



MASTER LEDtube InstantFit HF T5

Master LEDtube HF 600mm HE 8W 830 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	830 [CCT of 3,000 K]
Beam Angle (Nom)	200 °
Luminous flux (nom.)	1000 lm
Colour designation	White (WH)
Correlated Colour Temperature (Nom)	3000 K
Luminous efficacy (rated) (nom.)	125.00 lm/W
Colour consistency	<6
Colour rendering index (nom.)	80
LLMF at end of nominal lifetime (nom.)	70 %

Operating and Electrical	
Input frequency	30K to 100K Hz
Power (Rated) (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

MASTER LEDtube InstantFit HF T5

Controls and Dimming

Dimmable	Yes – Check ballast compatibility
----------	-----------------------------------

Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Glass
Product length	600 mm
Bulb shape	Tube, double-ended

Approval and Application

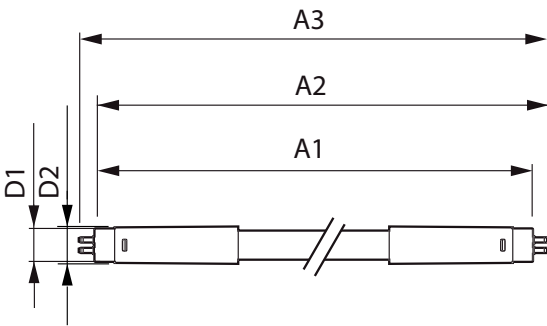
Energy Efficiency Class	E
Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	8 kWh
	406183

Product Data

Full product code	871869674323200
Order product name	Master LEDtube HF 600mm HE 8W 830 T5
EAN/UPC – product	8718696743232
Order code	74323200
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929001390702
SAP net weight (piece)	0.080 kg

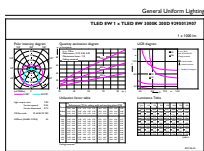
Dimensional drawing



Master LEDtube HF 600mm HE 8W 830 T5

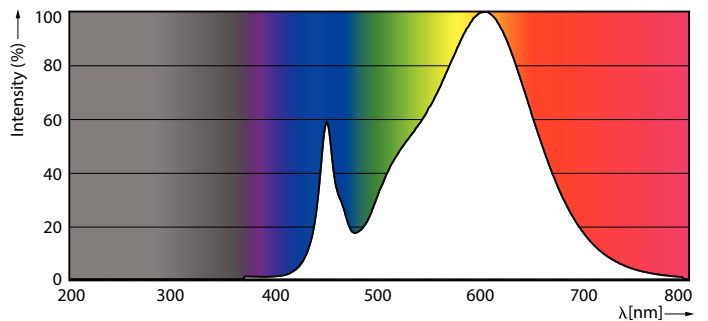
Product	D1	D2	A1	A2	A3
Master LEDtube HF 600mm HE 8W 830 T5	15.5 mm	18.8 mm	549 mm	556.1 mm	563.2 mm

Photometric data



General Uniform Lighting
T5 8W 830 T5
Page 11

LEDtube 600mm 8W G5 830 1000lm



Spectral Power Distribution Colour

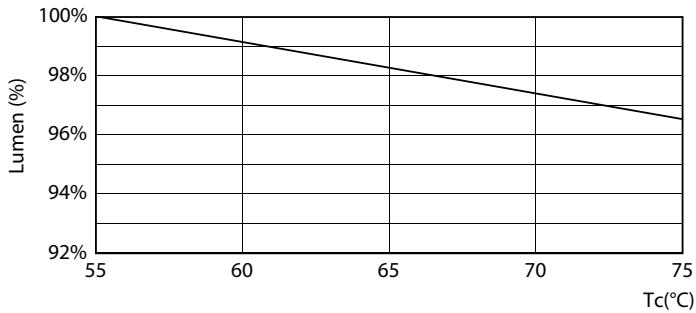
MASTER LEDtube InstantFit HF T5

Photometric data

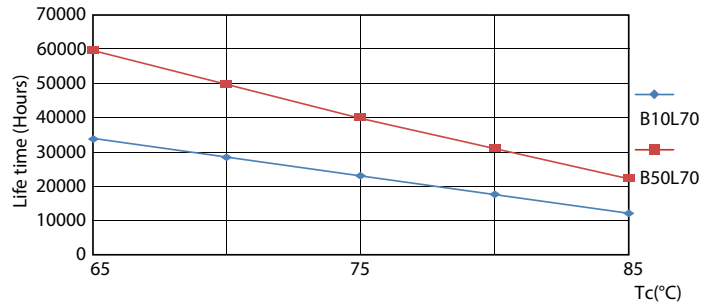


LEDtube 600mm 8W G5 830 1000lm

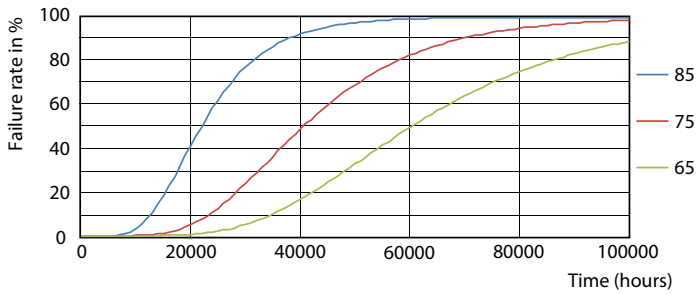
Lifetime



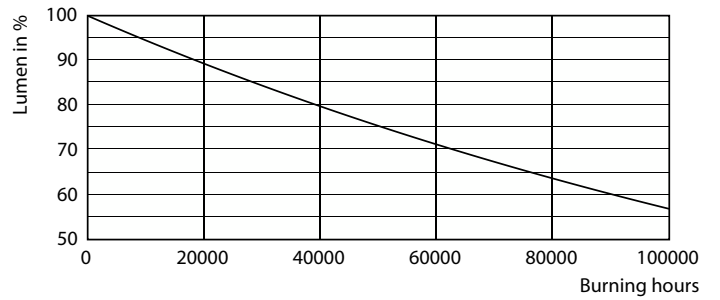
LumenVsTc



LifetimeVsTc



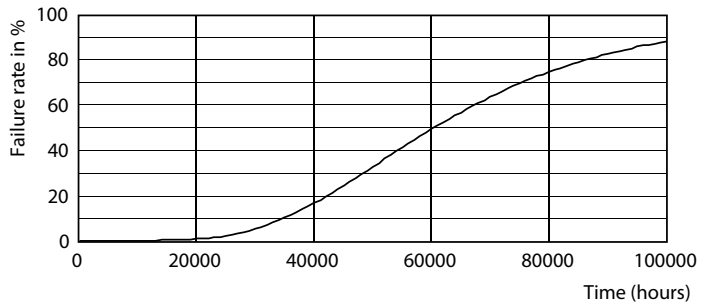
FailureRate



Lumen Maintenance Diagram

MASTER LEDtube InstantFit HF T5

Lifetime



Life Expectancy Diagram

