



MASTER LEDtube InstantFit HF T5

Master LEDtube HF 1200mm HE 16.5W 865 T5

The Philips MASTER LEDtube integrates an LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance, which cannot be distinguished from traditional fluorescents. These T5 lighting tubes are the right choice for absolute performance and are designed to stand up to everyday conditions. Unparalleled savings, thanks to low energy consumption and an exceptionally long lifetime, make these T5 LED tubes the choice for every demanding applications.

Product data

General Information	
Cap base	G5 [G5]
EU RoHS compliant	Yes
Nominal lifetime (nom.)	60000 h
Switching cycle	50,000X
	Sphere

Light Technical	
Colour Code	865 [CCT of 6,500 K]
Beam Angle (Nom)	200 °
Luminous flux (nom.)	2500 lm
Colour designation	Cool Daylight
Correlated Colour Temperature (Nom)	6500 K
Luminous efficacy (rated) (nom.)	151.00 lm/W
Colour consistency	<6
Colour rendering index (nom.)	80
LLMF at end of nominal lifetime (nom.)	70 %

Operating and Electrical	
Input frequency	30K to 100K Hz
Power (Rated) (Nom)	16.5 W
Lamp current (max.)	350 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.)	0.92
Voltage (Nom)	70-120 V

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

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Controls and Dimming

Dimmable Yes – Check ballast compatibility

Mechanical and Housing

Lamp Finish Frosted
Bulb material Glass
Product length 1200 mm
Bulb shape Tube, double-ended

Approval and Application

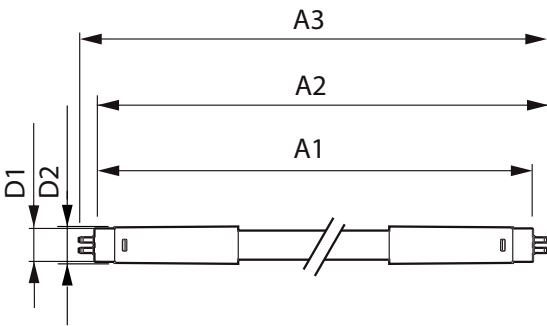
Energy Efficiency Class D
Energy-saving product Yes
Approval marks RoHS compliance TUV CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours 17 kWh
 406188

Product Data

Full product code 871869674333100
Order product name Master LEDtube HF 1200mm HE 16.5W 865 T5
EAN/UPC – product 8718696743331
Order code 74333100
SAP numerator – quantity per pack 1
Numerator – packs per outer box 10
SAP material 929001391202
SAP net weight (piece) 0.159 kg

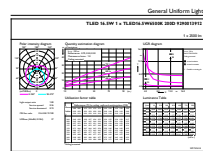
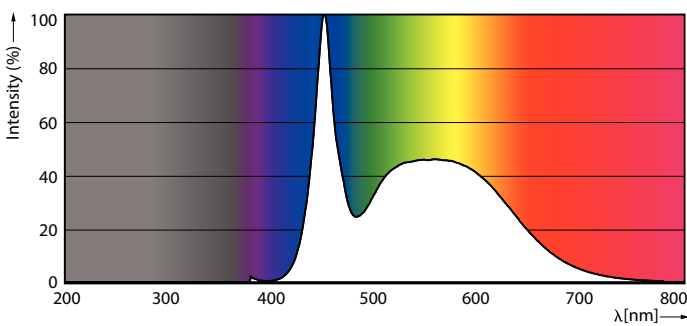
Dimensional drawing



Master LEDtube HF 1200mm HE 16.5W 865 T5

Product	D1	D2	A1	A2	A3
Master LEDtube HF 1200mm HE 16.5W 865 T5	15.5 mm	18.8 mm	1149 mm	1156.1 mm	1163.2 mm

Photometric data

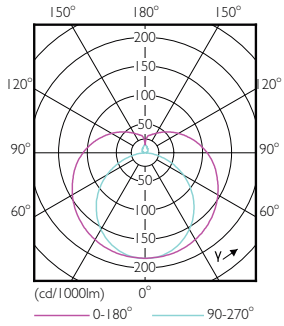


LEDtubes, TLED T12 120-277V 20W 6500K G13

LEDtube 1200mm 16-5W G5 865 2500lm

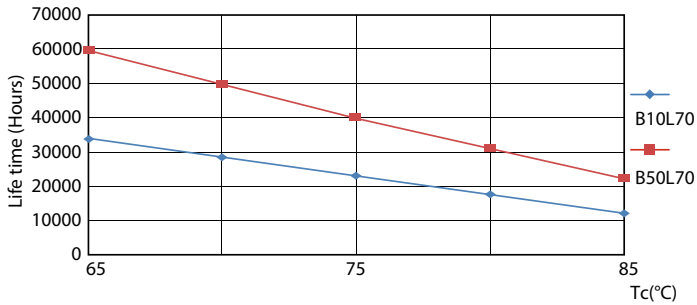
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Photometric data

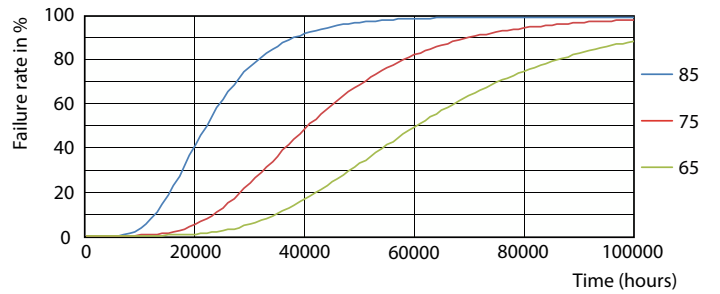


LEDtube 600mm 8W G5 830 1000lm

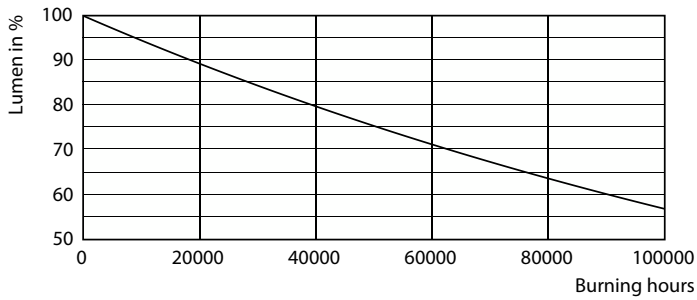
Lifetime



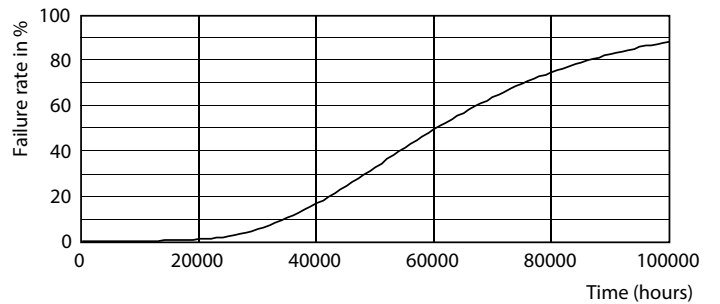
LifetimeVsTc



FailureRate



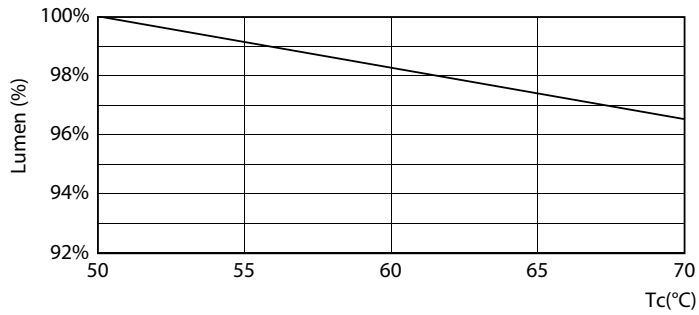
Lumen Maintenance Diagram



Life Expectancy Diagram

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Lifetime



LEDtube MAS SLR 16,5W 60K LumenVsTc-LMP

