



# MASTER LEDtube EM/ Mains T8



## MAS LEDtube 1200mm HO 12.5W 840 T8

The Philips MASTER LEDtube integrates a LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance, which cannot be distinguished from traditional fluorescent. These T8 LED tubes are the right choice for absolute performance and are designed to stand up to everyday conditions. Unparalleled savings thanks to low energy consumption and an exceptionally long lifetime ensure this tube masters every demanding application.

### Warnings and Safety

- NOTE: The overall energy efficiency and light distribution of any installation that uses these lamps will be determined by the design of the installation.

### Product data

General Information	
Lighting Technology	LED
Flux measurement reference	Sphere
Switching Cycle	200,000
Nominal lifetime	75,000 hour(s)
Cap-Base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,100 lumen
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K

Luminous Efficacy (rated) (Nom)	168 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	0.4

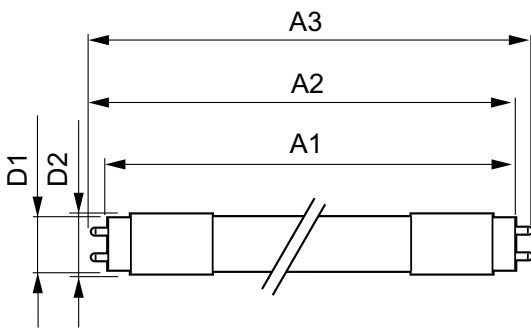
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	12.5 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9

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Voltage (Nom)	220-240 V
<b>Temperature</b>	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	50 °C
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	Tube, double-ended
<b>Approval and Application</b>	
Energy Efficiency Class	C
Energy Saving Product	Yes

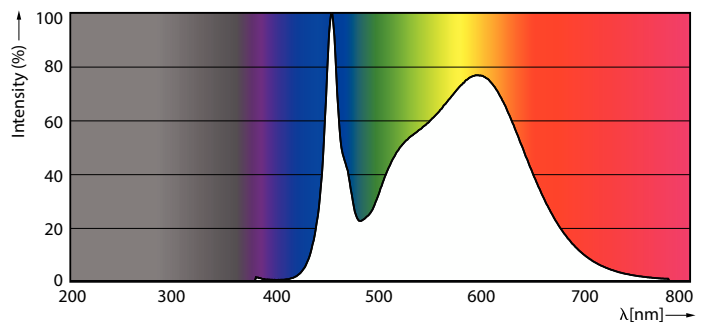
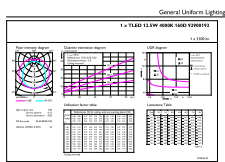
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	13 kWh
EPREL Registration Number	1206967
CE mark	Yes
EU RoHS compliant	Yes
<b>Product Data</b>	
Full product code	871869959237000
Order product name	MAS LEDtube 1200mm HO 12.5W 840 T8
Order code	929001922702
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929001922702
Full product name	MAS LEDtube 1200mm HO 12.5W 840 T8
EAN/UPC - Case	8718699592387

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO 12.5W 840 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

## Photometric data

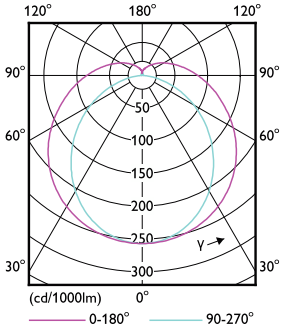


General uniform lighting - MAS LEDtube 1200mm HO 12.5W 840 T8

Spectral Power Distribution Colour - MAS LEDtube 1200mm HO 12.5W 840 T8

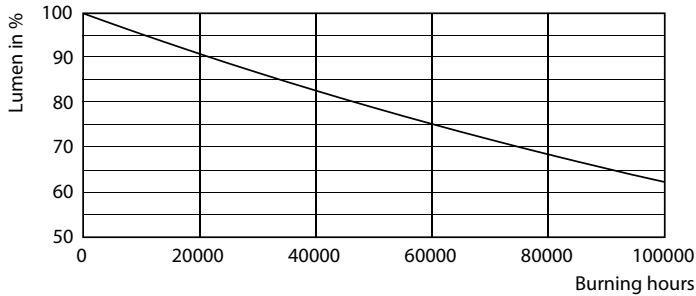
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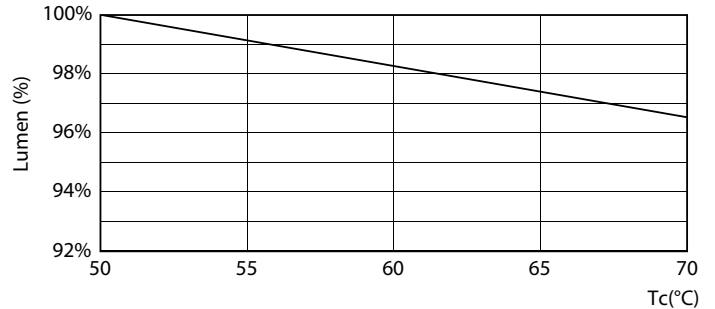


Light Distribution Diagram - MAS LEDtube 1200mm HO 12.5W 840 T8

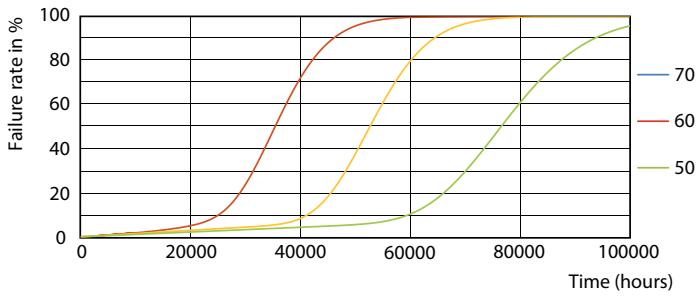
## Lifetime



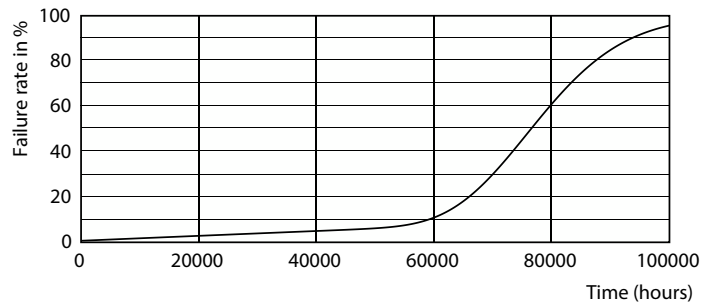
Lumen Maintenance Diagram - MAS LEDtube 1200mm HO 12.5W 840 T8



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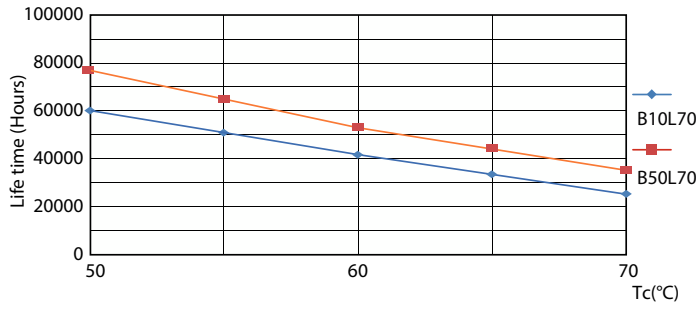
Life Expectancy Diagram - MAS LEDtube 1200mm HO 12.5W 840 T8



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## Lifetime



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