



# MASTER Value LEDtube T8

## MAS LEDtube VLE 1200mm HO 13.5W865 T8

A high-performance LED solution, the professional MASTER Value LED tube is ideal for replacing T8 fluorescent lamps using EM ballast or installing directly on the mains. This product provides an optimal combination of value and performance – for use in all general lighting, office, industry, retail, and hospitality applications. The unique design of this LED T8 tube light offers wide compatibility, safety and fast installation, as well as instant energy savings.

### Product data

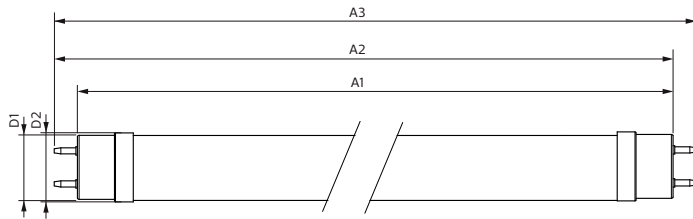
General Information		Operating and Electrical	
Cap-Base	G13	Input Frequency	50 to 60 Hz
Nominal lifetime	60,000 hour(s)	Power Consumption	13.5 W
Switching Cycle	200,000	Lamp Current (Nom)	66 mA
Lighting Technology	LED	Wattage Equivalent	36 W
		Starting Time (Nom)	0.5 s
		Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	0.9
		Voltage (Nom)	220-240 V
Light Technical		Temperature	
Color Code	865 [CCT of 6500K]	Ambient temperature range	-20 to +45 °C
Beam Angle (Nom)	240 degree(s)	T-Case Maximum (Nom)	55 °C
Luminous Flux	2,100 lm		
Luminous Efficacy (rated) (Nom)	155 lm/W	Controls and Dimming	
Color Designation	Cool Daylight	Dimmable	No
Correlated Color Temperature (Nom)	6500 K		
Color Consistency	<6	Mechanical and Housing	
Color rendering index (CRI)	83	Bulb Finish	Frosted
LLMF At End Of Nominal Lifetime (Nom)	70 %		
Photobiological safety according to EN 62471	RG0		

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Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8
<b>Approval and Application</b>	
Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate
EU RoHS compliant	Yes
<b>Product Data</b>	
Order product name	MAS LEDtube VLE 1200mm HO 13.5W865 T8

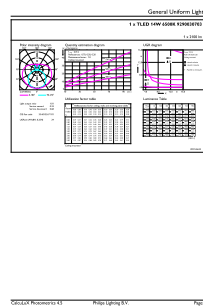
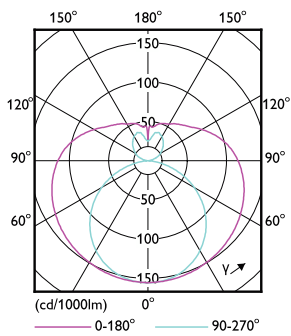
Full product name	MAS LEDtube VLE 1200mm HO 13.5W865 T8
Full product code	872016934172200
Order code	929003070368
Material Nr. (12NC)	929003070368
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.185 kg
EAN/UPC - Product/Case	8720169341722
Numerator - Packs per outer box	20
EAN/UPC - Case	8720169341739

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube VLE 1200mm HO 13.5W865 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

## Photometric data

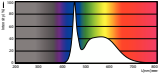


Light Distribution Diagram - MAS LEDtube VLE 1200mm HO 13.5W865 T8

General uniform lighting - MAS LEDtube VLE 1200mm HO 13.5W865 T8

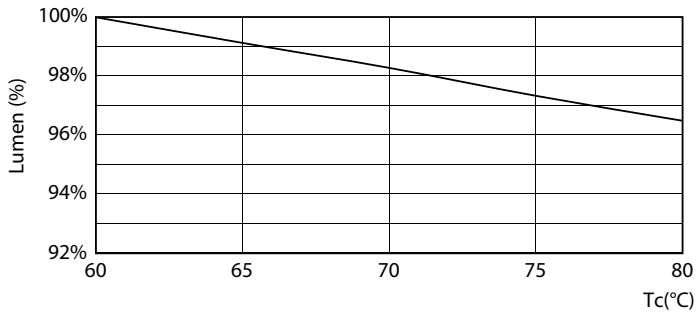
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## Photometric data

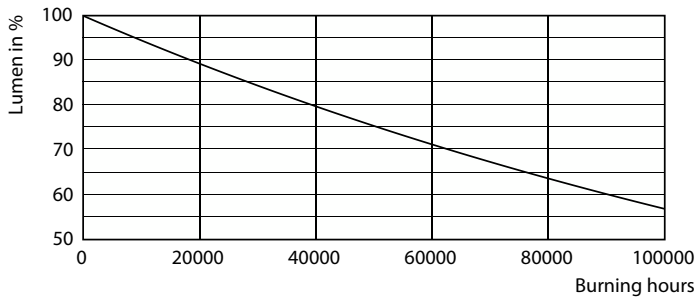


Spectral Power Distribution Colour - MAS LEDtube VLE 1200mm HO 13.5W865 T8

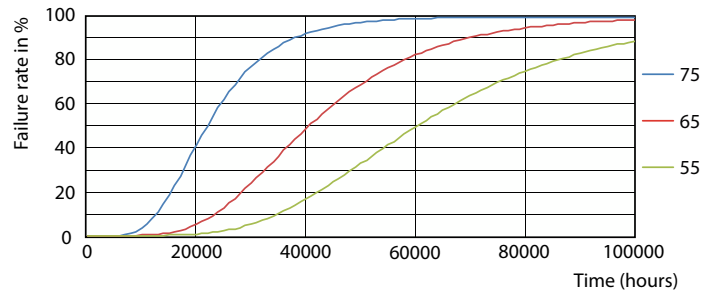
## Lifetime



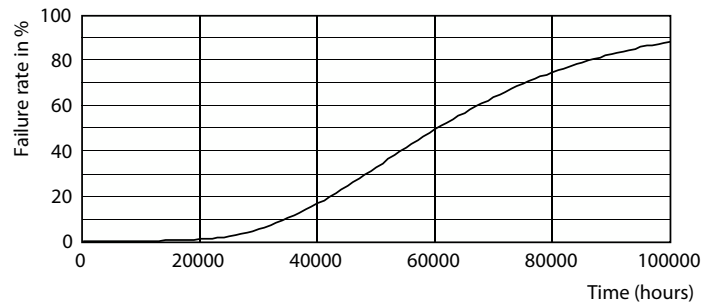
Lumen Maintenance Diagram - MAS LEDtube VLE 1200mm HO 13.5W865 T8



Lumen Maintenance Diagram - MAS LEDtube VLE 1200mm HO 13.5W865 T8



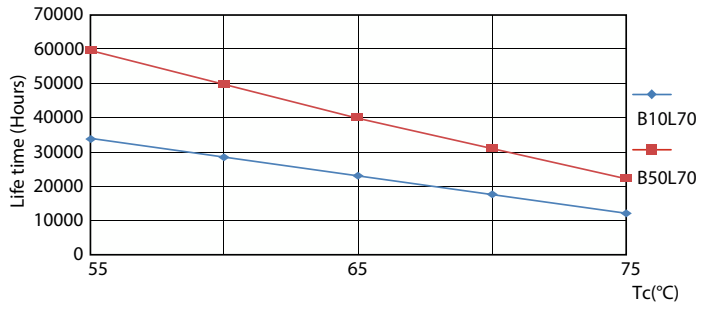
FailureRate



Life Expectancy Diagram

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## Lifetime



LifetimeVsTc

