MASTER LEDtube EM/ Mains

MASTER LEDtube 1500mm UO 23W 840 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 lamping in general lighting applications.

Warnings and Safety

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Product data

General Information	
Cap base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]
Nominal lifetime	60,000 h
Switching Cycle	200,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	160 degree(s)
Luminous Flux	3,700 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	160.00 lm/W
Colour consistency	<6
Colour 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	23 W
Lamp current (max.)	108 mA
Lamp current (min.)	99 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.)	60 °C

Controls and Dimming	
Dimmable	No

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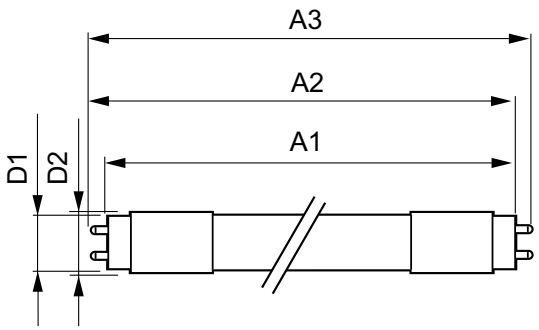
Mechanical and Housing	
Bulb material	Plastic
Product length	1,500 mm

Approval and Application	
Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	23 kWh

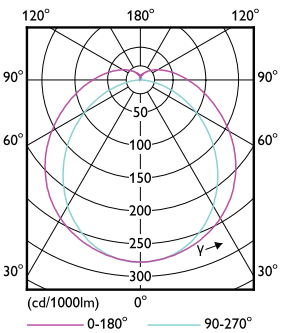
Product Data	
Order product name	MAS LEDtube 1500mm UO 23W 840 T8
Full product name	MASTER LEDtube 1500mm UO 23W 840 T8
Full EOC	871869964729200
Order code	64729200
Material no. (12 NC)	929002020902
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699647292
Numerator – packs per outer box	10
EAN/UPC - Case	8718699647308

Dimensional drawing

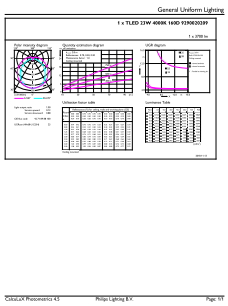


Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm UO 23W 840 T8	25.8 mm	28 mm	1,498.7 mm	1,505.8 mm	1,512.9 mm

Photometric data



Light Distribution Diagram - MAS LEDtube 1500mm UO 23W 840 T8



Accent Lighting Spots - MAS LEDtube 1500mm UO 23W 840 T8

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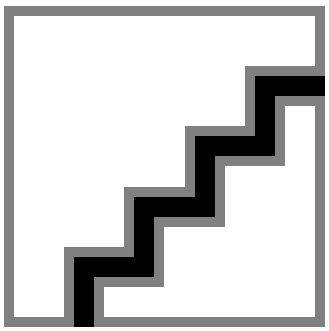
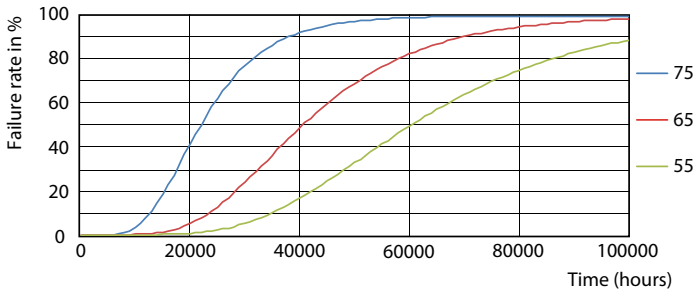
Photometric data

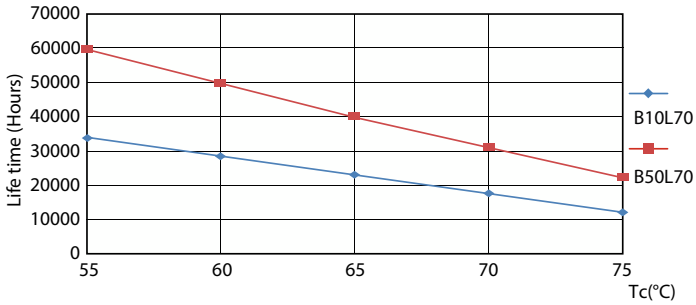


Spectral Power Distribution Colour - MAS LEDtube 1500mm UO 23W 840 T8

Lifetime



Life Expectancy Diagram - MAS LEDtube 1500mm UO 23W 840 T8



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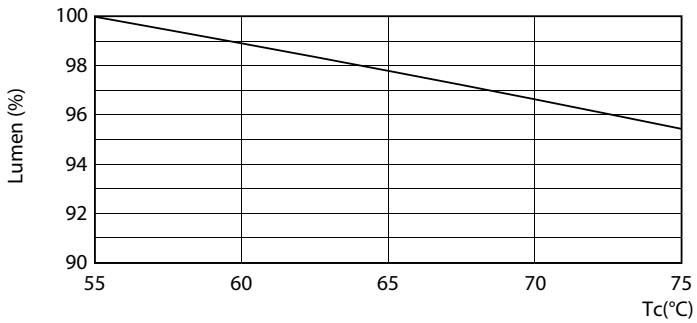
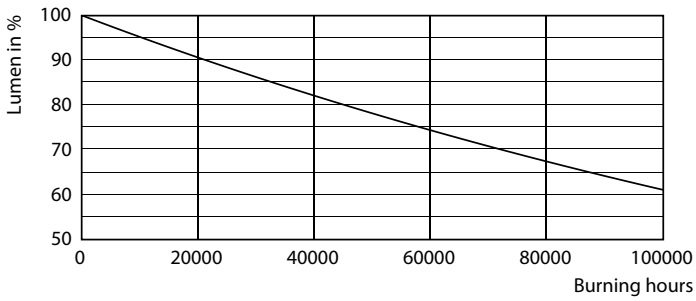


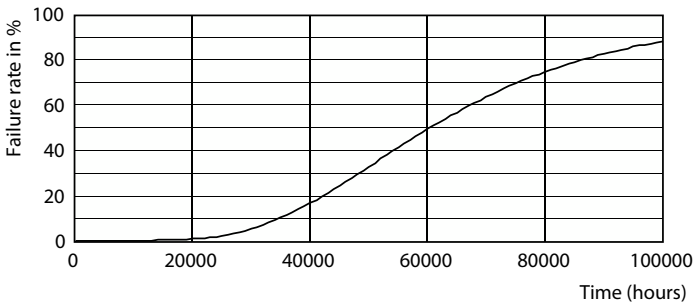
Lumen Maintenance Diagram - MAS LEDtube 1500mm UO 23W 840 T8



Lumen Maintenance Diagram - MAS LEDtube 1500mm UO 23W 840 T8

MASTER LEDtube EM/Mains

Lifetime



Life Expectancy Diagram - MAS LEDtube 1500mm UO 23W 840 T8

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