PHILIPS

Lighting

MASTER LEDtube T8

MAS LEDtube 1200mm MO 23W865 T8

MASTER, LEDtube, T8, Mains, Single-end, 1200 mm, 100-277 V, 23 W, 48W TL-D, 6500 K, 3700 lm, 60000 hour(s)

MASTER, LEDtube, T8, Mains, Single-end, 1200 mm, 100-277 V, 23 W, LED alternative to 48W TL-D, 6500 K, 3700 lm, 60000 hour(s), 160 lm/W, G13, Beam angle 160 degree(s), Plastic, RG0

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	
Cap-Base	G13
Nominal lifetime	60,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LEDtube

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	3,700 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	160 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	23 W
Lamp Current (Max)	270 mA
Lamp Current (Min)	97 mA
Wattage Equivalent	48 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	100-277 V
LED alternative to fluorescent lamp power	48W TL-D
Ballast Compatibility	Mains

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Temperature	
T-Case Maximum (Nom)	55 °C

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

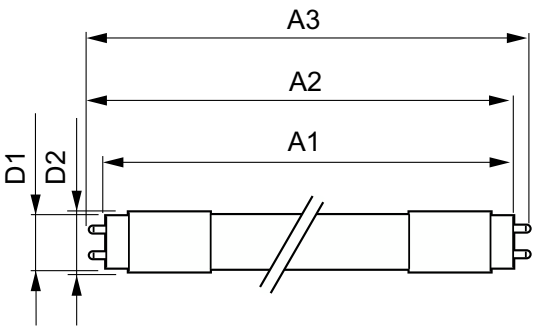
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate
EU RoHS compliant	Yes

Ambient temperature range	-20 to +45 °C

Application Conditions	
Wireless Technology	Not applicable

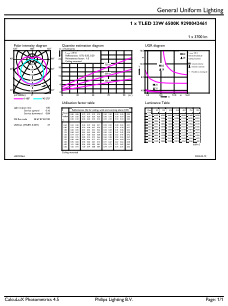
Product Data	
Order product name	MAS LEDtube 1200mm MO 23W865 T8
Full product name	MAS LEDtube 1200mm MO 23W865 T8
Full product code	872016939082900
Order code	929004246108
Material Nr. (12NC)	929004246108
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169390829
Numerator - Packs per outer box	20
EAN/UPC - Case	8720169390836

Dimensional drawing

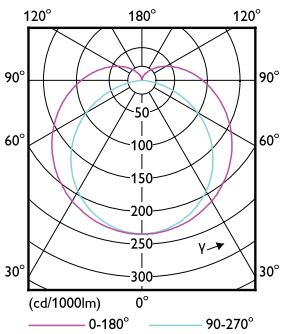


Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm MO 23W865 T8	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

Photometric data



General uniform lighting - MAS LEDtube 1200mm MO 23W865 T8



Light Distribution Diagram - MAS LEDtube 1200mm MO 23W865 T8

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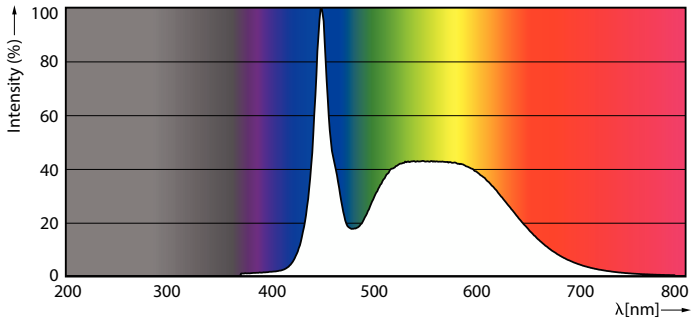
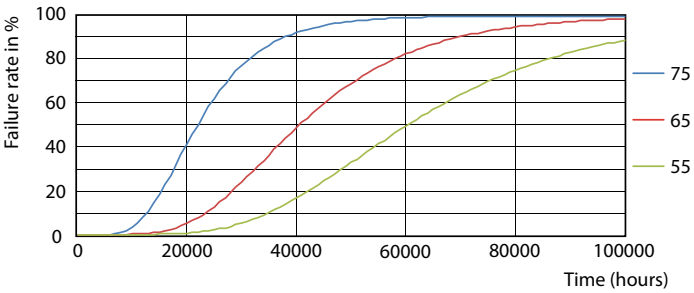
Photometric data

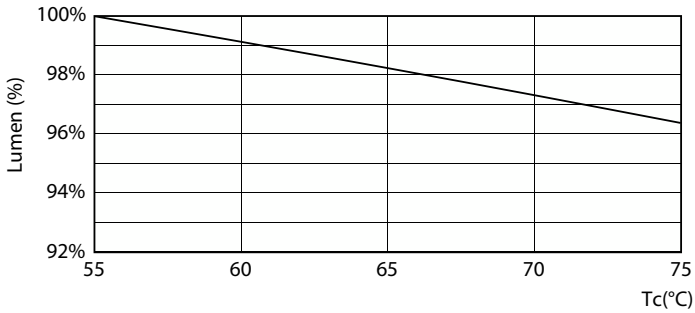


Spectral Power Distribution Colour - MAS LEDtube 1200mm MO 23W865 T8

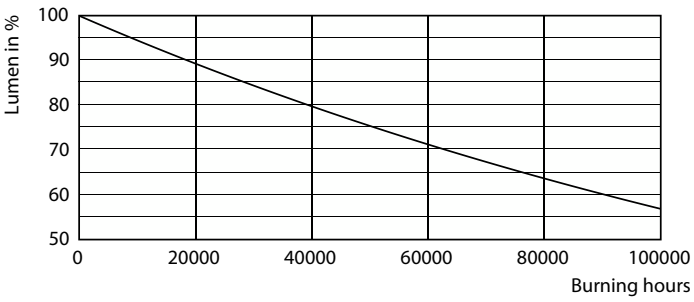
Lifetime



FailureRate



Lumen Maintenance Diagram - MAS LEDtube 1200mm MO 23W865 T8



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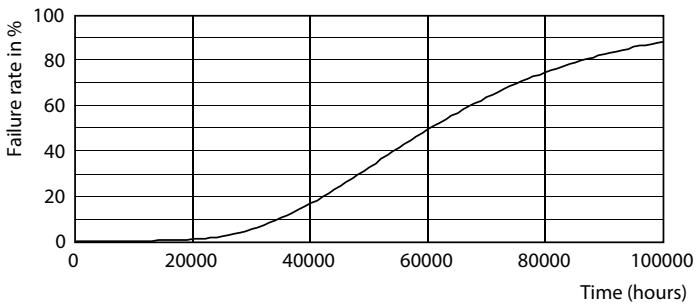

Life Expectancy Diagram

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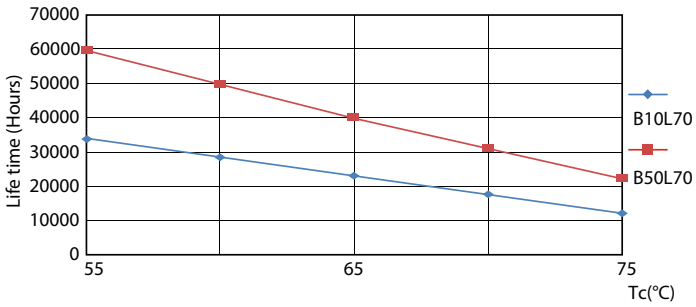
Lifetime



LifetimeVsTc

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