



MASTER LEDtube InstantFit HF T8



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. The MASTER LEDtube Performance is the ideal solution for customers which have higher light requirements and the want to maximize value over lifetime.(need the longest lifetime). Full energy savings and TCO benefits.

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
Nominal lifetime	60,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes
Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,500 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K

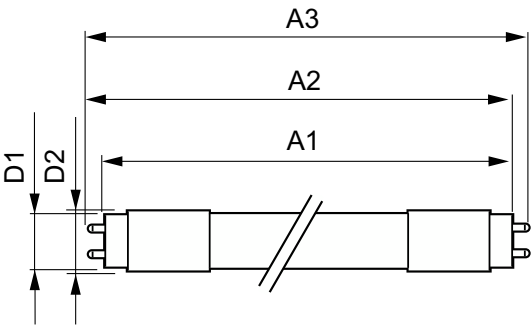
Luminous Efficacy (rated) (Nom)	156 lm/W
Color Consistency	<6
Color rendering index (CRI)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	20000-75000 Hz
Input Frequency	20000-75000 Hz
Power Consumption	16 W
Lamp Current (Max)	700 mA
Lamp Current (Min)	300 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9

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Voltage (Nom)	30-80 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	55 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	T8
Approval and Application	
Energy Efficiency Class	D
Energy Saving Product	Yes

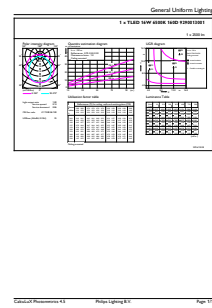
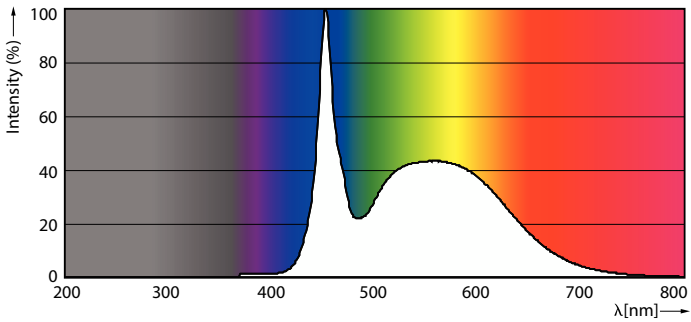
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	16 kWh
EPREL Registration Number	387374
Product Data	
Order product name	MAS LEDtube HF 1200mm UO 16W865 T8
Full product name	MASTER LEDtube HF 1200mm UO 16W865 T8
Full product code	871869668798700
Order code	68798700
Material Nr. (12NC)	929001300102
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

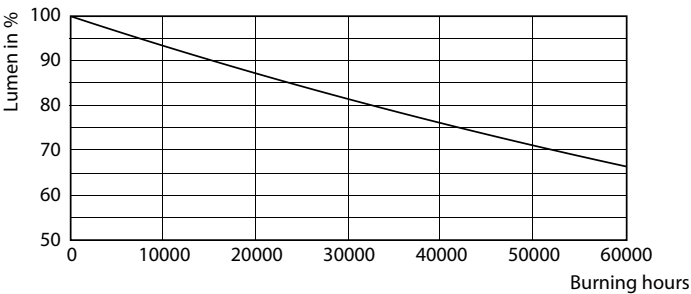
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Photometric data

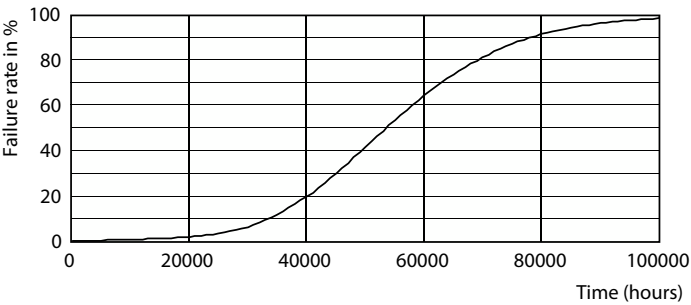


Light Distribution Diagram - MAS LEDtube HF 1200mm UO 16W865 T8

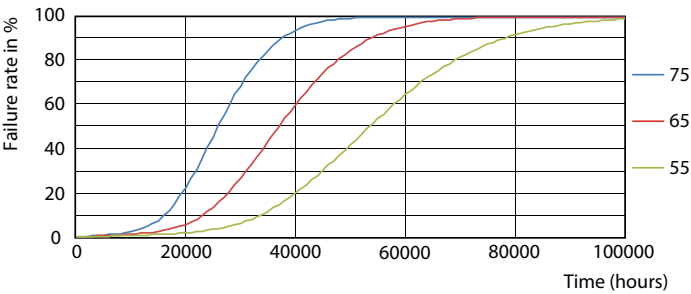
Lifetime



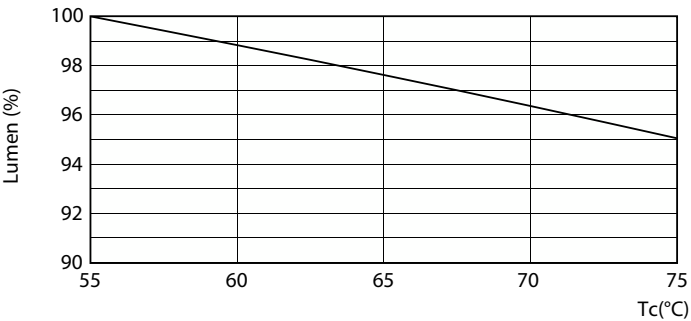
Lumen Maintenance Diagram - MAS LEDtube HF 1200mm UO 16W865 T8



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



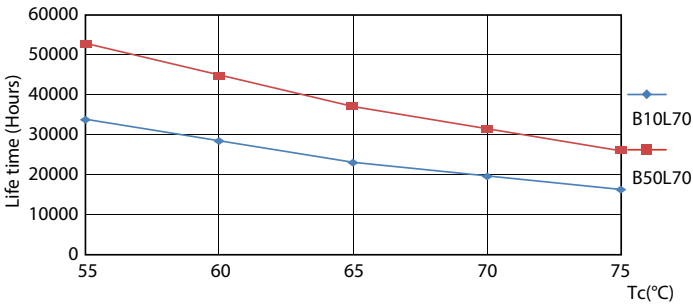
Life Expectancy Diagram - MAS LEDtube HF 1200mm UO 16W865 T8



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Lifetime



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