PHILIPS

Lighting



MASTER LEDtube InstantFit HF



MASTER LEDtube HF 1200mm HO 14W840 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
Tier	Master

Light technical	
Colour Code	840 [CCT of 4,000 K]
Beam Angle (Nom)	160 °
Luminous flux (nom.)	2100 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	150 lm/W
Colour consistency	<6
Colour rendering index (nom.)	80
LLMF at end of nominal lifetime (nom.)	70 %

Operating and electrical	
Input frequency	20000-75000 Hz
Power (Rated) (Nom)	14 W
Lamp current (max.)	750 mA
Lamp current (min.)	300 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light (nom.)	0.5 s
Power factor (nom.)	0.9
Voltage (Nom)	30-80 V

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

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T storage (min.)	-40 °C
T-Case maximum (nom.)	55 °C

Energy consumption kWh/1,000 hours	14 kWh
	1165509

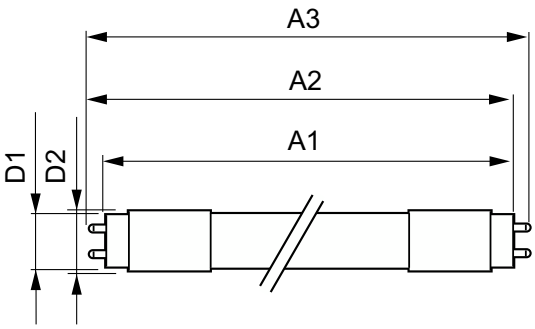
Controls and dimming	
Dimmable	Yes – Check ballast compatibility

Mechanical and housing	
Lamp Finish	Frosted
Bulb material	Plastic
	1200 mm
Bulb shape	Tube, double-ended

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

Product data	
Full product code	871951446684500
Order product name	MASTER LEDtube HF 1200mm HO 14W840 T8
EAN/UPC – product	8719514466845
Order code	46684500
SAP numerator – quantity per pack	1
Numerator – packs per outer box	20
SAP material	929003553502
Net Weight (Piece)	0.230 kg

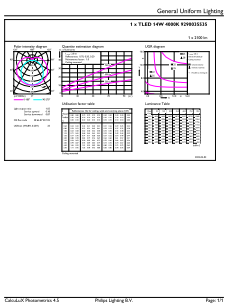
Dimensional drawing



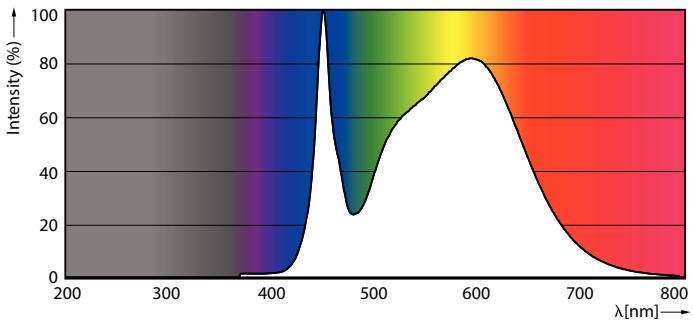
MASTER LEDtube HF 1200mm HO 14W840 T8

Product	D1	D2	A1	A2	A3
MASTER LEDtube HF 1200mm HO 14W840 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm

Photometric data



General uniform lighting



Spectral Power Distribution Colour

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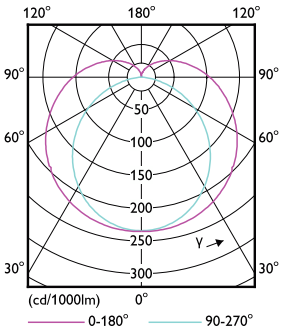
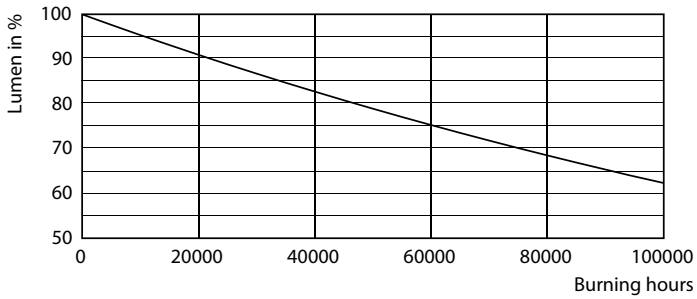
Photometric data

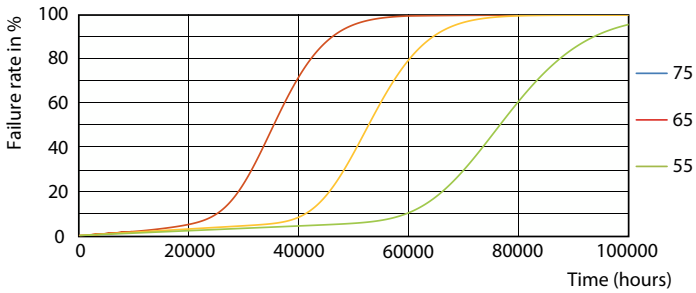


Light Distribution Diagram

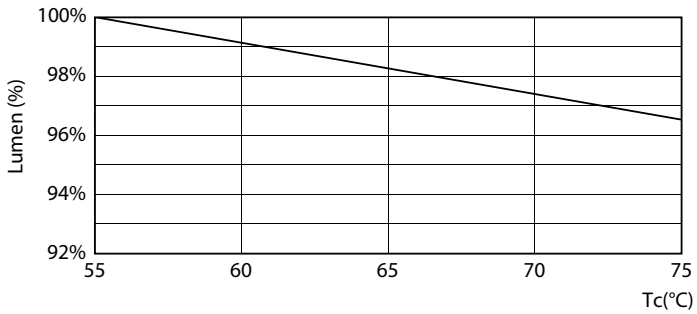
Lifetime



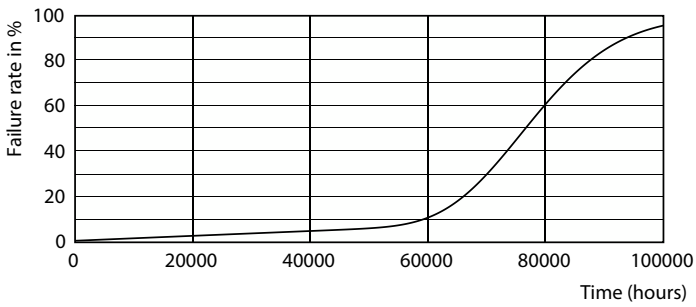
Lumen Maintenance Diagram



FailureRate



LumenVsTc



Life Expectancy Diagram

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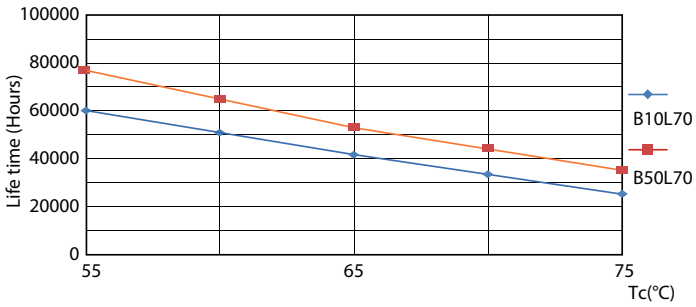
Lifetime



LifetimeVsTc

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