



MASTER LEDtube T8

MAS LEDtube 600mm HO 8W830 T8

MASTER, LEDtube, T8, EM/Mains, Single-end, 600 mm, 220-240 V, 8 W, 18W TL-D, 3000 K, 1150 lm, 60000 hour(s)

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 T8 LED 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 ensure this tube masters every demanding application.

Warnings and Safety

- NOTE: The overall energy efficiency and light distribution of any installation that uses these lamps will be determined by the design of the installation.

Product data

General Information		Operating and Electrical	
Cap-Base	G13	Luminous Efficacy (rated) (Nom)	143 lm/W
Nominal lifetime	60,000 hour(s)	Color Consistency	<6
Switching Cycle	200,000	Color rendering index (CRI)	80
Lighting Technology	LEDtube	LLMF At End Of Nominal Lifetime (Nom)	70 %
		Photobiological safety according to EN 62471	RG0
Light Technical		Operating and Electrical	
Color Code	830 [CCT of 3000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	190 degree(s)	Power Consumption	8 W
Luminous Flux	1,150 lm	Lamp Current (Max)	40 mA
Color Designation	White (WH)	Lamp Current (Min)	37 mA
Correlated Color Temperature (Nom)	3000 K	Wattage Equivalent	18 W

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Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	18W TL-D
Ballast Compatibility	EM/Mains

Temperature

T-Case Maximum (Nom)	50 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	600 mm
Bulb Shape	T8
Net Weight (Piece)	0.090 kg

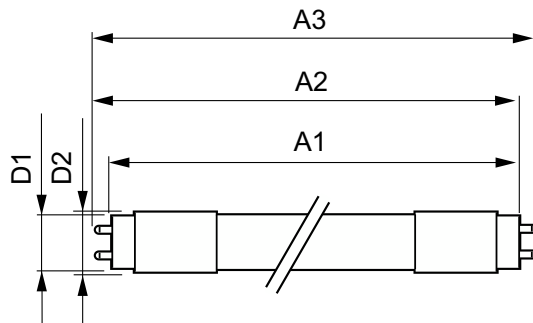
Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate
EU RoHS compliant	Yes
Ambient temperature range	-20 to +45 °C

Product Data

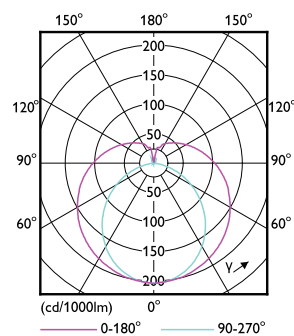
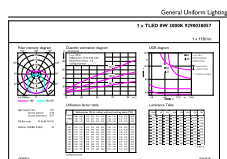
Order product name	MAS LEDtube 600mm HO 8W830 T8
Full product name	MAS LEDtube 600mm HO 8W830 T8
Full product code	872016931591400
Order code	929003805708
Material Nr. (12NC)	929003805708
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169315914
Numerator - Packs per outer box	20
EAN/UPC - Case	8720169315921

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 600mm HO 8W830 T8	25.8 mm	28 mm	595.7 mm	598.8 mm	604 mm

Photometric data

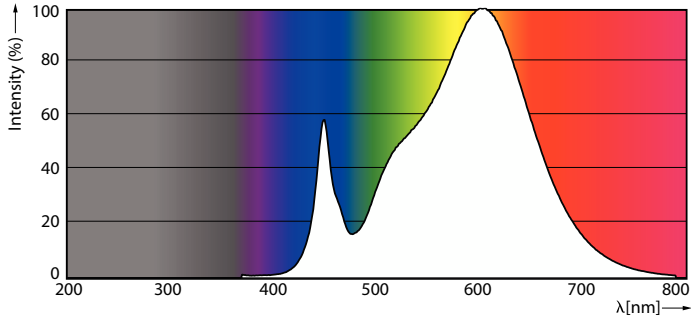


General uniform lighting - MAS LEDtube 600mm HO 8W830 T8

Light Distribution Diagram - MAS LEDtube 600mm HO 8W830 T8

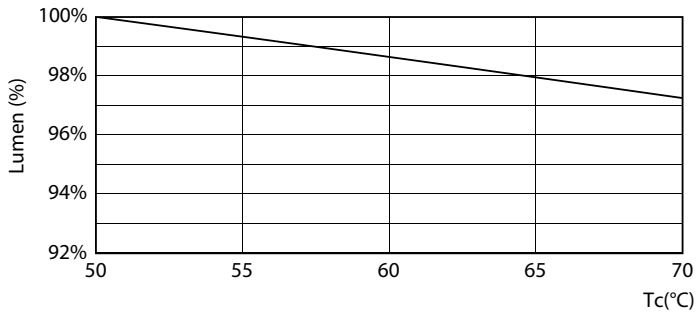
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Photometric data

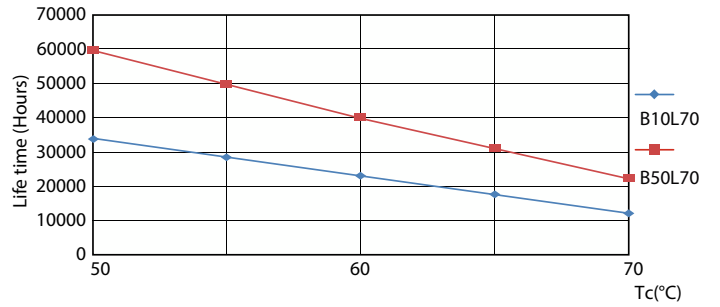


Spectral Power Distribution Colour - MAS LEDtube 600mm HO 8W830 T8

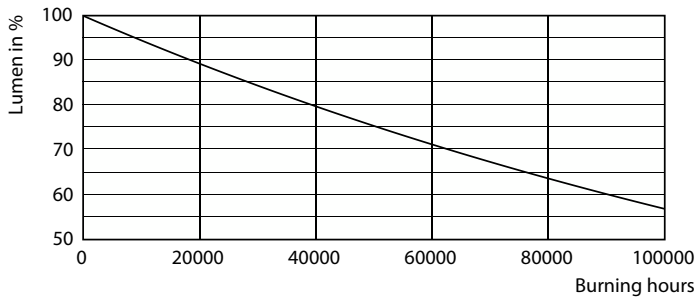
Lifetime



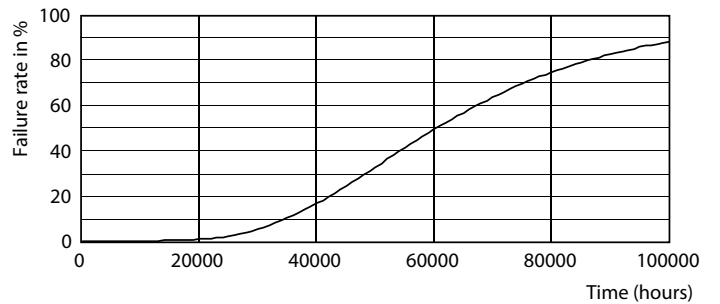
Lumen Maintenance Diagram - MAS LEDtube 600mm HO 8W830 T8



LEDtube 60K 5070 LifetimeVsTc-LED



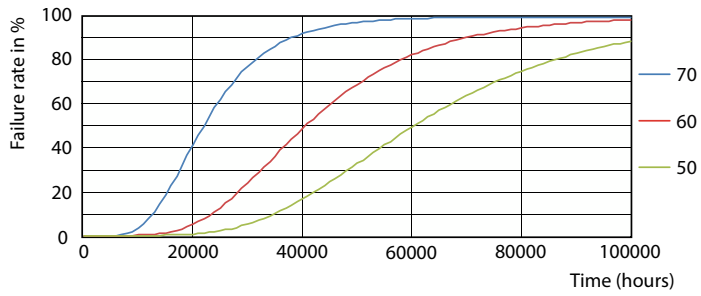
Lumen Maintenance Diagram - MAS LEDtube 600mm HO 8W830 T8



Life Expectancy Diagram

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Lifetime



LEDtube 60K 5070 FailureRate-LED

