

PRODUCT DATASHEET

LEDTUBE T8 EM VAL 16 W/6500 K 1200 mm

SubstiTUBE T8 EM VALUE | Economic LED tubes for electromagnetic control gears (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 68 % (compared to T8 fluorescent lamp on CCG)
- 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 (0.6 m version)
- Tube made of glass
- Mercury-free and RoHS compliant
- Uniform illumination
- Type of protection: IP20



TECHNICAL DATA

Electrical data

Nominal wattage	16 W
Construction wattage	16.00 W
Nominal voltage	230 V
Nominal current	120 mA
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor λ	> 0.50

Photometrical data

Luminous flux	1800 lm
Nominal useful luminous flux 90°	1800 lm
Luminous efficacy	112 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Daylight
Color temperature	6500 K
Color rendering index Ra	≥80
Light color	865
Standard deviation of color matching	≤6 sdc _m

Light technical data

Beam angle	160 °
Starting time	< 0.5 s

Dimensions & Weight

Overall length	1213.60 mm
Diameter	28.00 mm
Maximum diameter	28 mm
Product weight	190.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
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Lifespan

Number of switching cycles	50000
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Additional product data

Base (standard designation)	G13
Mercury content	0.0 mg

Capabilities

Dimmable	No
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Certificates & Standards

Type of protection	IP20
Standards	CB / SAA

Country-specific categorizations

Order reference	LVT8V-1.2M 16W/
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G13
Length	1213.60 mm
Height	28.00 mm
Width	28.00 mm

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.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075733558	Sleeve 1	1,270 mm x 28 mm x 28 mm	209.00 g	1.00 dm ³
4058075733565	Shipping box 25	1,322 mm x 158 mm x 176 mm	6593.00 g	36.76 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.

References / Links

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

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.