



MASTER LEDtube InstantFit HF T5



Master LEDtube HF 1500mm HE 20W 865 T5

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. 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 application.

Product data

General information		Operating and electrical	
Cap-Base	G5 [G5]	Input Frequency	30K to 100K Hz
EU RoHS compliant	Yes	Power (Nom)	20 W
Nominal Lifetime (Nom)	60000 h	Lamp Current (Max)	350 mA
Switching Cycle	50000X	Lamp Current (Min)	150 mA
Flux measurement reference	Sphere	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
Light technical		Temperature	
Color Code	865 [CCT of 6500K]	T-Ambient (Max)	45 °C
Beam Angle (Nom)	200 °	T-Ambient (Min)	-20 °C
Luminous Flux (Nom)	3000 lm	T-Storage (Max)	65 °C
Color Designation	Cool Daylight	T-Storage (Min)	-40 °C
Correlated Color Temperature (Nom)	6500 K	T-Case Maximum (Nom)	65 °C
Luminous Efficacy (rated) (Nom)	150.00 lm/W		
Color Consistency	<6		
Color Rendering Index (Nom)	80		
LLMF At End Of Nominal Lifetime (Nom)	70 %		

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Controls and dimming

Dimmable	Yes - Check ballast compatibility
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Mechanical and housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1500 mm
Bulb Shape	Tube, double-ended

Approval and application

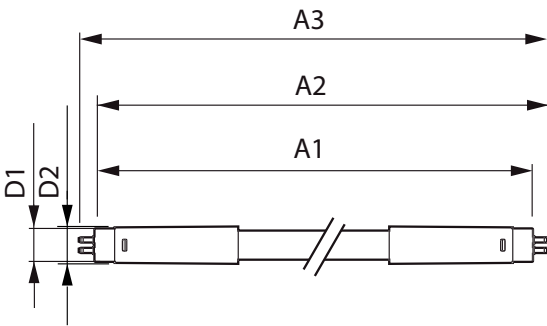
Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	406191

Product data

Full product code	871869674339300
Order product name	Master LEDtube HF 1500mm HE 20W 865 T5
EAN/UPC - Product	8718696743393
Order code	929001391502
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001391502
Net Weight (Piece)	0.196 kg

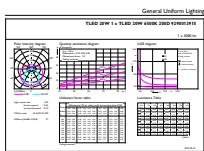
Dimensional drawing



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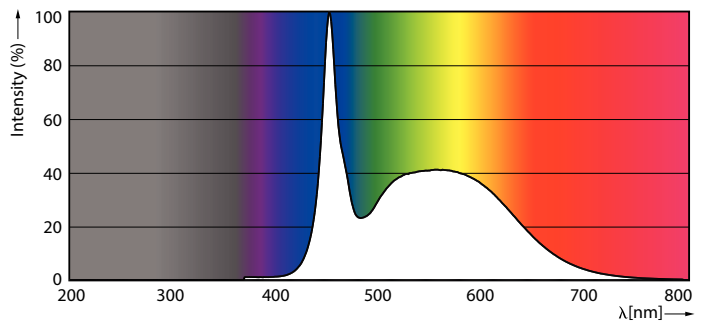
Product	D1	D2	A1	A2	A3
Master LEDtube HF 1500mm HE 20W 865 T5	15.5 mm	18.8 mm	1449 mm	1456.1 mm	1463.2 mm

Photometric data



General Uniform Lighting
1500 mm T5, 1500 mm HE, 20W 865 T5
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LEDtube 1500mm 20W G5 865 3000lm



LEDtube 1500mm 20W G5 865 3000lm

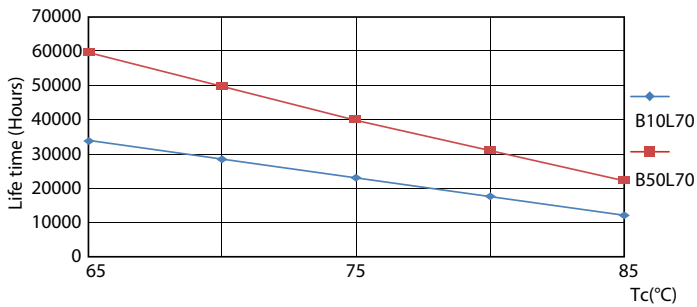
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Photometric data

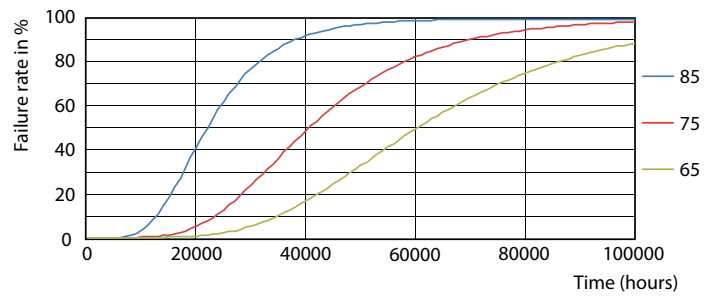


LEDtube 600mm 8W G5 830 1000lm

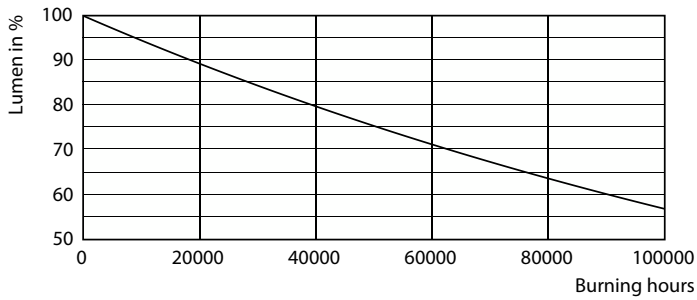
Lifetime



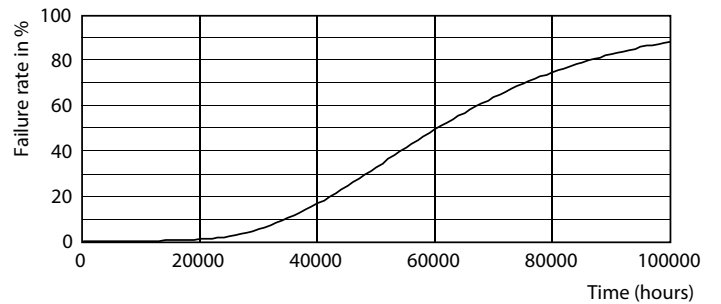
LifetimeVsTc



FailureRate



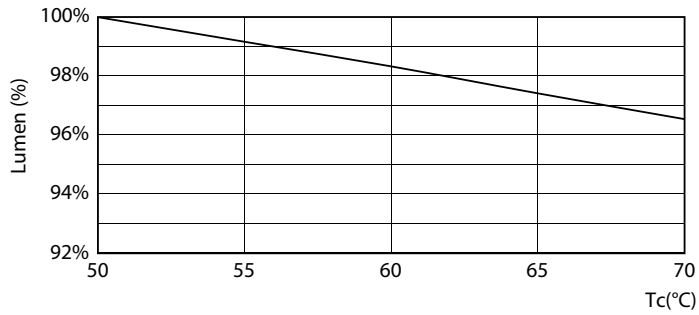
Lumen Maintenance Diagram



Life Expectancy Diagram

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Lifetime



LEDtube MAS SLR 20W 60K LumenVsTc-LMP

