PHILIPS

Lighting

MASTER LEDtube InstantFit HF

MASTER LEDtube HF 1200mm UO 16W865 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. This product is the ideal solution for up lamping in general lighting applications.

Warnings and Safety

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

Product data

General Information	
Cap base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]
Nominal lifetime	60,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes

Light Technical	
Colour Code	865 [CCT of 6500K]
Beam angle (nom.)	160 degree(s)
Luminous Flux	2,500 lm
Colour designation	Cool Daylight
Correlated Colour Temperature	6500 K
Luminous efficacy (rated) (nom.)	156 lm/W
Colour consistency	<6
Colour rendering index (CRI)	83
LLMF at end of nominal lifetime (nom.)	70 %

Operating and Electrical	
Line Frequency	20000-75000 Hz
Input frequency	20000-75000 Hz
Power Consumption	16 W
Lamp current (max.)	700 mA
Lamp current (min.)	300 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	30-80 V

Temperature	
Ambient temperature range	-20°C to 45°C

MASTER LEDtube InstantFit HF

T-Case maximum (nom.)	55 °C

EPREL registration number	387374

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb material	Plastic
Product length	1,200 mm

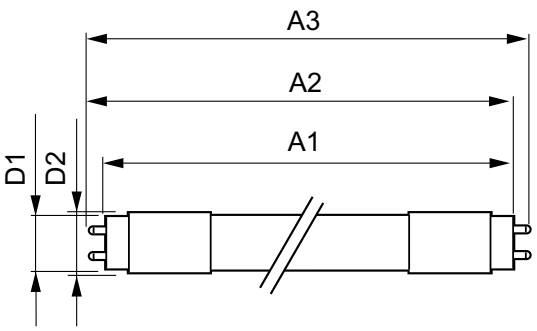
Approval and Application

Energy Efficiency Class	D
Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	16 kWh

Product Data

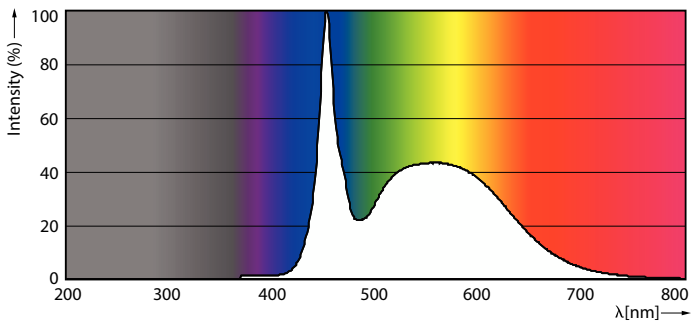
Order product name	MAS LEDtube HF 1200mm UO 16W865 T8
Full product name	MASTER LEDtube HF 1200mm UO 16W865 T8
Full EOC	871869668798700
Order code	68798700
Material no. (12 NC)	929001300102
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696687987
Numerator – packs per outer box	10
EAN/UPC - Case	8718696687994

Dimensional drawing

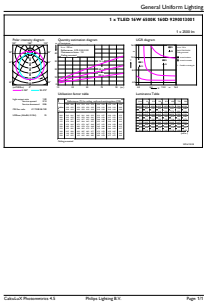


Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1200mm UO 16W865 T8	25.6 mm	28 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm

Photometric data



Spectral Power Distribution Colour - MAS LEDtube HF 1200mm UO 16W865 T8



General uniform lighting - MAS LEDtube HF 1200mm UO 16W865 T8

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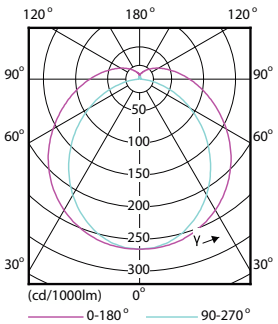
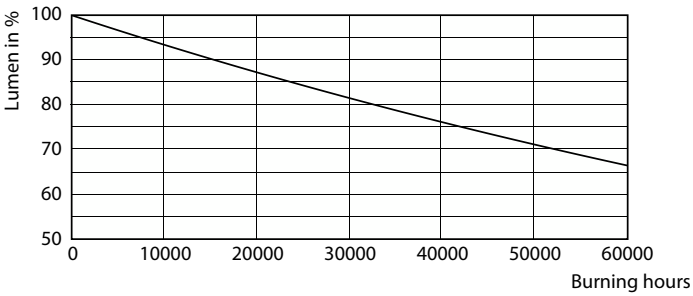
Photometric data

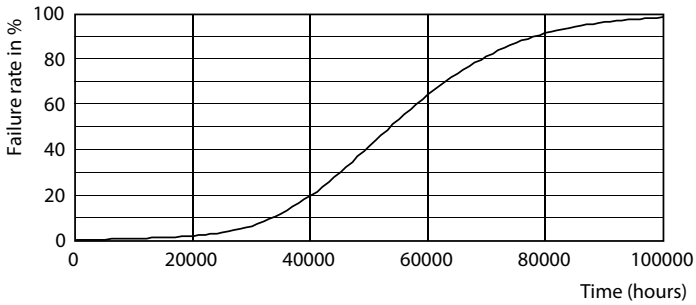


Light Distribution Diagram - MAS LEDtube HF 1200mm UO 16W865 T8

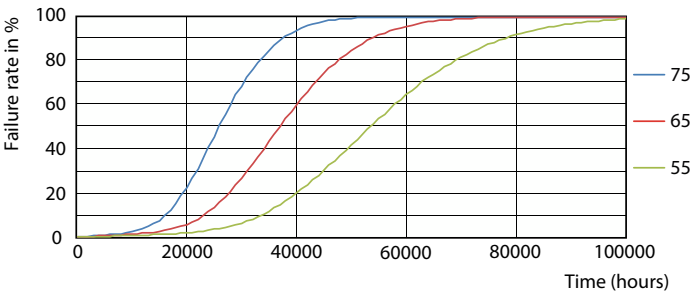
Lifetime



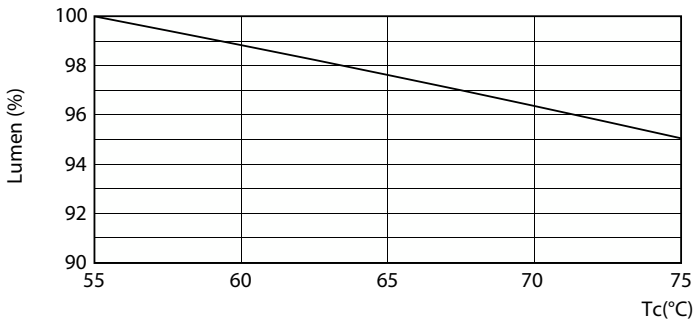
Lumen Maintenance Diagram - MAS LEDtube HF 1200mm UO 16W865 T8



Life Expectancy Diagram - MAS LEDtube HF 1200mm UO 16W865 T8



Life Expectancy Diagram - MAS LEDtube HF 1200mm UO 16W865 T8



Lumen Maintenance Diagram - MAS LEDtube HF 1200mm UO 16W865 T8

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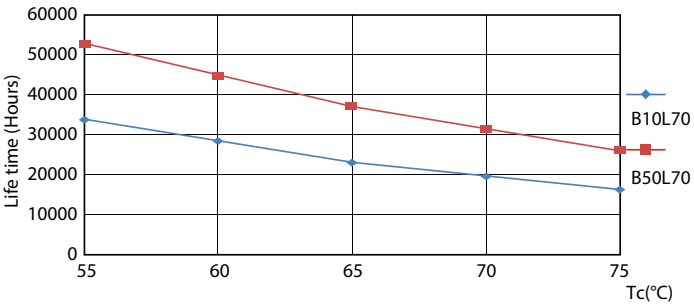
Lifetime



Life Expectancy Diagram - MAS LEDtube HF 1200mm UO 16W865 T8

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