



MASTER LEDtube InstantFit HF T5



Master LEDtube HF 600mm HE 8W 830 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	
Cap-Base	G5 [G5]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	60000 h
Switching Cycle	50000X
Flux measurement reference	Sphere

Light technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	200 °
Luminous Flux (Nom)	1000 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	125.00 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)	8 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)	40-70 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

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	600 mm
Bulb Shape	Tube, double-ended

Approval and application

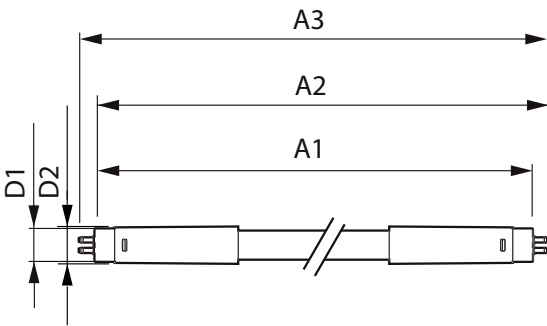
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	406183

Product data

Full product code	871869674323200
Order product name	Master LEDtube HF 600mm HE 8W 830 T5
EAN/UPC - Product	8718696743232
Order code	929001390702
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001390702
Net Weight (Piece)	0.080 kg

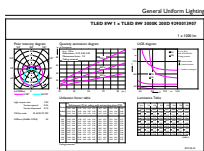
Dimensional drawing



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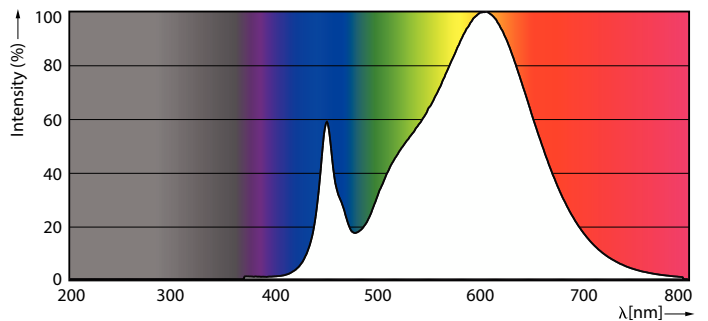
Product	D1	D2	A1	A2	A3
Master LEDtube HF 600mm HE 8W 830 T5	15.5 mm	18.8 mm	549 mm	556.1 mm	563.2 mm

Photometric data



General Uniform Lighting
 TUBE 600 x 1 TUBE 600 HE 8W 830 1000lm
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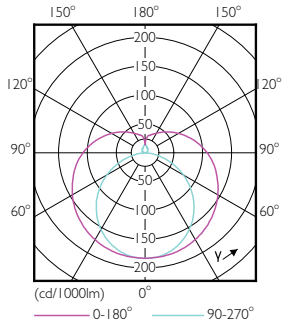
LEDtube 600mm 8W G5 830 1000lm



Spectral Power Distribution Colour

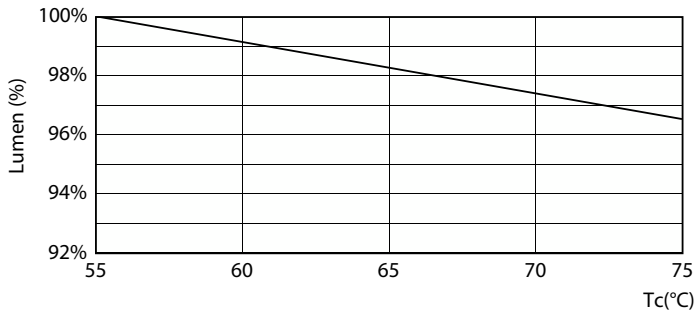
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Photometric data

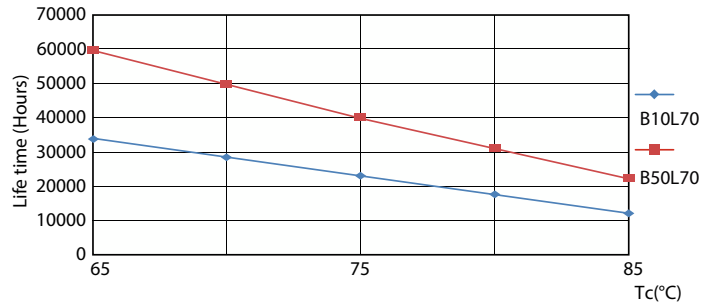


LEDtube 600mm 8W G5 830 1000lm

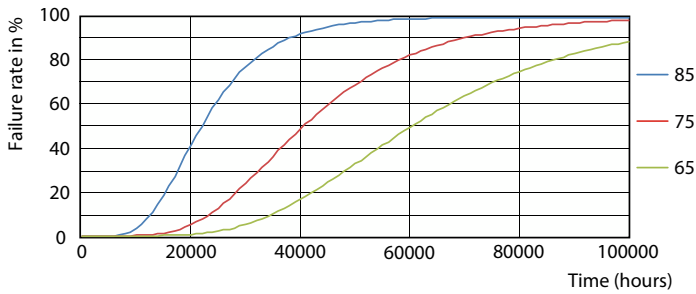
Lifetime



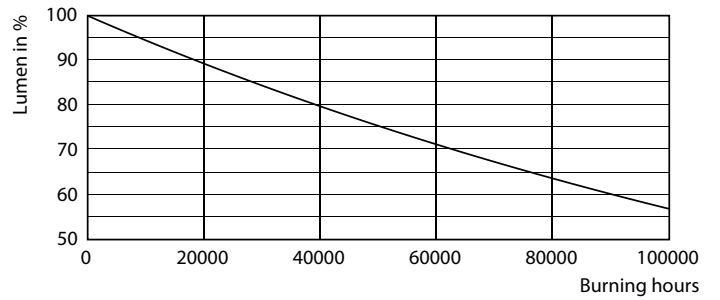
LumenVsTc



LifetimeVsTc



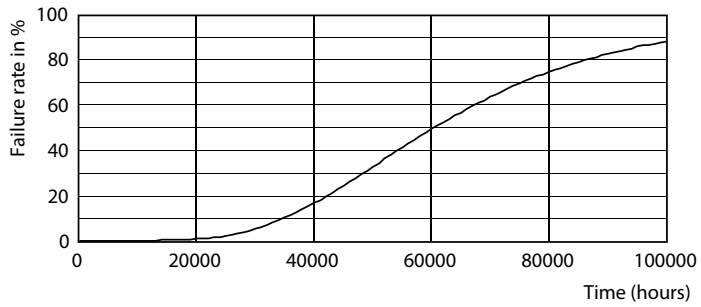
FailureRate



Lumen Maintenance Diagram

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Lifetime



Life Expectancy Diagram

