1)

© 2026, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

Electrical data

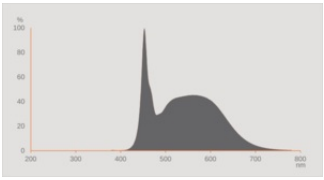
Nominal wattage	18.3 W
Nominal voltage	220…240 V
Operating mode	CCG, AC Mains
Nominal current	90 mA
Type of current	AC
Inrush current	11.6 A
Suitable for DC input	Yes
Input voltage DC	186…260 V
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz [1)]
Max. lamp number on MCB B10 A	51
Max. lamp number on MCB B10 A - CCG without compensation	53
Max. lamp number on MCB B10 A - CCG with compensation	26
Max. lamp number on MCB B16 A	64
Max. lamp number on MCB B16 A - CCG without compensation	67
Max. lamp number on MCB B16 A - CCG with compensation	33
Total harmonic distortion	< 52 %
Power factor λ	0.90

1) DC 0 Hz

Photometrical data

Luminous flux	2200 lm
Luminous efficacy	120 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool Daylight
Color temperature	6500 K
Color rendering index Ra	80
Light color	865
Standard deviation of color matching	≤6 sdcm
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0.4

© 2026, LEDVANCE GmbH. All rights reserved.
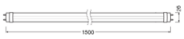


EPREL data spectral diagram PROF LEDr 6500K

Light technical data

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

Dimensions & Weight



Overall length	1514.00 mm
Length with base excl. base pins/connection	1500.00 mm
Diameter	26.70 mm
Product weight	230.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C [1)]
Maximum temperature at tc test point	70 °C
Performance temp. acc. to IEC 62717	55 °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	50000 h
Number of switching cycles	200000
Lumen maintenance at end of service lifetime	0.70

© 2026, LEDVANCE GmbH. All rights reserved.

Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	G13
Mercury content	0.0 mg
Mercury-free	Yes

Capabilities

Dimmable	No

Certificates & Standards

Energy efficiency class	E [1)]
Energy consumption	19.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
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 T8 EM V

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	MLS
Light source cap-type (or other electric interface)	G13
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	<0.5 W
Claim of equivalent power	No

© 2026, LEDVANCE GmbH. All rights reserved.

Length	1514.00 mm
Height	26.70 mm
Width	26.70 mm
Chromaticity coordinate x	0.313
Chromaticity coordinate y	0.337
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	0.9
LED light source replaces a fluorescent light source	No
EPREL ID	2153795,2329442
Model number	AC69495,AC73569

EQUIPMENT / ACCESSORIES

– Suitable for operation with low-loss and conventional control gears

Safety advice

– Not suitable for operation with electronic control gear.
– Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.
– Not suitable for emergency lighting.
– Disconnect mains before installation.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	
PDF	Extended installation guide	Installation instructions LED TUBE T8, T5 und DULUX LED 2026 10 EN
PDF	Extended installation guide	Notes on the operation of LEDVANCE LED tubes in compensated luminaires
PDF	Extended installation guide	LEDVANCE Luminaire conversion checklist
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert G11201307

© 2026, LEDVANCE GmbH. All rights reserved.

	Documents and certificates	Document name
PDF	Declarations of conformity	LEDTUBE
PDF	Declarations of conformity UKCA	LEDTUBE
PDF	Certificates	LEDTUBE T8 EM V 1500 18.3W

	Photometric and lighting design files	Document name
IES	IES file (IES)	LEDTUBE T8 EM V 1500 18.3W 865 LEDV
LDT	LDT file (Eulumdat)	LEDTUBE T8 EM V 1500 18.3W 865 LEDV
	UGR file (UGR table)	LEDTUBE T8 EM V 1500 18.3W 865 LEDV
	Light distribution curve type polar	LEDTUBE T8 EM V 1500 18.3W 865 LEDV
	Spectral power distribution	EPREL data spectral diagram PROF LEDr 6500K

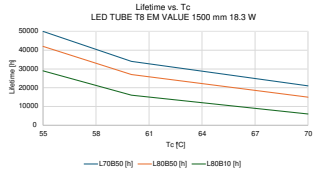
	Tender texts	Document name
TXT	Tender documents	LED TUBE T8 EM VALUE 1500 mm 18.3W 865-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854434709	Sleeve 1	1,555 mm x 29 mm x 29 mm	264.00 g	1.31 dm^3
4099854434716	Shipping box 10	1,590 mm x 170 mm x 95 mm	3391.00 g	25.68 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



© 2026, LEDVANCE GmbH. All rights reserved.

References / Links

– For Guarantee see www.ledvance.com/guarantee

Legal advice

– When used to replace a T8 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.

© 2026, LEDVANCE GmbH. All rights reserved.