



# MASTER LEDtube EM/ Mains T8

## MAS LEDtube 1200mm HO 13W865 T8

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. This product is the ideal solution for up lighting in general lighting applications.

### Warnings and Safety

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- -

### Product data

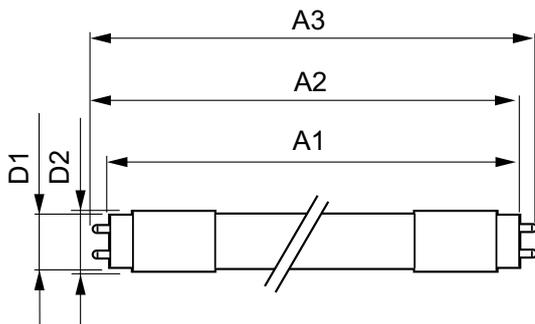
General Information		Photobiological safety according to EN 62471 RG0	
Cap-Base	G13		
Nominal lifetime	60,000 hour(s)		
Switching Cycle	200,000		
Lighting Technology	LED		
Light Technical		Operating and Electrical	
Color Code	865 [CCT of 6500K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	190 degree(s)	Power Consumption	13 W
Luminous Flux	2,100 lm	Lamp Current (Max)	63 mA
Color Designation	Cool Daylight	Lamp Current (Min)	58 mA
Correlated Color Temperature (Nom)	6500 K	Wattage Equivalent	36 W
Luminous Efficacy (rated) (Nom)	161 lm/W	Starting Time (Nom)	0.5 s
Color Consistency	<6	Warm-up time to 60% light	0.5 s
Color rendering index (CRI)	80	Power Factor (Fraction)	0.9
LLMF At End Of Nominal Lifetime (Nom)	70 %	Voltage (Nom)	220-240 V
		Temperature	
		T-Case Maximum (Nom)	50 °C

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Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.180 kg
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate
EU RoHS compliant	Yes

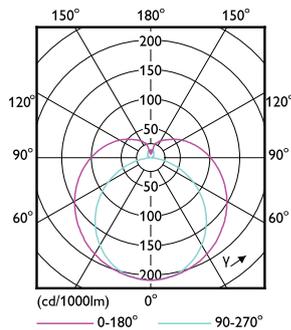
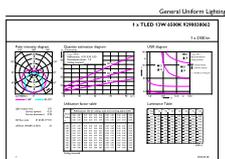
Ambient temperature range	-20 to +45 °C
Product Data	
Order product name	MAS LEDtube 1200mm HO 13W865 T8
Full product name	MAS LEDtube 1200mm HO 13W865 T8
Full product code	872016931611900
Order code	929003806208
Material Nr. (12NC)	929003806208
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169316119
Numerator - Packs per outer box	20
EAN/UPC - Case	8720169316126

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO 13W865 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

## Photometric data

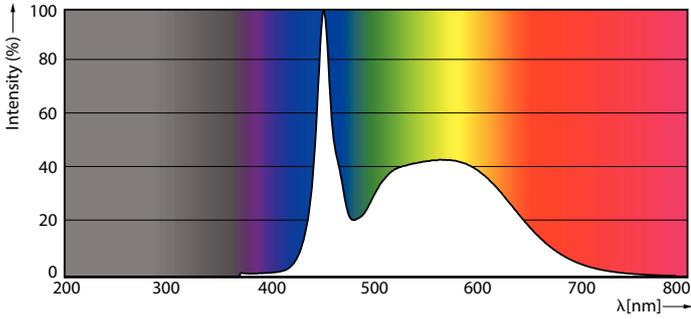


General uniform lighting - MAS LEDtube 1200mm HO 13W865 T8

Light Distribution Diagram - MAS LEDtube 1200mm HO 13W865 T8

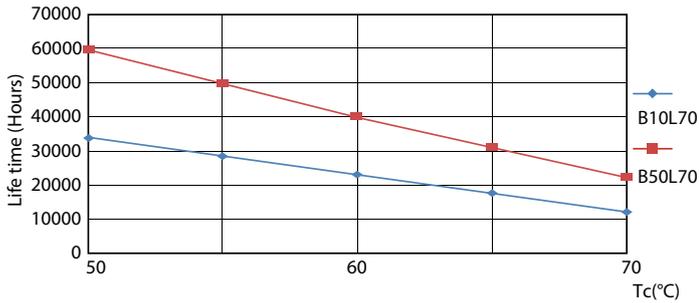
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## Photometric data

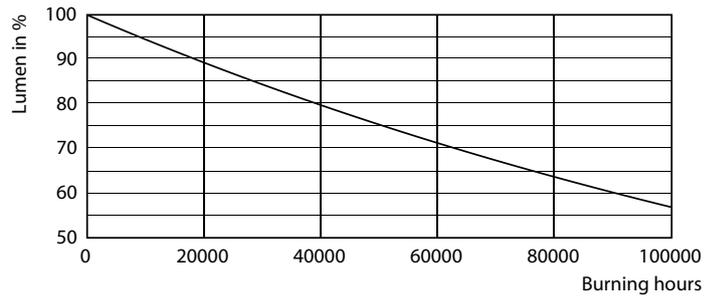


Spectral Power Distribution Colour - MAS LEDtube 1200mm HO 13W865 T8

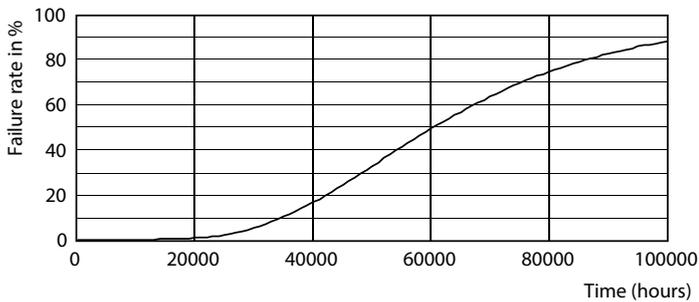
## Lifetime



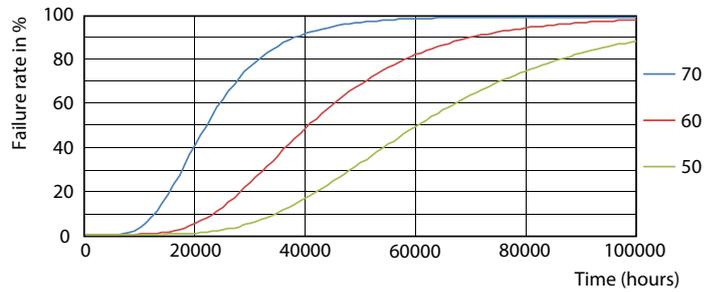
LEDtube 60K 5070 LifetimeVsTc-LED



Lumen Maintenance Diagram - MAS LEDtube 1200mm HO 13W865 T8



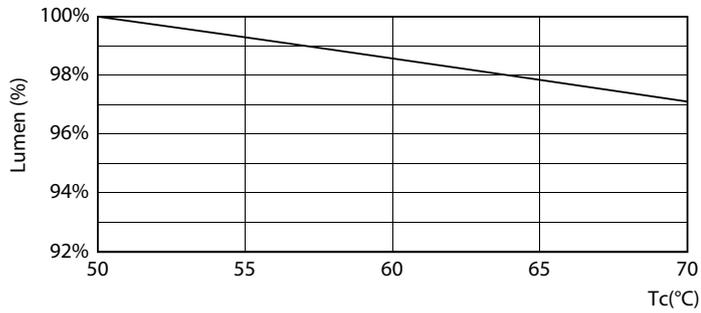
Life Expectancy Diagram



LEDtube 60K 5070 FailureRate-LED

# MASTER LEDtube EM/Mains T8

## Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1200mm HO 13W865 T8

