



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 (Rotating) [Medium Bi-Pin Fluorescent]
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

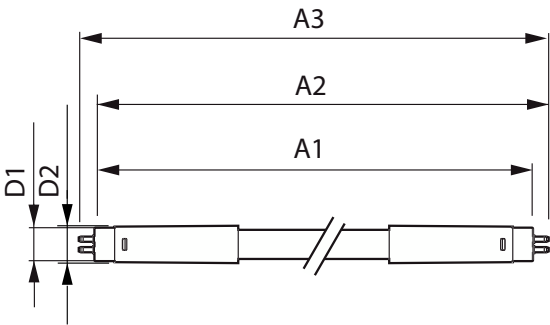
Luminous Efficacy (rated) (Nom)	125.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	20000-80000 Hz
Input Frequency	20000-80000 Hz
Power Consumption	8 W
Lamp Current (Max)	500 mA
Lamp Current (Min)	150 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9

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Voltage (Nom)	20-50 V
Temperature	
Ambient temperature range	-4 °F to 113 °F
T-Case Maximum (Nom)	140 °F
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Material	Plastic
Product Length	23-5/8 inch
Bulb Shape	T8
Approval and Application	
Energy Efficiency Class	E
Energy Saving Product	Yes

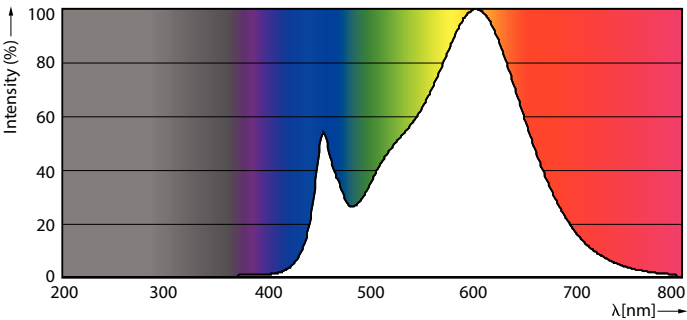
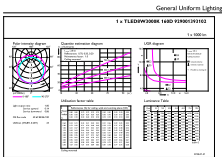
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	1597256
Product Data	
Order product name	MAS LEDtube HF 600mm HO 8W830 T8
Full product name	MASTER LEDtube HF 600mm HO 8W830 T8
Full product code	871869674353900
Order code	345777
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	1-1/16 inch	1-1/8 inch	23-3/16 inch	23-1/2 inch	23-3/4 inch

Photometric data

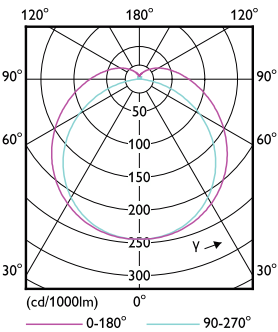


General uniform lighting - MAS LEDtube HF 600mm HO 8W830 T8

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

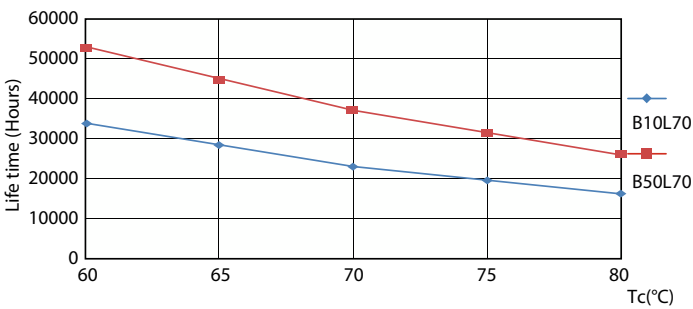
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Photometric data

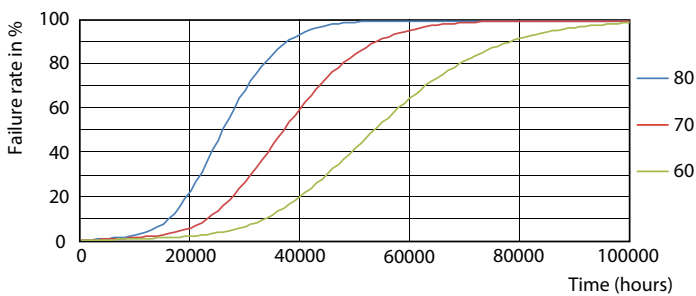


Light Distribution Diagram - MAS LEDtube HF 600mm HO 8W830 T8

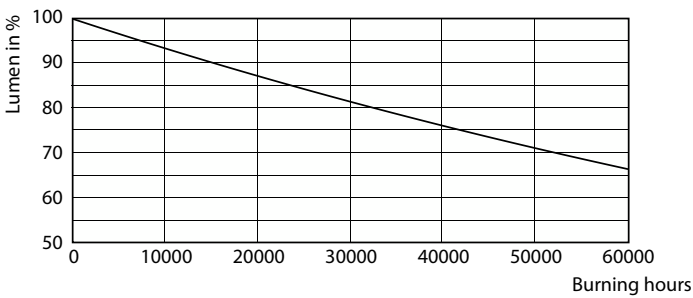
Lifetime



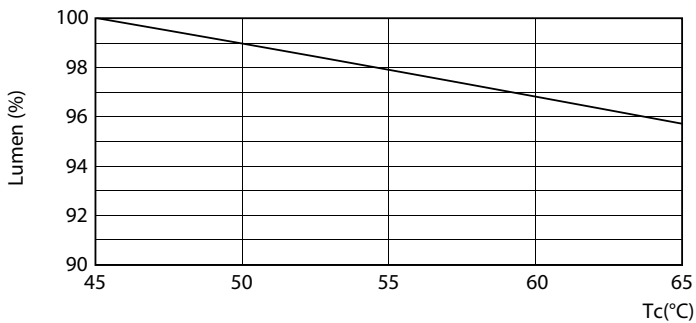
Life Expectancy Diagram - MAS LEDtube HF 600mm HO 8W830 T8



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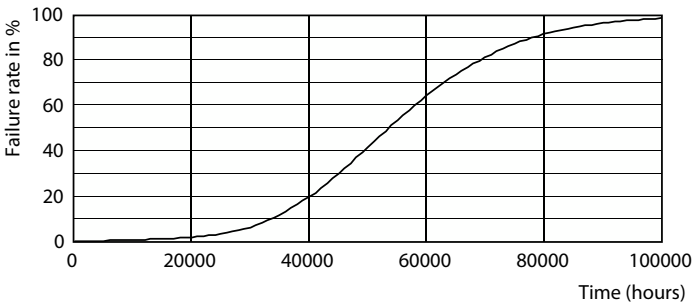
Lumen Maintenance Diagram - MAS LEDtube HF 600mm HO 8W830 T8



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Lifetime



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

