

# PRODUCT DATASHEET

## LEDTUBE T8 EM VAL 20 W/4000 K 1500 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



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## TECHNICAL DATA

### Electrical data

Nominal wattage	20 W
Construction wattage	20.00 W
Nominal voltage	230 V
Nominal current	150 mA
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor $\lambda$	> 0.50

### Photometrical data

Luminous flux	2400 lm
Nominal useful luminous flux 90°	2400 lm
Luminous efficacy	120 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 sdc <sub>m</sub>

### Light technical data

Beam angle	160 °
Starting time	› 0.5 s

### Dimensions & Weight

Overall length	1514.20 mm
Diameter	28.00 mm
Product weight	230.00 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 &amp; Standards

Type of protection	IP20
Standards	CB / SAA

## Country-specific categorizations

Order reference	LVT8V-1.5M 20W/
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## Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G13
Length	1514.20 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
4058075733596	Sleeve 1	1,570 mm x 28 mm x 28 mm	253.00 g	1.23 dm <sup>3</sup>
4058075733602	Shipping box 25	1,622 mm x 158 mm x 176 mm	7995.00 g	45.10 dm <sup>3</sup>

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](http://www.ledvance.com/substitute)
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## 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.
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