



MASTER LEDtube InstantFit HF T5



Master LEDtube HF 1500mm HE 20W 840 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	840 [CCT of 4,000 K]
Technical Beam Angle (Nom)	200 °
Lamp Luminous Flux 25°C EL (Nom)	3000 lm
Colour Designation	Cool White (CW)
Colour Temperature, horizontal (Nom)	4000 K
Lamp Luminous Efficacy EM (Nom)	150.00 lm/W
Colour consistency	<6
Colour Rendering Index,horiz (Nom)	80
LLMF at end of nominal lifetime (nom.)	70 %

Operating and Electrical	
Input frequency	30K to 100K Hz
Power (Rated) (Nom)	20 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)	80-130 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
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Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Glass
Product length	1500 mm
Bulb shape	Tube, double-ended

Approval and Application

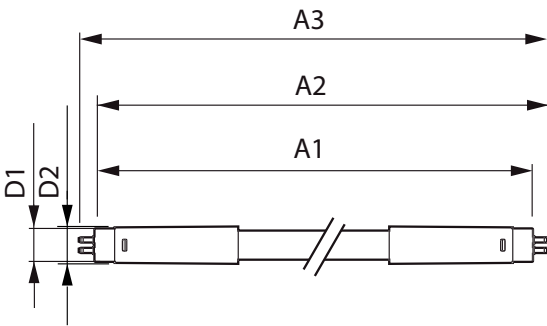
Energy Efficiency Class	D
Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	20 kWh
	406190

Product Data

Full product code	871869674337900
Order product name	Master LEDtube HF 1500mm HE 20W 840 T5
EAN/UPC – product	8718696743379
Order code	929001391402
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929001391402
SAP net weight (piece)	0.196 kg

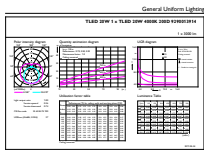
Dimensional drawing



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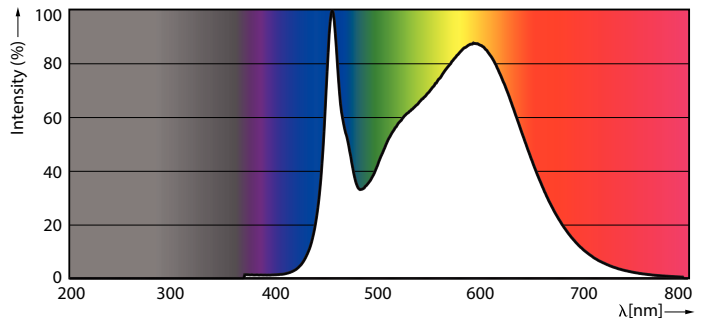
Product	D1	D2	A1	A2	A3
Master LEDtube HF 1500mm HE 20W 840 T5	15.5 mm	18.8 mm	1449 mm	1456.1 mm	1463.2 mm

Photometric data



General Uniform Lighting
1500 20W T5, 1500 20W 840 HE 20W 840 T5
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LEDtube 1500mm 20W G5 840 3000lm



LEDtube 1500mm 20W G5 840 3000lm

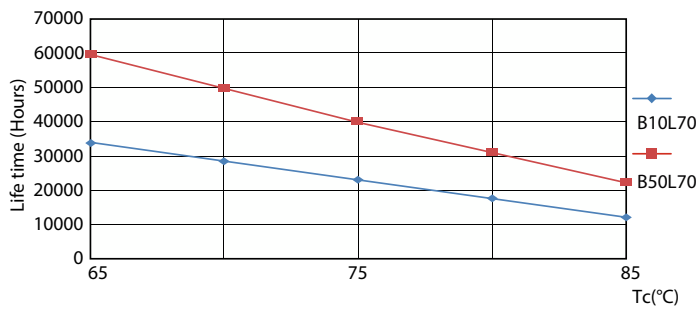
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Photometric data

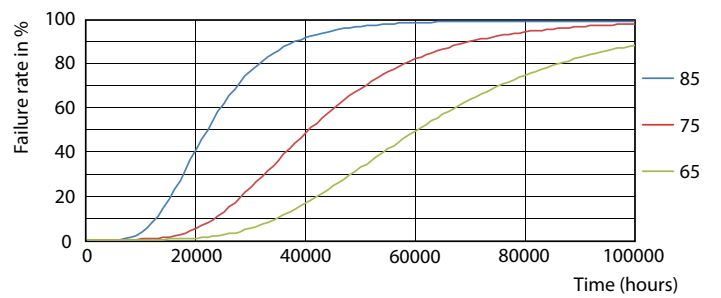


LEDtube 600mm 8W G5 830 1000lm

Lifetime



LifetimeVsTc



FailureRate



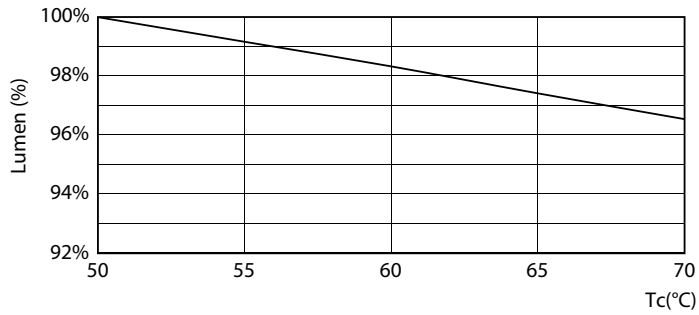
Lumen Maintenance Diagram



Life Expectancy Diagram

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Lifetime



LEDtube MAS SLR 20W 60K LumenVsTc-LMP

