



MASTER LED tube Mains T5



MAS LEDtube 600mm HE 7W 840 T5 EU

MASTER, LED, T5, Mains, 600 mm, 7 W, 14W TL5 HE, 4000 K, 1050 lm, CRI 80, 60000 h

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		Luminous efficacy (rated) (nom.)		150 lm/W
Cap base	G5	Colour consistency	<6	
Nominal lifetime	60,000 h	Colour rendering index (CRI)	80	
Switching Cycle	200,000	LLMF at end of nominal lifetime (nom.)	70 %	
Lighting Technology	LED	Photobiological safety according to EN 62471	RG0	
Flux measurement reference	Sphere	Operating and Electrical		
Warranty period	5 years	Input frequency	50 to 60 Hz	
Light Technical		Power Consumption	7 W	
Colour Code	840 [CCT of 4000K]	Lamp current (nom.)	32 mA	
Beam angle (nom.)	200 degree(s)	Starting time (nom.)	0.5 s	
Luminous Flux	1,050 lm	Warm-up time to 60% light	0.5 s	
Colour designation	Cool White (CW)	Power Factor (Fraction)	0.9	
Correlated Colour Temperature (Nom)	4000 K	Voltage (nom.)	220-240 V	

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LED alternative to fluorescent lamp power	14W TL5 HE
Inrush current at mains	4.5
Max. lamp no. on MCB B type 10A – Mains	160
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
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.	-
Ballast Compatibility	Mains

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
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Energy-saving product	Yes
Approval marks	RoHS compliance KEMA Keur certificate
Energy consumption kWh/1,000 hours	7 kWh
EPREL Registration Number	1840374
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +45 °C

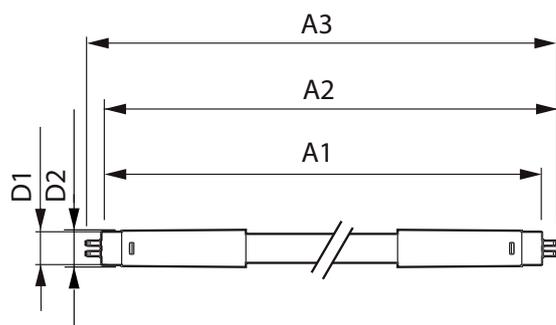
Application Conditions

Can it be used in closed luminaires	Yes
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Product Data

Order product name	MAS LEDtube 600mm HE 7W 840 T5 EU
Full product name	MAS LEDtube 600mm HE 7W 840 T5 EU
Full EOC	872016930682000
Order code	929003795502
Material no. (12 NC)	929003795502
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169306820
Numerator – packs per outer box	10
EAN/UPC – Case	8720169306837

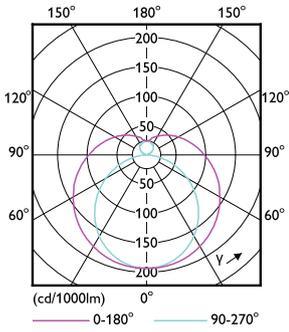
Dimensional drawing



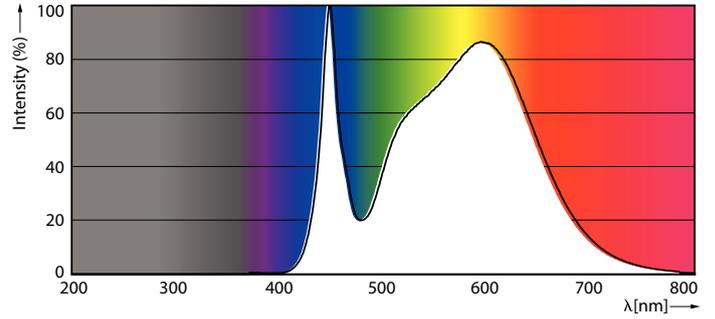
Product	D1	D2	A1	A2	A3
MAS LEDtube 600mm HE 7W 840 T5 EU	15.7 mm	19 mm	549 mm	556.1 mm	563.2 mm

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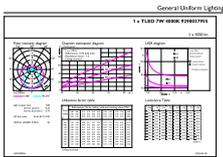
Photometric data



Light Distribution Diagram - MAS LEDtube 600mm HE 7W 840 T5 EU

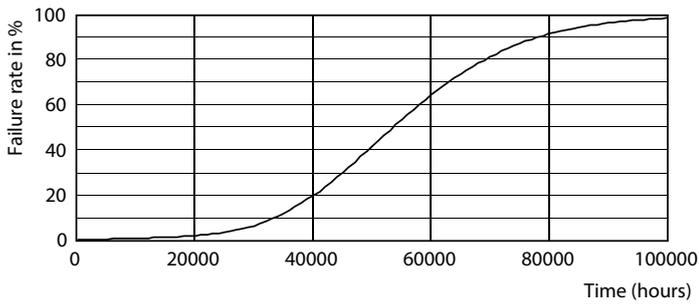


Spectral Power Distribution Colour - MAS LEDtube 600mm HE 7W 840 T5 EU

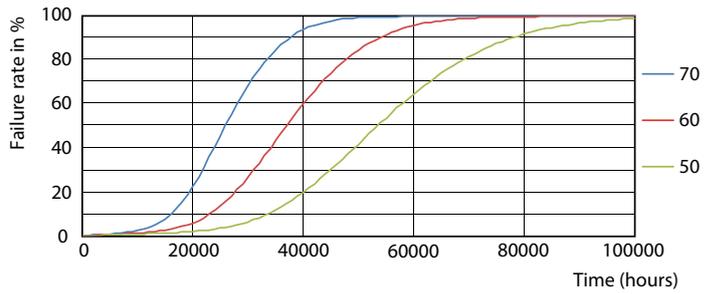


General uniform lighting - MAS LEDtube 600mm HE 7W 840 T5 EU

Lifetime



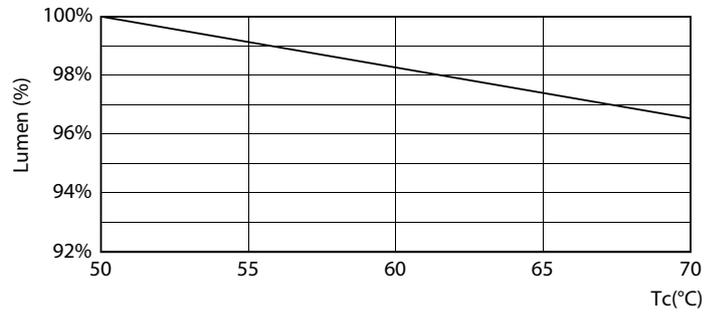
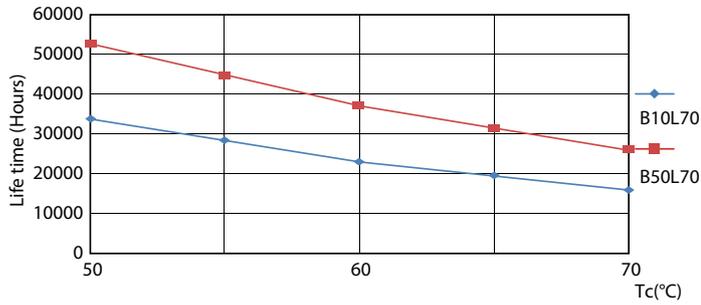
Life Expectancy Diagram



FailureRate

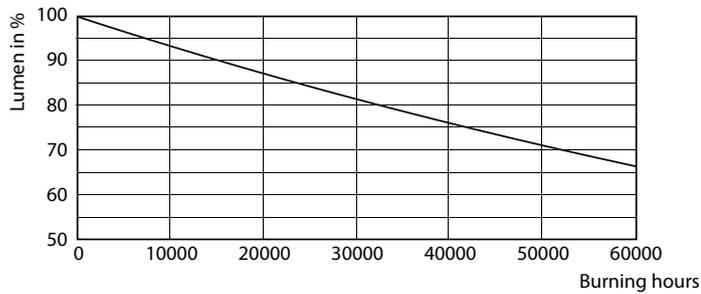
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Lifetime



LifetimeVsTc

Lumen Maintenance Diagram - MAS LEDtube 600mm HE 7W 840 T5 EU



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