PHILIPS

Lighting



MASTER LEDtube InstantFit HF



MASTER LEDtube HF 600mm HO 8W865 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]
EU RoHS compliant	Yes
Nominal lifetime (nom.)	75000 h
Switching cycle	50,000X
	Sphere

Light technical	
Colour Code	865 [CCT of 6,500 K]
Beam Angle (Nom)	160 °
Luminous flux (nom.)	1050 lm
Colour designation	Cool Daylight
Correlated Colour Temperature (Nom)	6500 K
Luminous efficacy (rated) (nom.)	131 lm/W
Colour consistency	<6
Colour rendering index (nom.)	80
LLMF at end of nominal lifetime (nom.)	70 %

Operating and electrical	
Input frequency	20000-120000 Hz
Power (Rated) (Nom)	8 W
Lamp current (max.)	500 mA
Lamp current (min.)	150 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light (nom.)	0.5 s
Power factor (nom.)	0.9
Voltage (Nom)	20-50 V

Temperature	
T-ambient (max.)	45 °C
T-ambient (min.)	-20 °C
T storage (max.)	65 °C
T storage (min.)	-40 °C

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T-Case maximum (nom.)	55 °C

Controls and dimming

Dimmable	No

Mechanical and housing

Lamp Finish	Frosted
Bulb material	Plastic
Product length	600 mm
Bulb shape	Tube, double-ended

Approval and application

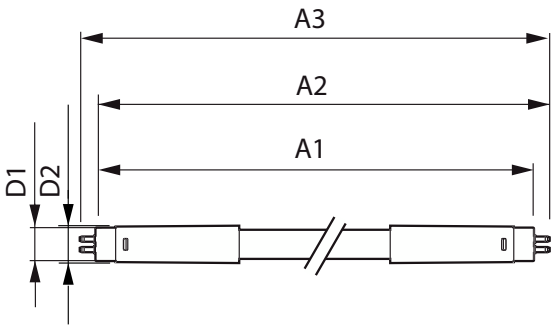
Energy Efficiency Class	E
Energy-saving product	Yes
Approval marks	TUV
Approval marks	RoHS compliance CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	8 kWh
	1251111

Product data

Full product code	871951446644900
Order product name	MASTER LEDtube HF 600mm HO 8W865 T8
EAN/UPC – product	8719514466449
Order code	46644900
SAP numerator – quantity per pack	1
Numerator – packs per outer box	20
SAP material	929001393332
Net Weight (Piece)	0.130 kg

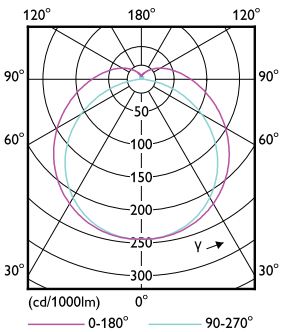
Dimensional drawing



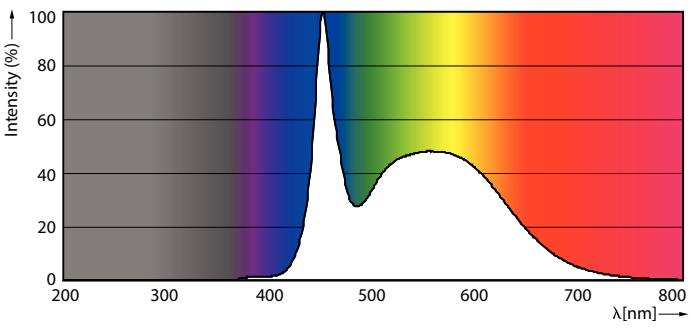
MASTER LEDtube HF 600mm HO 8W865 T8

Product	D1	D2	A1	A2	A3
MASTER LEDtube HF 600mm HO 8W865 T8	25.8 mm	28 mm	588.6 mm	595.7 mm	602.8 mm

Photometric data



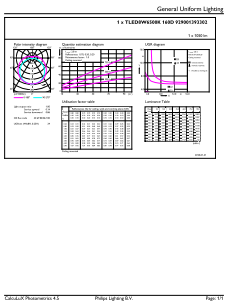
Light Distribution Diagram



Spectral Power Distribution Colour

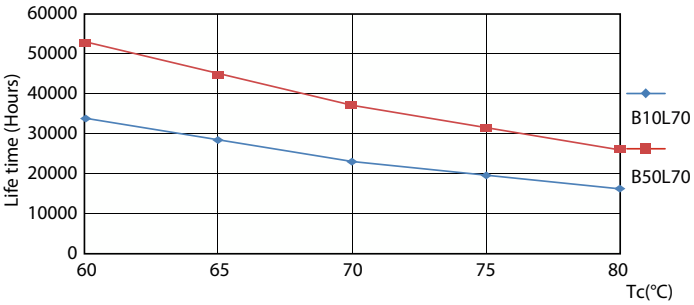
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Photometric data

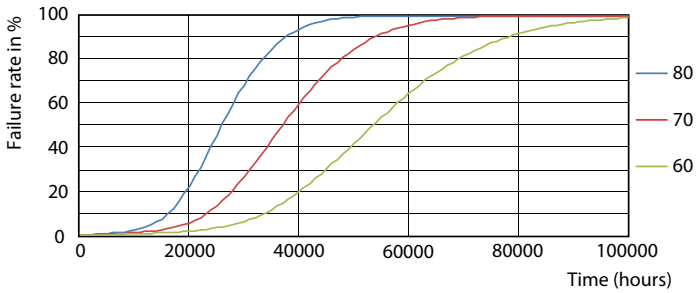


General uniform lighting

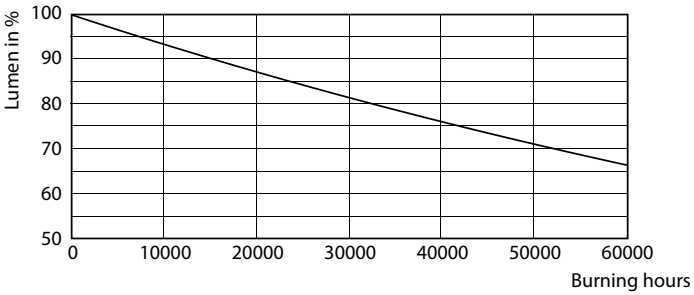
Lifetime



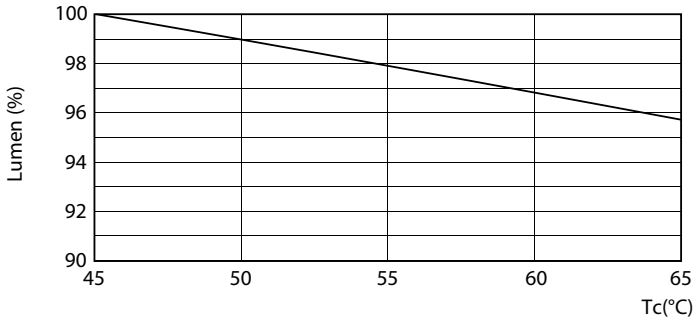
LifetimeVsTc



FailureRate



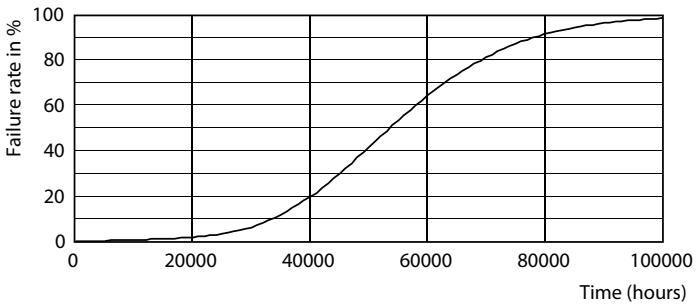
Lumen Maintenance Diagram



LumenVsTc

MASTER LEDtube InstantFit HF

Lifetime



Life Expectancy Diagram

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