



# MASTER LEDtube T8

## MAS LEDtube 1200mm HO 13W865 T8

MASTER, LEDtube, T8, EM/Mains, Single-end, 1200 mm, 220-240 V, 13 W, 36W TL-D, 6500 K, 2100 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. This product is the ideal solution for up lighting in general lighting applications.

### Warnings and Safety

- 
- 

### Product data

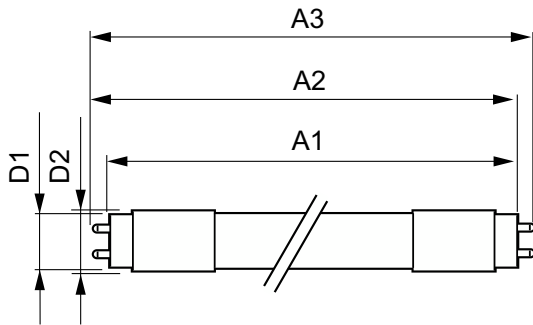
General Information		LLMF At End Of Nominal Lifetime (Nom)		70 %
Cap-Base	G13	Photobiological safety according to EN 62471		RG0
Nominal lifetime	60,000 hour(s)	Operating and Electrical		
Switching Cycle	200,000	Input Frequency	50 to 60 Hz	
Lighting Technology	LEDtube	Power Consumption	13 W	
Light Technical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

# MASTER LEDtube T8

<b>Ballast Compatibility</b>	EM/Mains
<b>Temperature</b>	
T-Case Maximum (Nom)	50 °C
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.180 kg
<b>Approval and Application</b>	
Energy Saving Product	Yes

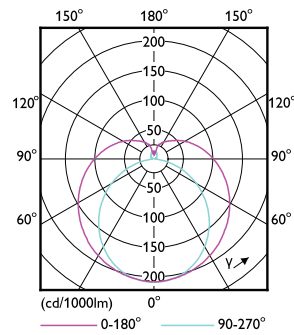
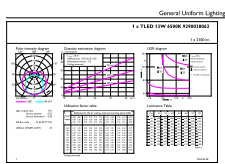
<b>Approval Marks</b>	RoHS compliance KEMA Keur certificate
<b>EU RoHS compliant</b>	Yes
<b>Ambient temperature range</b>	-20 to +45 °C
<b>Product Data</b>	
<b>Order product name</b>	MAS LEDtube 1200mm HO 13W865 T8
<b>Full product name</b>	MAS LEDtube 1200mm HO 13W865 T8
<b>Full product code</b>	872016931611900
<b>Order code</b>	929003806208
<b>Material Nr. (12NC)</b>	929003806208
<b>Numerator - Quantity Per Pack</b>	1
<b>EAN/UPC - Product/Case</b>	8720169316119
<b>Numerator - Packs per outer box</b>	20
<b>EAN/UPC - Case</b>	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

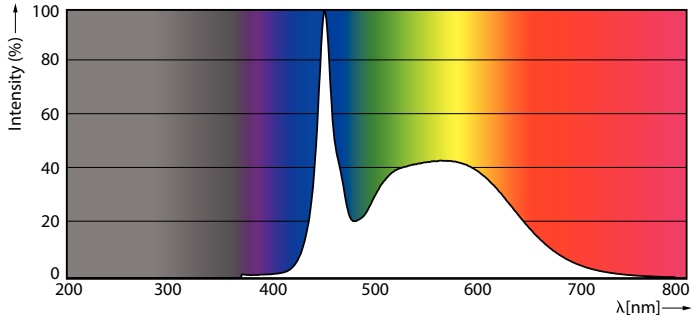


General uniform lighting - MAS LEDtube 1200mm HO 13W865 T8

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

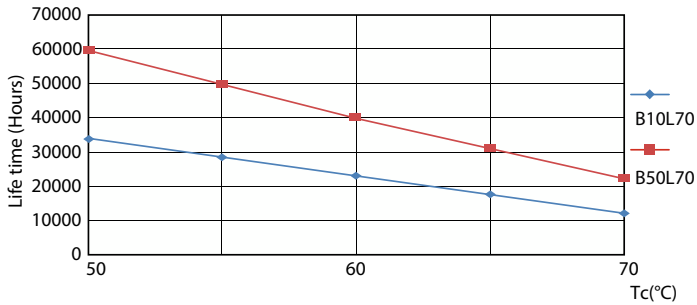
# MASTER LEDtube T8

## Photometric data

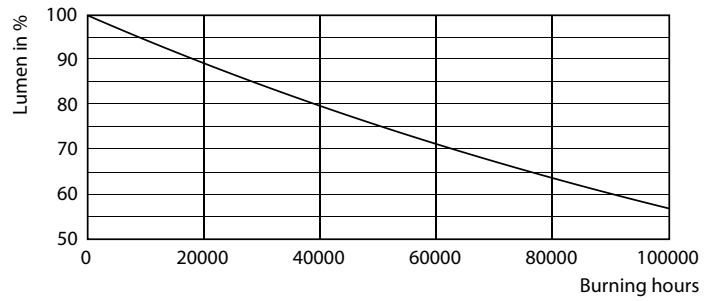


Spectral Power Distribution Colour - MAS LEDtube 1200mm HO 13W865 T8

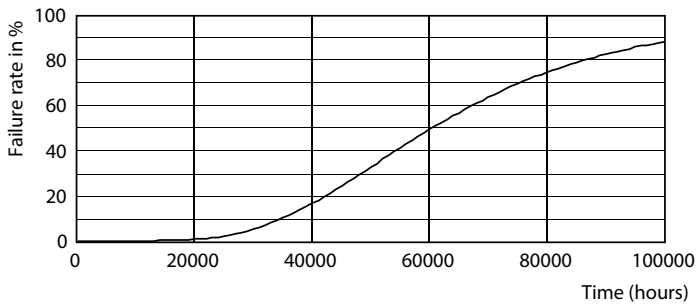
## Lifetime



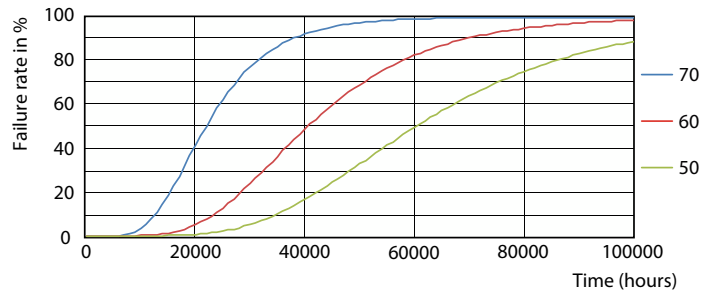
LEDtube 60K 5070 LifetimeVsTc-LED



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



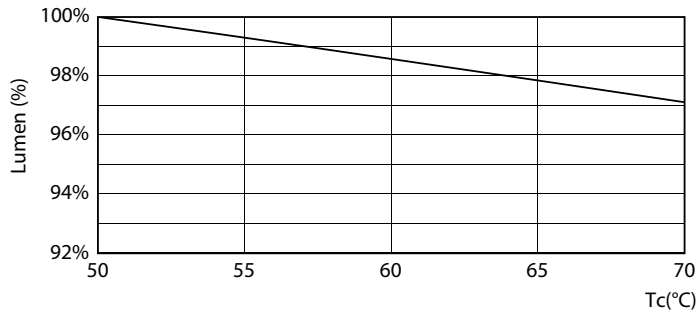
Life Expectancy Diagram



LEDtube 60K 5070 FailureRate-LED

# MASTER LEDtube T8

## Lifetime



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

