



MASTER LEDtube T8

MASTER 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. For those that are looking for value for money within limited budget and re-lamping efforts for better light effect and lifetime.

Warnings and Safety

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Product data

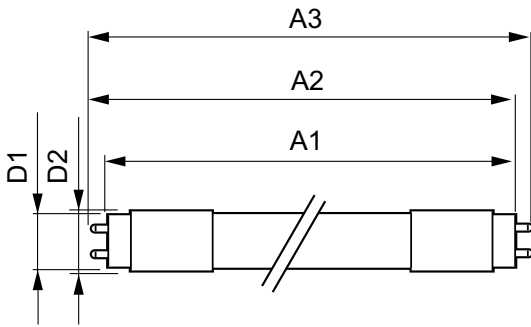
General Information		LLMF At End Of Nominal Lifetime (Nom)		70 %	
Cap-Base	G13	Photobiological safety according to EN 62471			RG0
Nominal lifetime	60,000 hour(s)	Operating and Electrical			
Switching Cycle	200,000	Input Frequency	50 to 60 Hz		
Lighting Technology	LEDtube	Power Consumption	8 W		
Light Technical		Lamp Current (Max)	40 mA		
Color Code	830 [CCT of 3000K]	Lamp Current (Min)	37 mA		
Beam Angle (Nom)	190 degree(s)	Wattage Equivalent	18 W		
Luminous Flux	1,150 lm	Starting Time (Nom)	0.5 s		
Color Designation	White (WH)	Warm-up time to 60% light	0.5 s		
Correlated Color Temperature (Nom)	3000 K	Power Factor (Fraction)	0.9		
Luminous Efficacy (rated) (Nom)	143 lm/W	Voltage (Nom)	220-240 V		
Color Consistency	<6	LED alternative to fluorescent lamp power	18W TL-D		
Color rendering index (CRI)	80				

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Ballast Compatibility	EM/Mains
Temperature	
T-Case Maximum (Nom)	50 °C
Controls and Dimming	
Dimmable	No
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

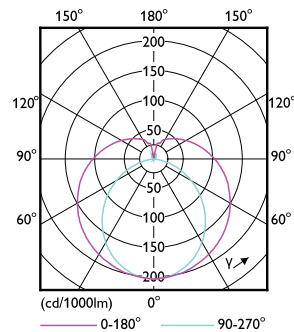
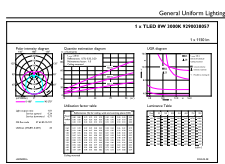
Approval Marks	RoHS compliance KEMA Keur certificate
EU RoHS compliant	Yes
Ambient temperature range	-20 to +45 °C
Product Data	
Order product name	MAS LEDtube 600mm HO 8W830 T8
Full product name	MASTER LEDtube 600mm HO 8W830 T8
Full product code	872016931591400
Order code	31591400
Material Nr. (12NC)	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

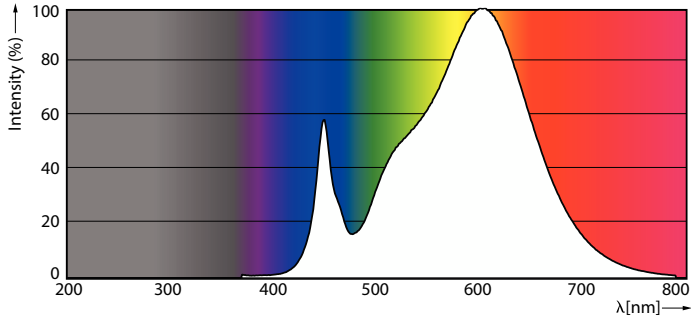


General uniform lighting - MAS LEDtube 600mm HO 8W830 T8

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

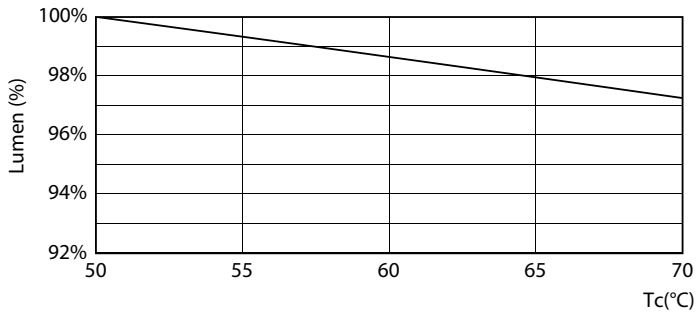
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Photometric data

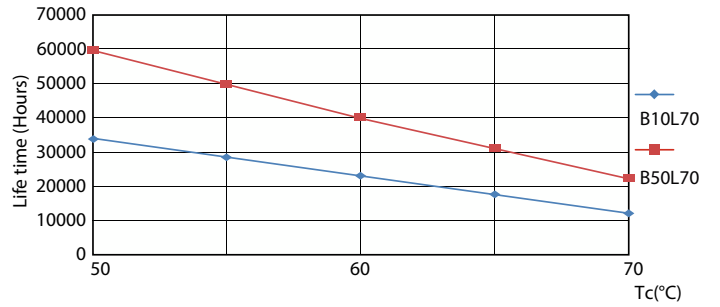


Spectral Power Distribution Colour - MAS LEDtube 600mm HO 8W830 T8

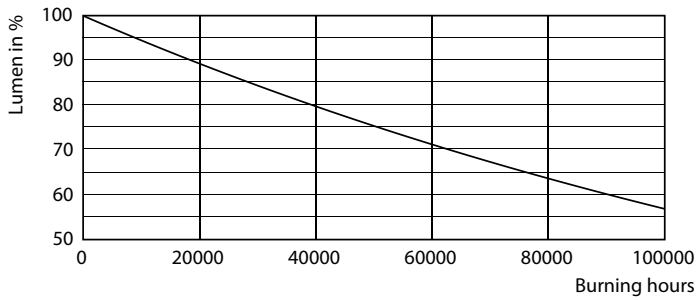
Lifetime



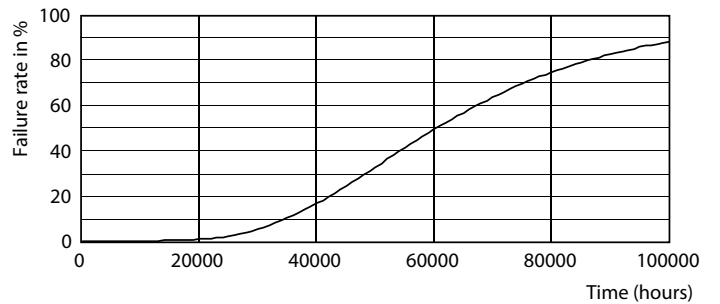
Lumen Maintenance Diagram - MAS LEDtube 600mm HO 8W830 T8



LEDtube 60K 5070 LifetimeVsTc-LED



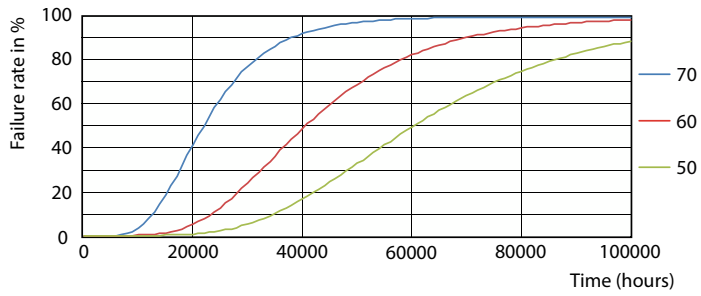
Lumen Maintenance Diagram - MAS LEDtube 600mm HO 8W830 T8



Life Expectancy Diagram

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Lifetime



LEDtube 60K 5070 FailureRate-LED

