



MASTER LEDtube InstantFit HF T5

Master LEDtube HF 1500mm HE 20W 840 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	840 [CCT of 4000K]
Beam Angle (Nom)	200 °
Luminous Flux (Nom)	3000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	150.00 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)	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	Only with specific dimmers
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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

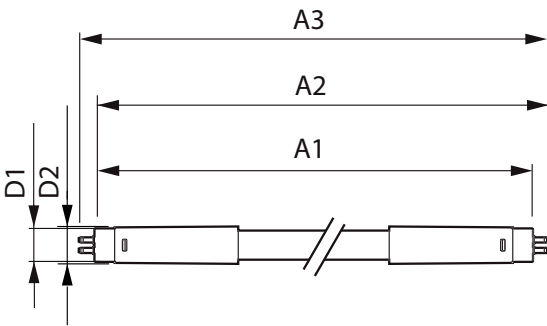
Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	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
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001391402
Net Weight (Piece)	0.196 kg

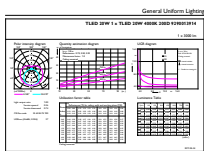
Dimensional drawing



TLED 1500mm 230V17W-35W 2600lm 160D 400

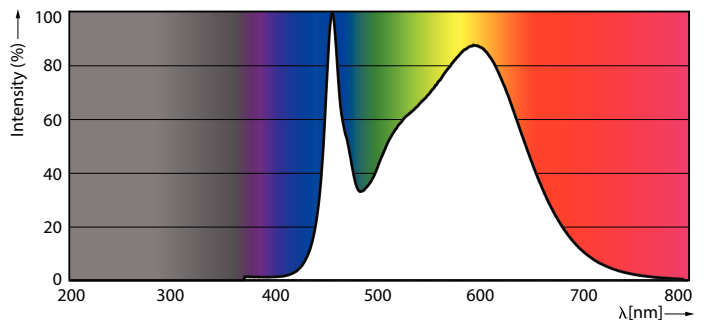
Product	D1	D2	A1	A2	A3
Master LEDtube HF 1500mm HE 20W 840 T5	15.5 mm	18.8 mm	1449 mm	1456.1 mm	1463.2 mm

Photometric data



General Uniform Lighting
TLED 20W T5, TLED 30W 40W 45W 50W 60W 70W 80W
1500 mm
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LEDtube 1500mm 20W G5 840 3000lm



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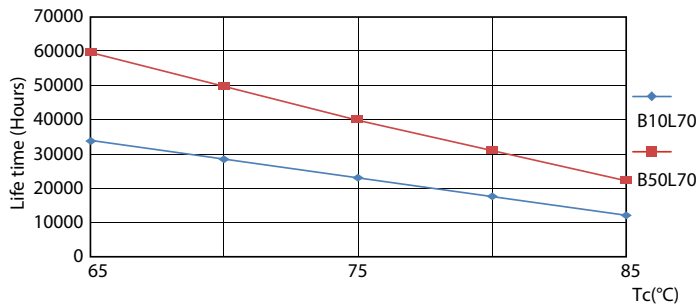
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Photometric data

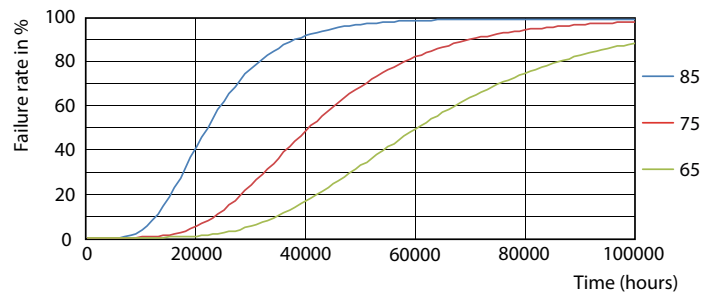


LEDtube 600mm 8W G5 830 1000lm

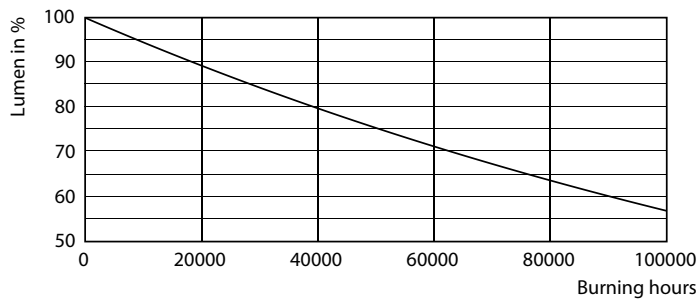
Lifetime



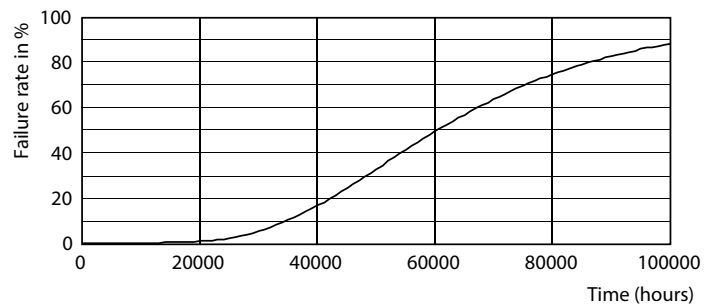
LEDtube MAS SLR 8W 60K LifetimeVsTc-LED



LEDtube MAS SLR 8W 60K FailureRate-LED



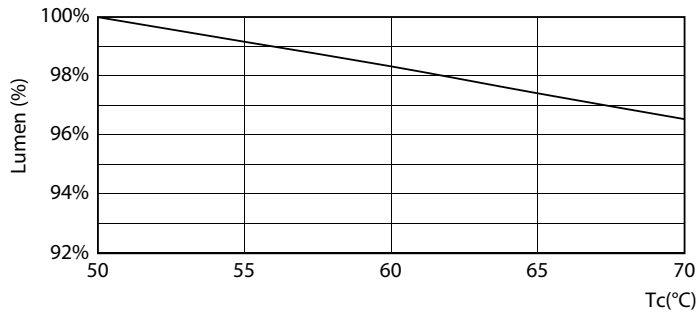
LEDtube_60K



LEDtube_60K

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Lifetime



LEDtube MAS SLR 20W 60K LumenVsTc-LMP

