



# 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]
Nominal lifetime	100,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,500 lumen
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	210 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	11.9 W
Starting Time (Nom)	1 s
Warm-up time to 60% light	1 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	40 °C

Controls and Dimming	
Dimmable	No

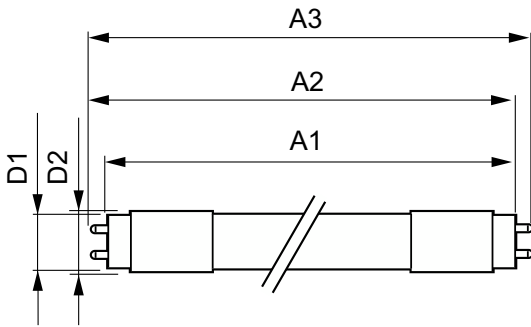
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic

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Product Length	1,200 mm
Bulb Shape	Tube, double-ended
<b>Approval and Application</b>	
Energy Efficiency Class	A
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	12 kWh
EPREL Registration Number	1,013,082
CE mark	Yes
EU RoHS compliant	Yes

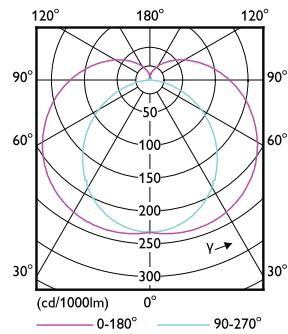
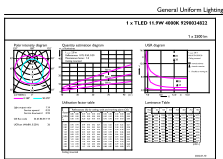
<b>Product Data</b>	
Full product code	871951443166900
Order product name	MAS LEDtube 1200mm UE 11.9W 840 T8 EELA
Order code	929003482202
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929003482202
Full product name	MAS LEDtube 1200mm UE 11.9W 840 T8 EELA
EAN/UPC - Case	8719514431676

## 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

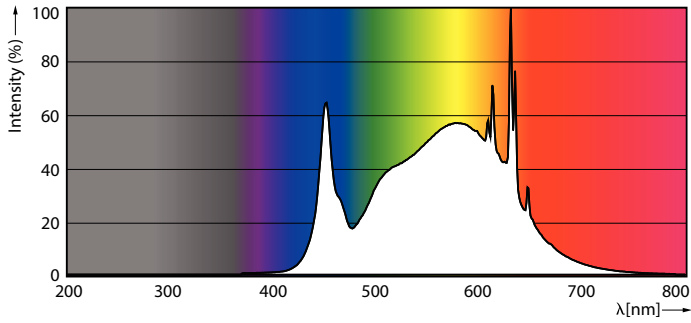
## Photometric data



Light Distribution Diagram - MAS LEDtube 1200mm UE 11.9W 840 T8 EELA

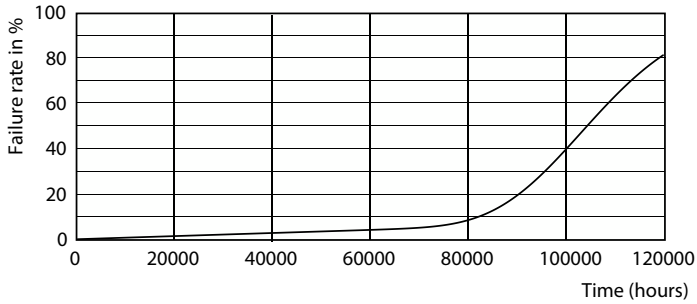
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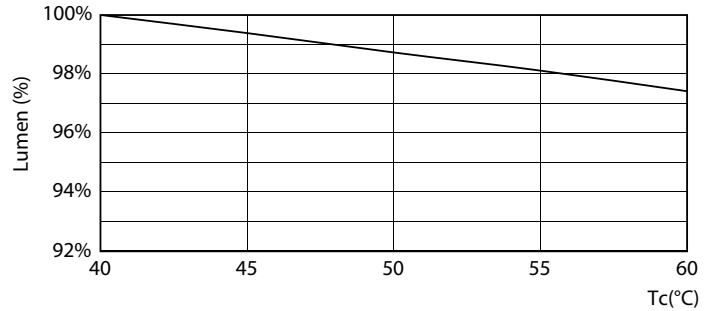


Spectral Power Distribution Colour - MAS LEDtube 1200mm UE 11.9W 840 T8 EELA

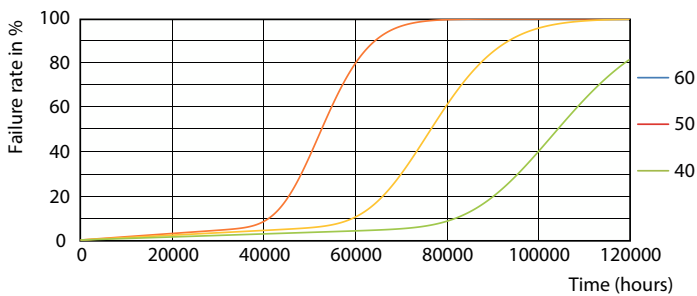
## Lifetime



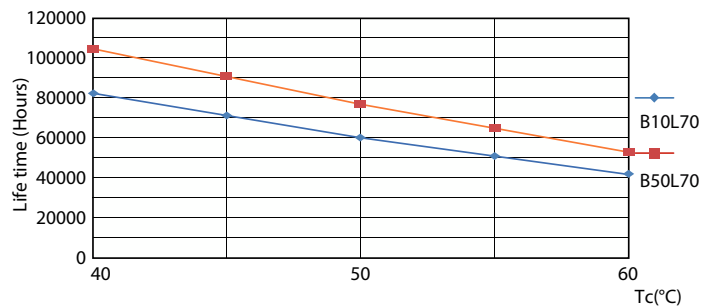
Life Expectancy Diagram - MAS LEDtube 1200mm UE 11.9W 840 T8 EELA



Lumen Maintenance Diagram - MAS LEDtube 1200mm UE 11.9W 840 T8 EELA



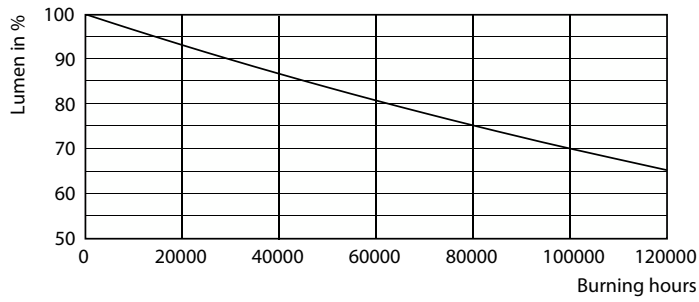
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Life Expectancy Diagram - MAS LEDtube 1200mm UE 11.9W 840 T8 EELA

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## Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1200mm UE 11.9W 840 T8  
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