PHILIPS

Lighting



MASTER LEDtube InstantFit HF T8



MASTER LEDtube HF 600mm HO 8W830 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
EU RoHS compliant	Yes

Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	1,000 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	125.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	20000-80000 Hz
Input Frequency	20000-80000 Hz
Power Consumption	8 W
Lamp Current (Max)	500 mA
Lamp Current (Min)	150 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	20-50 V

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Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	60 °C

Controls and Dimming	
Dimmable	No

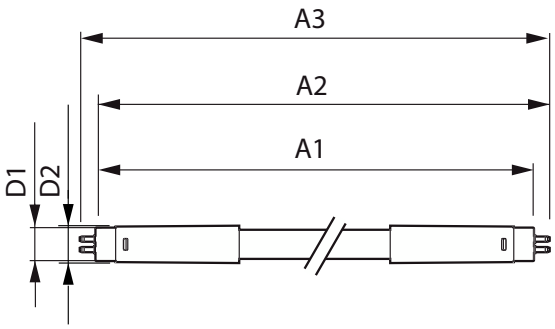
Mechanical and Housing	
Bulb Material	Plastic
Product Length	600 mm
Bulb Shape	T8

Approval and Application	
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	1597256

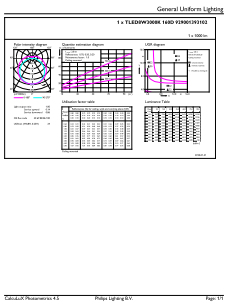
Product Data	
Order product name	MAS LEDtube HF 600mm HO 8W830 T8
Full product name	MASTER LEDtube HF 600mm HO 8W830 T8
Full product code	871869674353900
Order code	74353900
Material Nr. (12NC)	929001393102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696743539
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696743546

Dimensional drawing

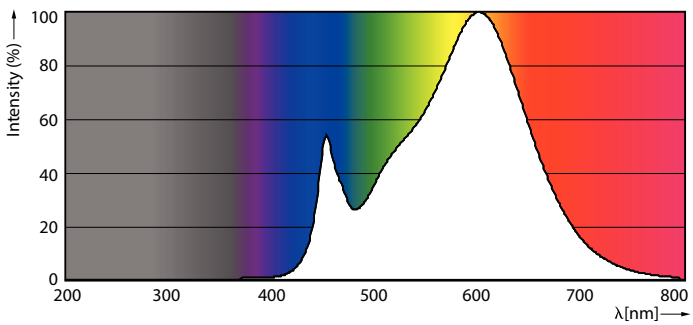


Product	D1	D2	A1	A2	A3
MAS LEDtube HF 600mm HO 8W830 T8	25.8 mm	28 mm	588.6 mm	595.7 mm	602.8 mm

Photometric data



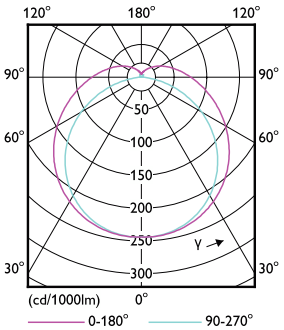
General uniform lighting - MAS LEDtube HF 600mm HO 8W830 T8



Spectral Power Distribution Colour - MAS LEDtube HF 600mm HO 8W830 T8

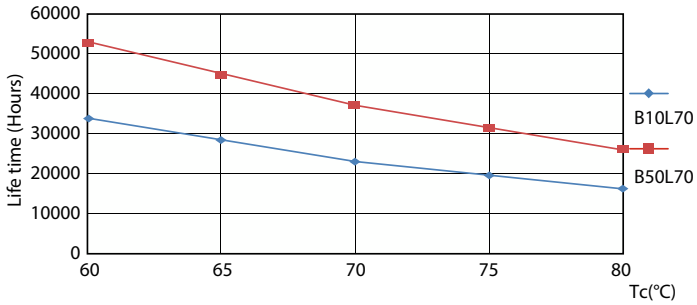
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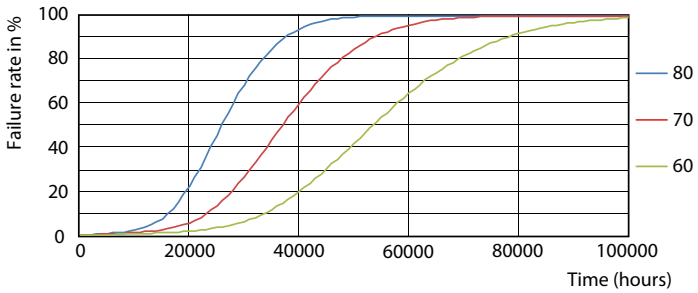


Light Distribution Diagram - MAS LEDtube HF 600mm HO 8W830 T8

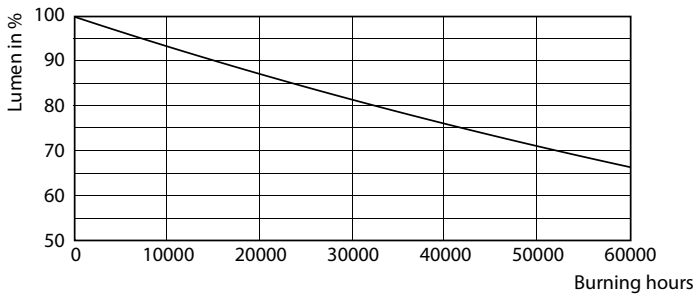
Lifetime



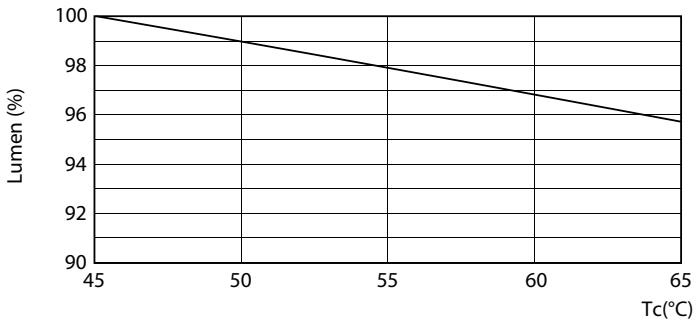
Life Expectancy Diagram - MAS LEDtube HF 600mm HO 8W830 T8



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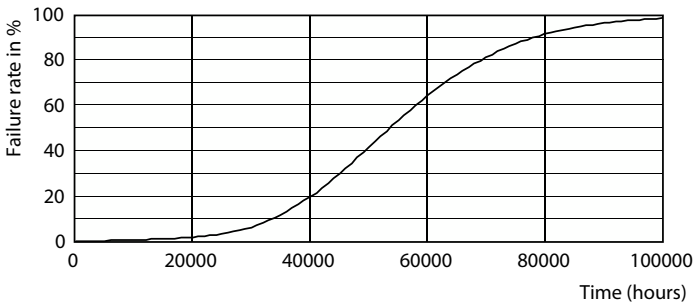
Lumen Maintenance Diagram - MAS LEDtube HF 600mm HO 8W830 T8



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Lifetime



Life Expectancy Diagram - MAS LEDtube HF 600mm HO 8W830 T8

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