



MASTER LEDtube T8 Ultra Efficient



MAS LEDtube 1200mm UE 11.9W 840 T8 EELA

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!

Product data

General information	
Cap base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal lifetime (nom.)	100000 h
Switching cycle	200,000X
Technical type	LEDTECH-LOV Sphere

Light technical	
Colour Code	840 [CCT of 4,000 K]
Beam Angle (Nom)	160 °
Luminous flux (nom.)	2500 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	210 lm/W
Colour consistency	<6
Colour rendering index (nom.)	80

LLMF at end of nominal lifetime (nom.) 70 %	
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Operating and electrical	
Input frequency	50 to 60 Hz
Power (Rated) (Nom)	11.9 W
Lamp current (max.)	63 mA
Lamp current (min.)	48 mA
Starting time (nom.)	1 s
Warm-up time to 60% light (nom.)	1 s
Power factor (nom.)	0.9
Voltage (Nom)	220-240 V

Temperature	
T-ambient (max.)	45 °C
T-ambient (min.)	-20 °C
T storage (max.)	65 °C
T storage (min.)	-40 °C
T-Case maximum (nom.)	40 °C

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Controls and dimming

Dimmable	No
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Mechanical and housing

Lamp Finish	Frosted
Bulb material	Plastic
	1200 mm
Bulb shape	Tube, double-ended

Approval and application

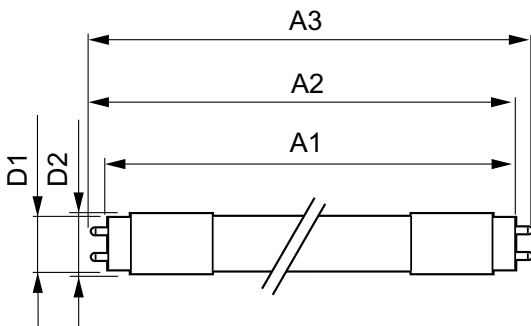
Energy Efficiency Class	A
Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	12 kWh
	1013082

Product data

Full product code	871951443166900
Order product name	MAS LEDtube 1200mm UE 11.9W 840 T8 EELA
EAN/UPC – product	8719514431669
Order code	43166900
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929003482202
Net Weight (Piece)	0.230 kg

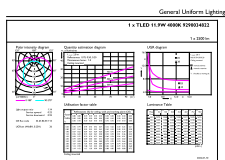
Dimensional drawing



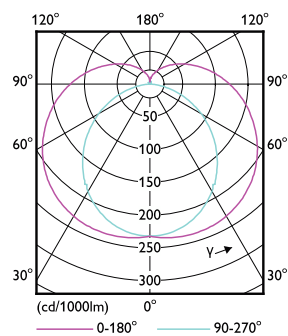
MAS LEDtube 1200mm UE 11.9W 840 T8 EELA

Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm UE 11.9W 840 T8 EELA	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm

Photometric data



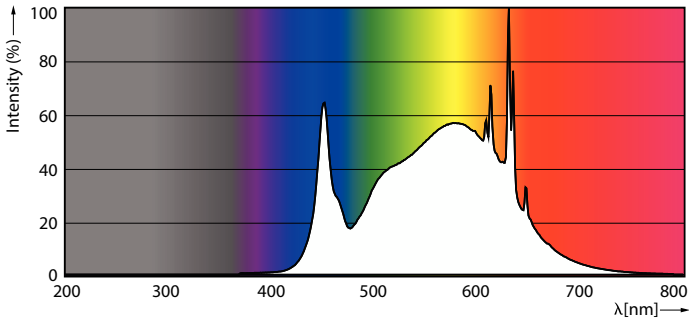
General Uniform Lighting



Light Distribution Diagram

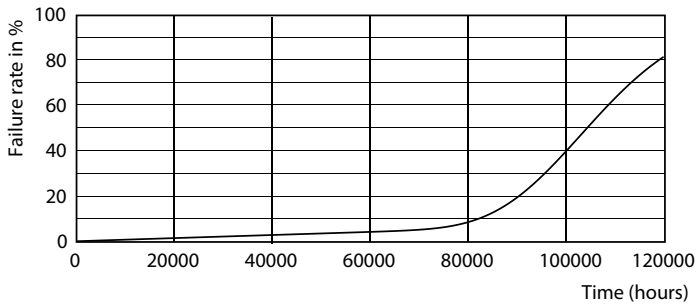
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Photometric data

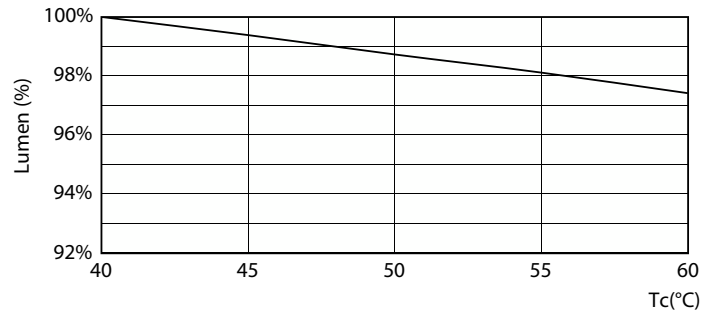


Spectral Power Distribution Colour

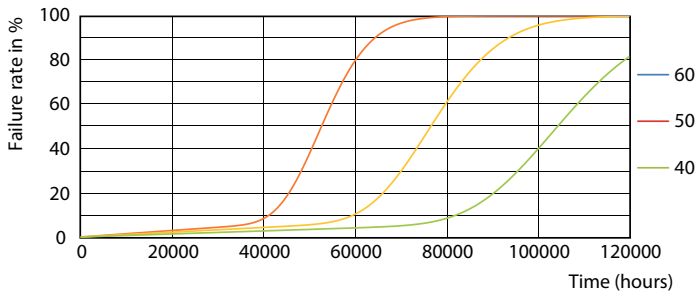
Lifetime



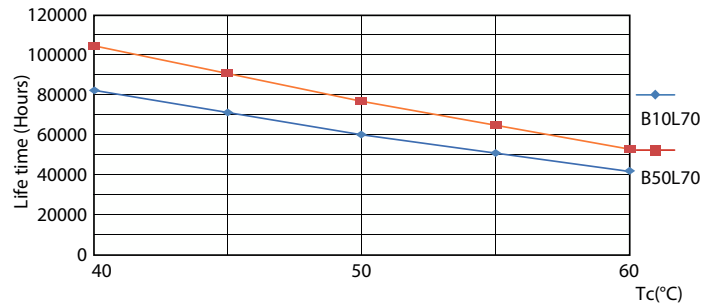
LEDtube 100K-LED



LEDtube MAS EU2 11,9W 100K LumenVsTc-LMP



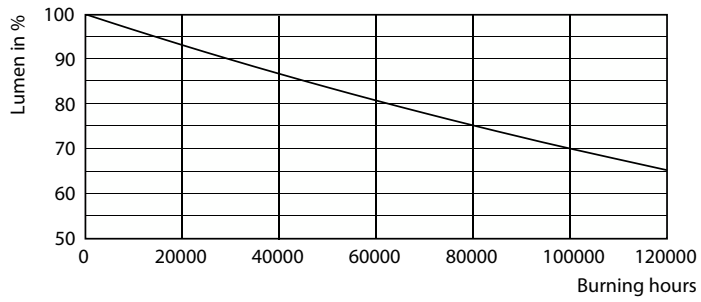
LEDtube 100K 4060 FailureRate-LED



LEDtube 100K 4060 LifetimeVsTc-LED

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Lifetime



LEDtube 100K-LMP

