



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		LLMF at end of nominal lifetime (nom.) 70 %	
Cap base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]	Operating and electrical	
EU RoHS compliant	Yes	Input frequency	50 to 60 Hz
Nominal lifetime (nom.)	100000 h	Power (Rated) (Nom)	11.9 W
Switching cycle	200,000X	Lamp current (max.)	63 mA
Technical type	LEDTECH-LOV	Lamp current (min.)	48 mA
	Sphere	Starting time (nom.)	1 s
Tier	MASTER	Warm-up time to 60% light (nom.)	1 s
Light technical		Power factor (nom.)	0.9
Colour Code	840 [CCT of 4,000 K]	Voltage (Nom)	220-240 V
Beam Angle (Nom)	160 °	Temperature	
Luminous flux (nom.)	2500 lm	T-ambient (max.)	45 °C
Colour designation	Cool White (CW)	T-ambient (min.)	-20 °C
Correlated Colour Temperature (Nom)	4000 K	T storage (max.)	65 °C
Luminous efficacy (rated) (nom.)	210 lm/W	T storage (min.)	-40 °C
Colour consistency	<6	T-Case maximum (nom.)	40 °C
Colour rendering index (nom.)	80		

MASTER LEDtube T8 Ultra Efficient

Controls and dimming

Dimmable	No
----------	----

Mechanical and housing

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

Approval and application

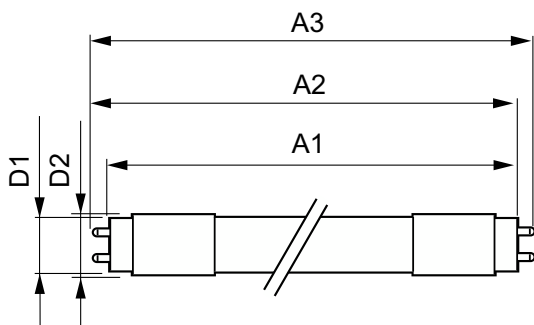
Energy Efficiency Class	A
Energy-saving product	Yes
Approval marks	TUV
Approval marks	RoHS compliance CE marking KEMA Keur certificate

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

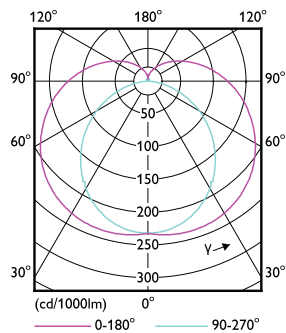
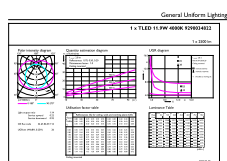
Dimensional drawing



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

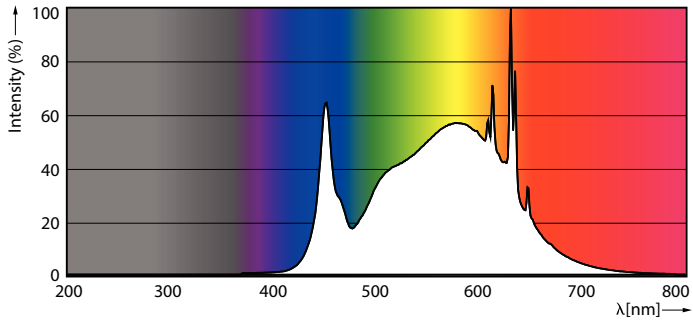


General uniform lighting

Light Distribution Diagram

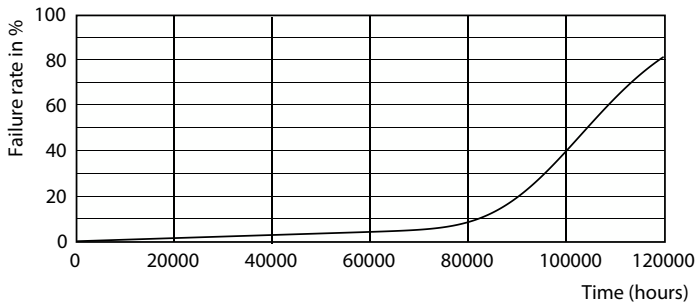
MASTER LEDtube T8 Ultra Efficient

Photometric data

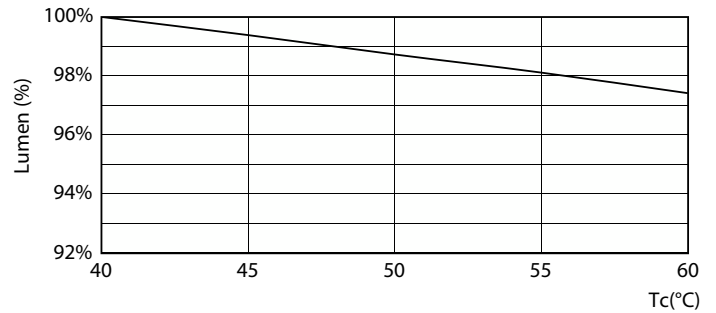


Spectral Power Distribution Colour

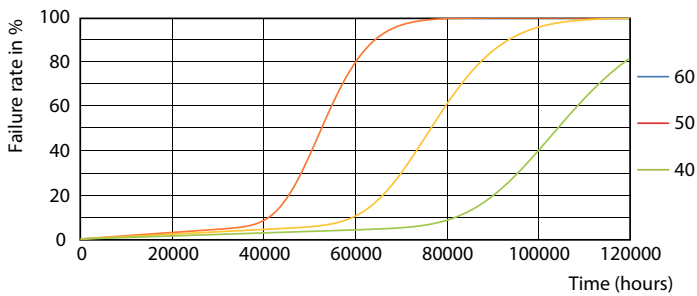
Lifetime



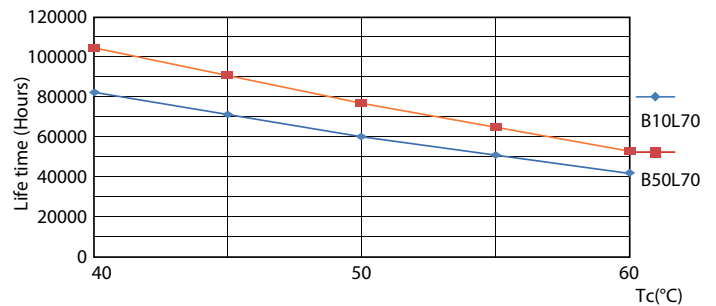
LEDtube 100K-LED



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



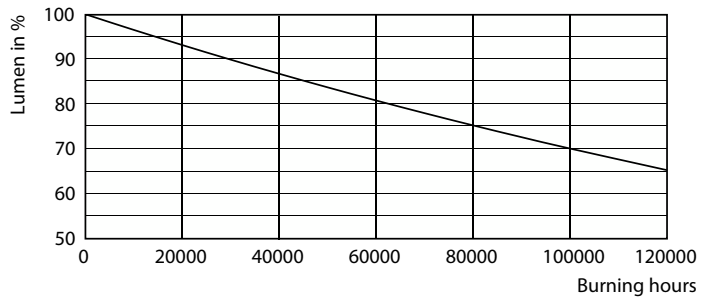
LEDtube 100K 4060 FailureRate-LED



LEDtube 100K 4060 LifetimeVsTc-LED

MASTER LEDtube T8 Ultra Efficient

Lifetime



LEDtube 100K-LMP

