

PRODUCT DATASHEET

LEDTUBE T8 EM ECO 18 W/4000 K 1200 mm

LEDTUBE T8 ECO EM | LED tubes



Areas of application

- Train stations
- Offices, schools
- Underground stations
- Supermarkets and department stores
- Parking lots & Alleys
- Warehouses

Product benefits

- High luminous flux for sophisticated lighting tasks
- No bending thanks to glass technology
- Quick, simple and safe replacement without rewiring
- Lower maintenance cost thanks to longer lifetime than traditional Fluorescent
- Low initial investment
- High color rendition ($R_{a} \geq 80$) with excellent color fidelity for a true lighting effect
- Mercury-free

Product features

- Direct replacement for fluorescent lamps with G13 base
- Long lifetime up to 15,000 h
- $SDCM \leq 6$, provides excellent light quality
- High quality consistency thanks to automatic production



TECHNICAL DATA

Electrical data

Nominal wattage	18 W
Construction wattage	18.00 W
Nominal voltage	220...240 V
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
Luminous efficacy	100 lm/W
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Standard deviation of color matching	≤6 sdcn

Light technical data

Beam angle	ˆ 180.00 °
Starting time	< 0.5 s

Dimensions & Weight

Overall length	1213.60 mm
Diameter	28.00 mm
Maximum diameter	28 mm
Product weight	186.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	< 75 °C

Lifespan

Lifespan L70/B50 at 25 °C	15000 h
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Additional product data

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

Capabilities

Dimmable	No
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Certificates & Standards

Type of protection	IP20
Standards	IEC62776

Country-specific categorizations

Order reference	LEDTUBE T8 E 12
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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Energy labelling regulation data acc EU 2019/2015

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

DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	LEDTUBE T8EME 1200 18W840
	LDT file (Eulumdat)	LEDTUBE T8EME 1200 18W840
	Light distribution curve type polar	LEDTUBE T8EME 1200 18W840

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854239748	Sleeve 1	1,255 mm x 28 mm x 28 mm	174.00 g	1.01 dm³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854239755	Shipping box 25	1,310 mm x 168 mm x 170 mm	5164.00 g	37.41 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.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.