



For top performance and sustainability

MASTER LEDtube T8 UltraEfficient

With energy prices rising and the EU's Green Deal² continuing to fund energy efficient building renovations, many are looking into make their company's lighting more sustainable. The new Philips MASTER LEDtube Ultra Efficient T8 is a true breakthrough on the way to more sustainable lighting. It replaces your current fluorescent tube or LED tube directly and offers immediately great energy cost reduction as well as a much longer lifetime!

Benefits

- Absolute performance in energy-saving: up to 44% compared with standard LED tubes
- Reliable performance of up to 100,000 hours
- Energy cost and CO₂ savings from the start

Features

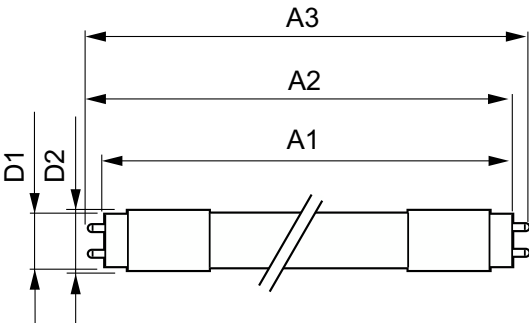
- Ultra efficiency achieves an incredible class A/B energy efficiency rating
- Up to 100,000 hours lifetime
- A rotatable end-cap that gives light where needed
- Shatterproof, passing drop test horizontally from a height of 4m on to a flat concrete according to IEC 61549
- Enable easy implementation of HACCP without need for additional guard, supported by product level NSF certificate

Application

- Industry and warehouses
- Office, education and retail

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Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm UE 11.9W 840 T8 EELA	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1500mm UE 17.6W 840 T8 EELA	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm

General Information	
Cap base	G13 ROT
Switching Cycle	200,000
Nominal lifetime	100,000 h
Light Technical	
Beam angle (nom.)	160 degree(s)
Correlated Colour Temperature (Nom)	4000 K
Colour rendering index (CRI)	80
Colour Code	840
LLMF at end of nominal lifetime (nom.)	70 %
Operating and Electrical	
Input frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting time (nom.)	1 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb shape	T8
Approval and Application	
Ambient temperature range	-20°C to 45°C

Light Technical

Order Code	Full Product Name	Luminous Flux
43166900	MAS LEDtube 1200mm UE 11.9W 840 T8 EELA	2,500 lm
43168300	MAS LEDtube 1500mm UE 17.6W 840 T8 EELA	3,700 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
43166900	MAS LEDtube 1200mm UE 11.9W 840 T8 EELA	11.9 W

Order Code	Full Product Name	Power Consumption
43168300	MAS LEDtube 1500mm UE 17.6W 840 T8 EELA	17.6 W

Temperature

Order Code	Full Product Name	T-Case maximum (nom.)
43166900	MAS LEDtube 1200mm UE 11.9W 840 T8 EELA	40 °C

Order Code	Full Product Name	T-Case maximum (nom.)
43168300	MAS LEDtube 1500mm UE 17.6W 840 T8 EELA	45 °C

Approval and Application

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Order Code	Full Product Name	Energy consumption kWh/
		1,000 hours
43166900	MAS LEDtube 1200mm UE 11.9W 840 T8 EELA	12 kWh
43168300	MAS LEDtube 1500mm UE 17.6W 840 T8 EELA	18 kWh

