PHILIPS

Lighting



MASTER Value LEDtube T8

MASTER LEDtube VLE 1200mm UO 16W 840 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	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	2,500 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	156.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	16 W
Lamp Current (Max)	75 mA
Lamp Current (Min)	68 mA
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

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	55 °C

Controls and Dimming	
Dimmable	No

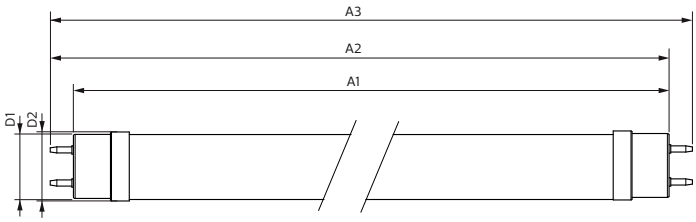
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Mechanical and Housing	
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8

Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	16 kWh

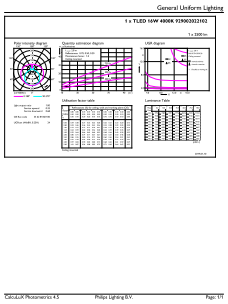
Product Data	
Order product name	MAS LEDtube VLE 1200mm UO 16W 840 T8
Full product name	MASTER LEDtube VLE 1200mm UO 16W 840 T8
Full product code	871869964699800
Order code	64699800
Material Nr. (12NC)	929002022102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699646998
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699647001

Dimensional drawing

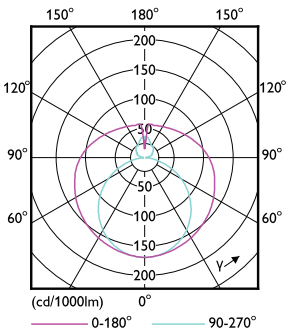


Product	D1	D2	A1	A2	A3
MAS LEDtube VLE 1200mm UO 16W 840 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data



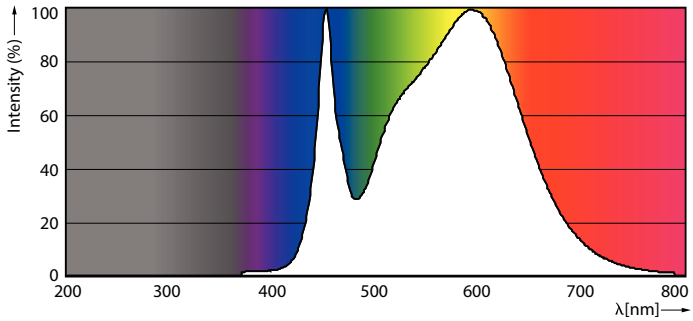
General uniform lighting - MAS LEDtube VLE 1200mm UO 16W 840 T8



Light Distribution Diagram - MAS LEDtube VLE 1200mm UO 16W 840 T8

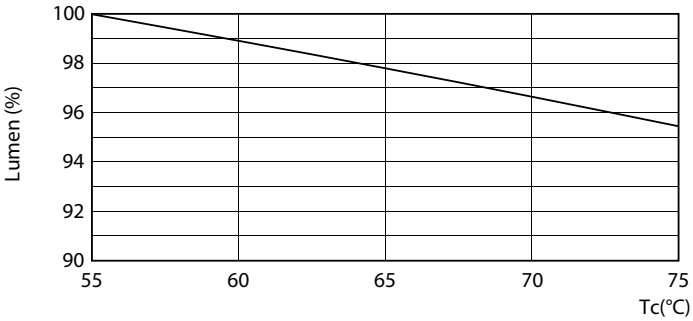
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Photometric data

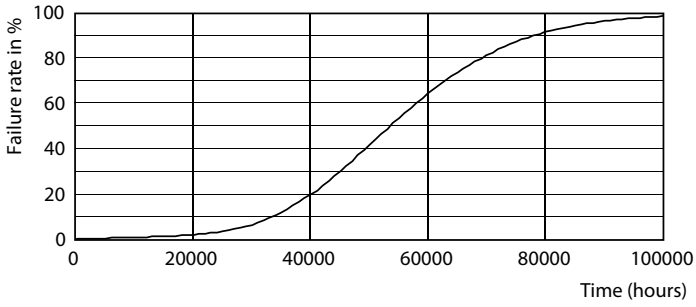


Spectral Power Distribution Colour - MAS LEDtube VLE 1200mm UO 16W 840 T8

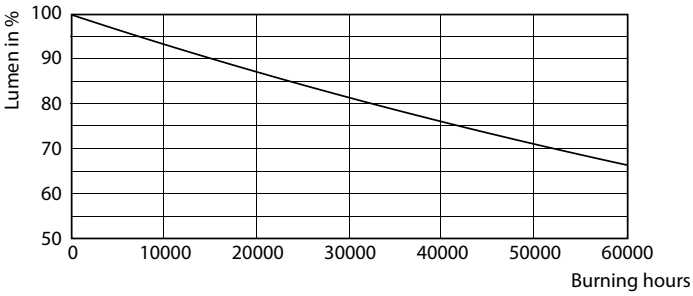
Lifetime



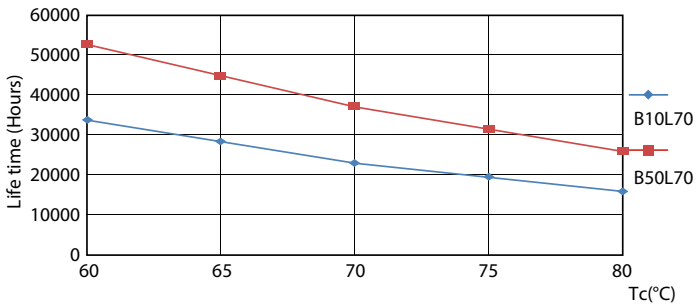
Lumen Maintenance Diagram - MAS LEDtube VLE 1200mm UO 16W 840 T8



Life Expectancy Diagram - MAS LEDtube VLE 1200mm UO 16W 840 T8



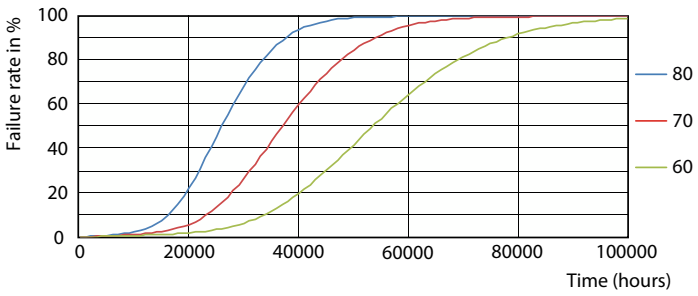
Lumen Maintenance Diagram - MAS LEDtube VLE 1200mm UO 16W 840 T8



Life Expectancy Diagram - MAS LEDtube VLE 1200mm UO 16W 840 T8

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Lifetime



Life Expectancy Diagram - MAS LEDtube VLE 1200mm UO 16W 840 T8

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