

# PRODUCT DATASHEET LED TUBE T8 EM V 600 mm 6.6W 840

LED TUBE T8 EM V | Economic LED tubes for electromagnetic control gear (CCG)



#### Areas of application

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

#### **Product benefits**

- No bending thanks to glass tube
- Energy savings of up to 69 % (compared to T8 fluorescent lamp)
- Quick, simple and safe replacement without rewiring
- Instant-on light, therefore ideally suitable in combination with sensor technology
- Very high resistance to switching loads
- 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
- Low flicker according to EU 2019-2020 (SVM  $\leq$  0,4 / PstLM  $\leq$  1)
- Single and tandem operation on conventional control gear (≤0.9 m versions)
- Tube made of glass
- Mercury-free and RoHS compliant
- Uniform illumination
- Type of protection: IP20





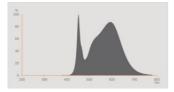
## **TECHNICAL DATA**

## Electrical data

struction wattage 6.60 W ninal voltage 220240 ninal current 30 mA	V
	V
ninal current 30 mA	
e of current AC	
sh current 8 A	
able for DC input Yes	
it voltage DC 186260	V
rating frequency 50/60 Hz	
ns frequency 50/60 Hz	
. lamp no. on circuit break. 10 A (B)	
. lamp no. on circuit break. B10 A - CCG without compensation	
. lamp no. on circuit break. B10 A - CCG with compensation 25	
. lamp no. on circuit break. 16 A (B)	
. lamp no. on circuit break. B16 A - CCG without compensation 75	
. lamp no. on circuit break. B16 A - CCG with compensation 32	
al harmonic distortion < 30 %	
ver factor $\lambda$ 0.90	

## Photometrical data

Luminous flux	800 lm
Luminous efficacy	121 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	≤6 sdcm
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0.4



# Light technical data

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

# **Dimensions & Weight**



Overall length	604.00 mm
Diameter	26.80 mm
Tube diameter	25.8 mm
Maximum diameter	28 mm
Product weight	97.00 g

# Temperatures & operating conditions

Ambient temperature range	-20+45 °C
Maximum temperature at tc test point	70 °C

# 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)	G13
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Mercury content	0.0 mg
Mercury-free	Yes
Product remark	Available from June 2023

## **Capabilities**

Dimmable	No
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#### Certificates & Standards

Energy efficiency class	E 1)
Energy consumption	7.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG0

 $<sup>1) \ {\</sup>sf Energy \ efficiency \ class \ (EEC) \ on \ a \ scale \ of \ A \ (highest \ efficiency) \ to \ G \ (lowest \ efficiency)}$ 

# Country-specific categorizations

Temperature range at storage

Order reference

0.400.0.0.0.0	225.052.052.0
LOCICTICAL DATA	
LOGISTICAL DATA	

LEDTUBE T8 FM V

-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
Length	604.00 mm
Height	26.80 mm
Width	26.80 mm

Chromaticity coordinate x	0.38
Chromaticity coordinate y	0.38
R9 Colour rendering index	0.00
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	0.9
LED light source replaces a fluorescent light source	No
EPREL ID	1333976,1529822
Model number	AC45383,AC51395

## **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

#### **DOWNLOAD DATA**

	Documents and certificates
POF	User instruction
PDF	Declarations Of Conformity CE
PDF	Declarations Of Conformity UKCA
	Photometric and lighting design files
	IES file (IES)
	LDT file (Eulumdat)
	UGR file (UGR table)
	LDC typ polar

#### Photometric and lighting design files



Spectral power distribution

#### **LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854038983	Sleeve 1	655 mm x 29 mm x 29 mm	118.00 g	0.55 dm³
4099854038990	Shipping box 10	690 mm x 170 mm x 95 mm	1547.00 g	11.14 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.

#### References / Links

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

#### 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.