PHILIPS

Lighting



MASTER LEDtube InstantFit HF



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. 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	830 [CCT of 3,000 K]
Beam Angle (Nom)	160 °
Luminous flux (nom.)	1000 lm
Colour designation	White (WH)
Correlated Colour Temperature (Nom)	3000 K
Luminous efficacy (rated) (nom.)	125 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
	600 mm
Bulb shape	Tube, double-ended

Approval and application

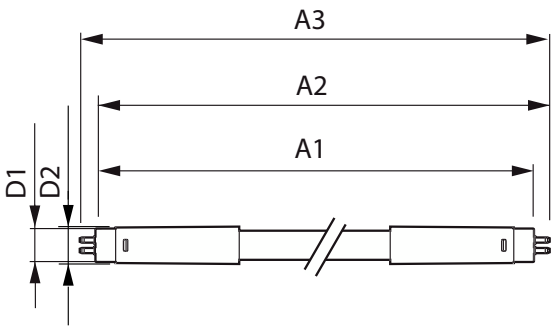
Energy Efficiency Class	E
Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	8 kWh
	1251109

Product data

Full product code	871951446640100
Order product name	MASTER LEDtube HF 600mm HO 8W830 T8
EAN/UPC – product	8719514466401
Order code	46640100
SAP numerator – quantity per pack	1
Numerator – packs per outer box	20
SAP material	929001393132
Net Weight (Piece)	0.130 kg

Dimensional drawing



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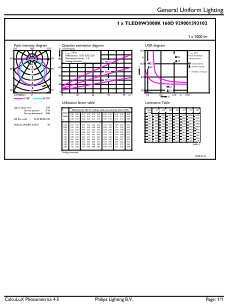
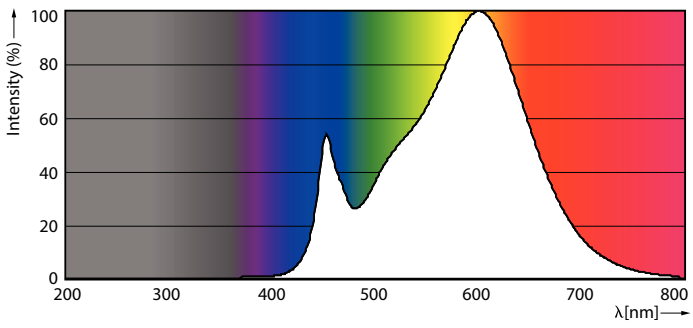
Product	D1	D2	A1	A2	A3
MASTER LEDtube HF 600mm HO 8W830 T8	25.8 mm	28 mm	588.6 mm	595.7 mm	602.8 mm

Photometric data



General uniform lighting



Spectral Power Distribution Colour

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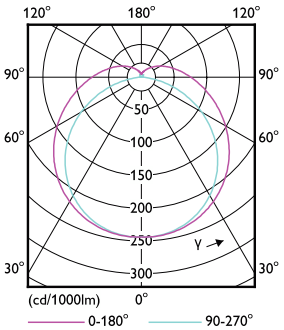
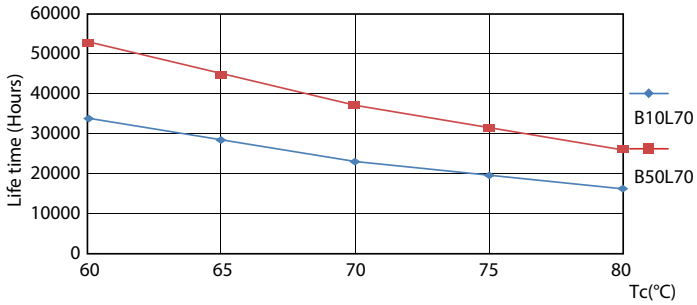
Photometric data

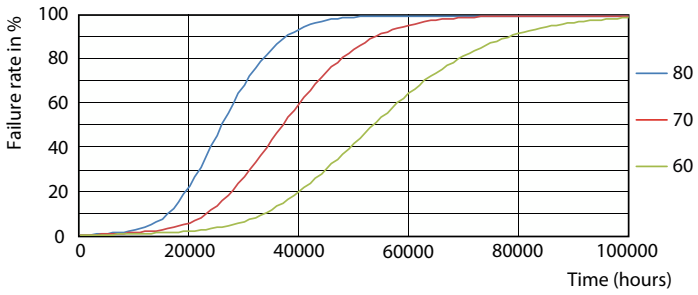


Light Distribution Diagram

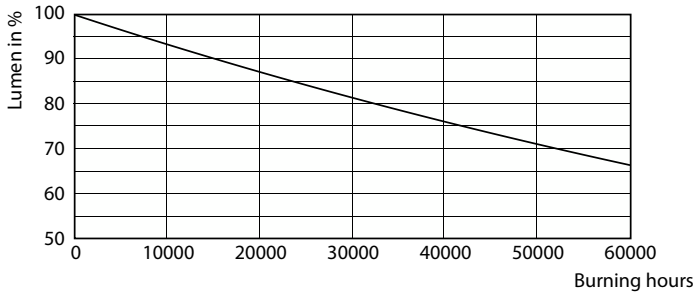
Lifetime



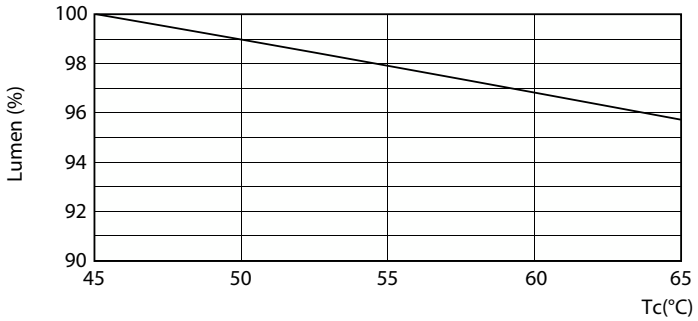
LifetimeVsTc



FailureRate



Lumen Maintenance Diagram



LumenVsTc

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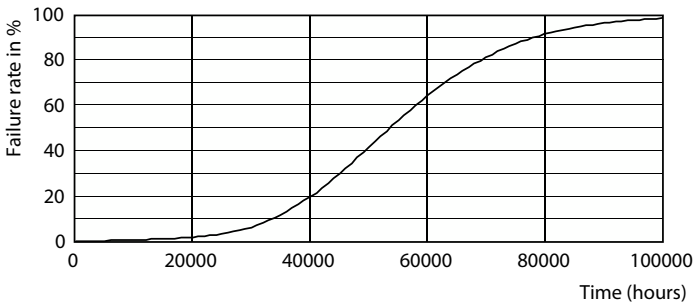
Lifetime



Life Expectancy Diagram

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