



MASTER LEDtube Mains T5



MASTER LEDtube 600mm HE 7W 830 T5 EU

The new Philips Master LEDtube Mains T5 brings simplicity to your lighting project. You don't need to pay attention to the driver technology anymore. Thanks to a unique design, Philips MASTER LEDtube Mains T5 installs in luminaires operating on mains power connection. So simple to operate! . Perfectly safe, reliable & easy to install, the Philips MASTER LEDtube Mains T5 is the ideal alternative to standard fluorescent tubes to maximise value over lifetime with high energy savings and lower maintenance costs.

Product data

General Information		Photobiological safety according to EN 62471	
Cap base	G5		RG0
Nominal lifetime	50,000 h	Operating and Electrical	
Switching Cycle	200,000	Input frequency	50 to 60 Hz
Lighting Technology	LED	Power Consumption	7 W
Flux measurement reference	Sphere	Lamp current (nom.)	32 mA
Light Technical		Starting time (nom.)	0.5 s
Colour Code	830 [CCT of 3000K]	Warm-up time to 60% light	0.5 s
Beam angle (nom.)	200 degree(s)	Power Factor (Fraction)	0.9
Luminous Flux	1,000 lm	Voltage (nom.)	220-240 V
Colour designation	White (WH)	Ballast Compatibility	Mains
Correlated Colour Temperature (Nom)	3000 K	LED alternative to fluorescent lamp power	14 W
Luminous efficacy (rated) (nom.)	142 lm/W	Inrush current at mains	4.5
Colour consistency	<6	Max. lamp no. on MCB B type 10A – Mains	160
Colour rendering index (CRI)	80	Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
LLMF at end of nominal lifetime (nom.)	70 %	Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-

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Max. lamp no. on MCB B type 16A — Mains	254
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-

Temperature

T-Case maximum (nom.)	50 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Glass
Product length	600 mm
Bulb shape	T5
Net Weight (Piece)	0.070 kg

Approval and Application

Energy Efficiency Class	D
Energy-saving product	Yes
Approval marks	RoHS compliance KEMA Keur certificate
Energy consumption kWh/1,000 hours	7 kWh

EPREL Registration Number	1826568
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +45 °C

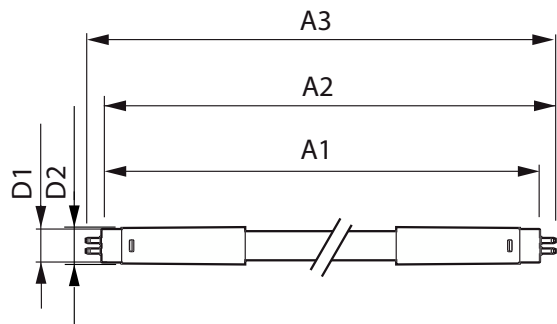
Application Conditions

Can it be used in closed luminaires	Yes
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Product Data

Order product name	MAS LEDtube 600mm HE 7W 830 T5 EU
Full product name	MASTER LEDtube 600mm HE 7W 830 T5 EU
Full EOC	872016931169500
Order code	31169500
Material no. (12 NC)	929003795402
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169311695
Numerator – packs per outer box	10
EAN/UPC - Case	8720169311701

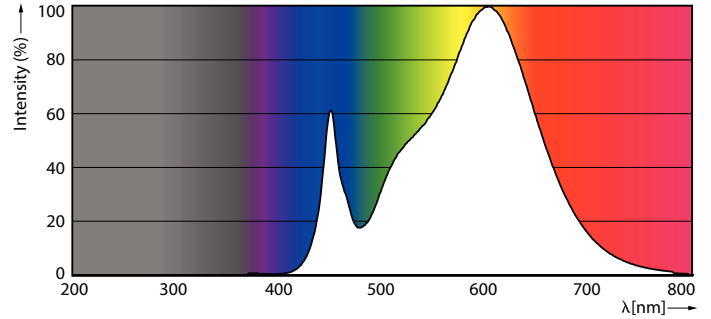
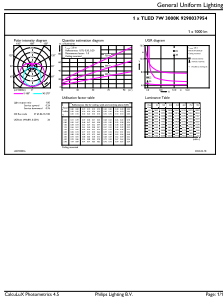
Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 600mm HE 7W 830 T5 EU	15.7 mm	19 mm	549 mm	556.1 mm	563.2 mm

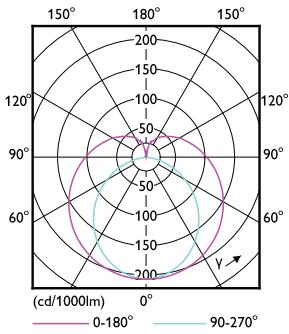
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Photometric data



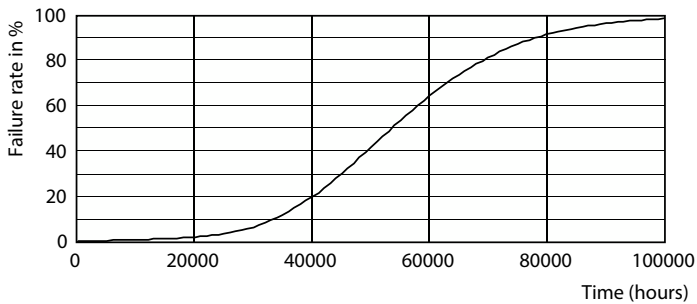
General uniform lighting - MAS LEDtube 600mm HE 7W 830 T5 EU

Spectral Power Distribution Colour - MAS LEDtube 600mm HE 7W 830 T5 EU

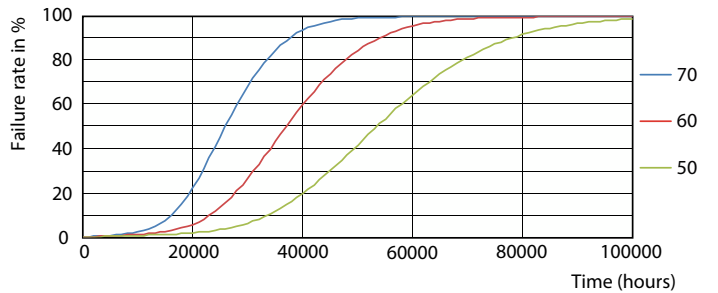


Light Distribution Diagram - MAS LEDtube 600mm HE 7W 830 T5 EU

Lifetime



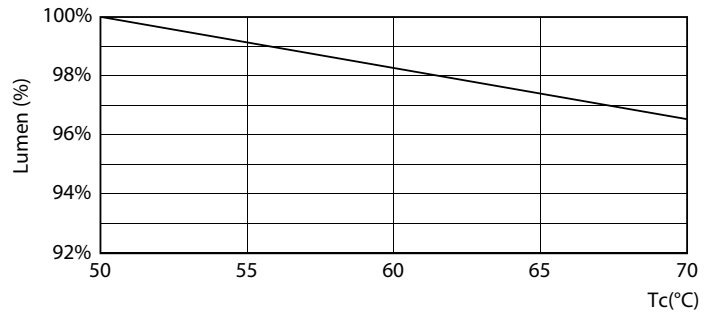
Life Expectancy Diagram



FailureRate

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Lifetime



LifetimeVsTc

Lumen Maintenance Diagram - MAS LEDtube 600mm HE 7W 830 T5 EU



Lumen Maintenance Diagram - MAS LEDtube 600mm HE 7W 830 T5 EU

