



MASTER LEDtube InstantFit HF T5



Master LEDtube HF 1200mm HE 16.5W 865 T5

Philips MASTER LEDtube InstantFit T5 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. The Philips MASTER LEDtube InstantFit T5 is the ideal solution for customers who have higher light output requirements and want to maximize value over lifetime. Full energy savings & longer lifetime result in attractive payback times and TCO benefits.

Product data

General Information	
Cap-Base	G5 [G5]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	60000 h
Switching Cycle	50000X
Flux measurement reference	Sphere

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	200 °
Luminous Flux (Nom)	2500 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	151.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Input Frequency	30K to 100K Hz
Power (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	Only with specific dimmers
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1200 mm
Bulb Shape	Tube, double-ended

Approval and Application

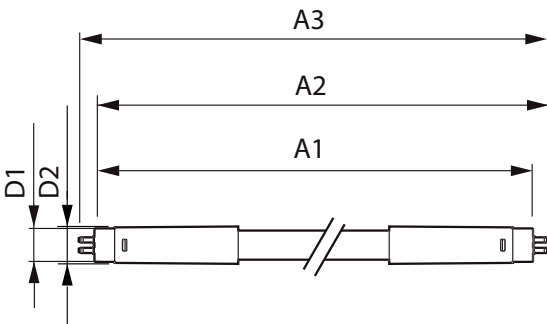
Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy Consumption kWh/1000 h	17 kWh
EPREL Registration Number	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	929001391202
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001391202
Net Weight (Piece)	0.159 kg

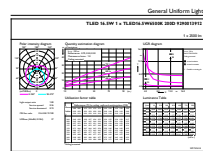
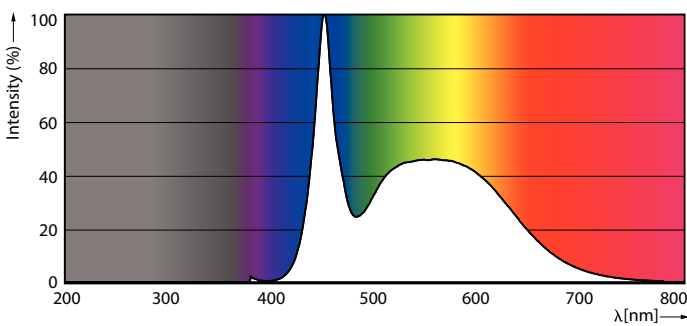
Dimensional drawing



TLED 1200mm 230V14W-28W 2100lm 160D 650

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



General Lighting Lightbulb
TLED 1200mm 16-5W G5 865 2500lm
General Lighting Lightbulb
TLED 1200mm 16-5W G5 865 2500lm
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LEDtubes, TLED T12 120-277V 20W 6500K G13

LEDtube 1200mm 16-5W G5 865 2500lm

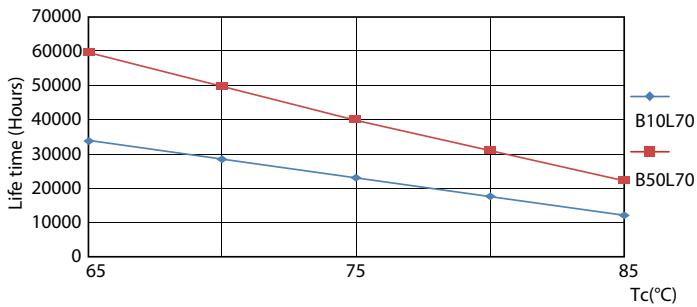
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Photometric data

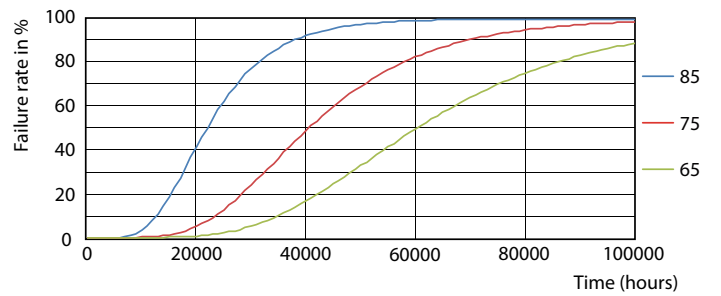


LEDtube 600mm 8W G5 830 1000lm

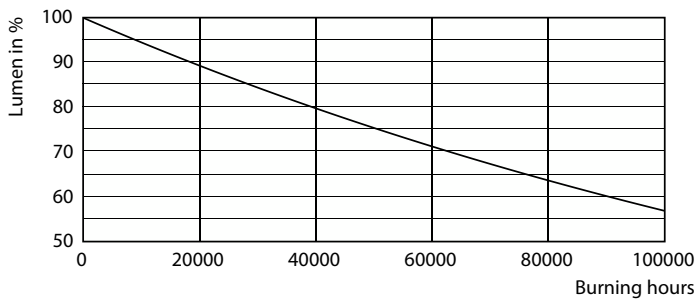
Lifetime



LEDtube MAS SLR 8W 60K LifetimeVsTc-LED



LEDtube MAS SLR 8W 60K FailureRate-LED



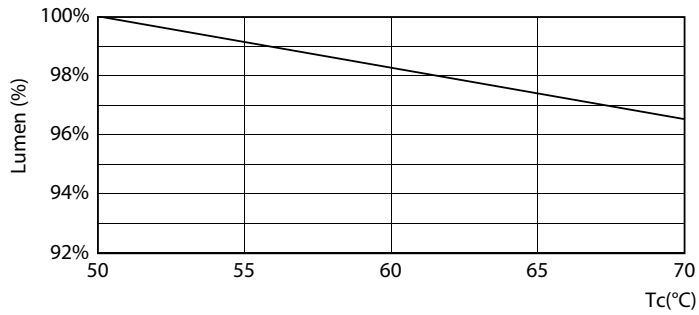
LEDtube_60K



LEDtube_60K

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Lifetime



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

