PHILIPS

Lighting



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1500mm UO 23W 865 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. For those that are looking for value for money within limited budget and re-lamping efforts for better light effect and lifetime.

Warnings and Safety

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Product data

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

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)	160.00 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	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

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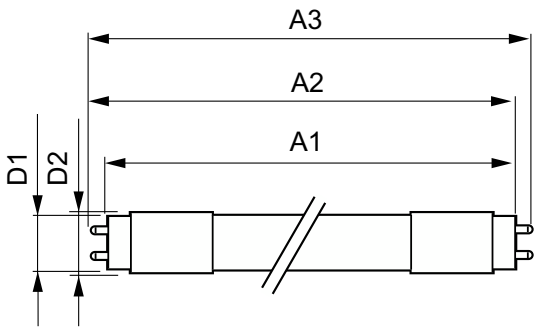
Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Material	Plastic
Product Length	1,500 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	23 kWh

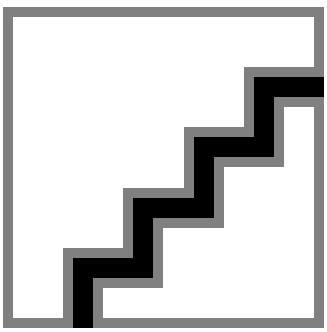
Product Data	
Order product name	MAS LEDtube 1500mm UO 23W 865 T8
Full product name	MAS LEDtube 1500mm UO 23W 865 T8
Full product code	871869964731500
Order code	929002021002
Material Nr. (12NC)	929002021002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699647315
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699647322

Dimensional drawing

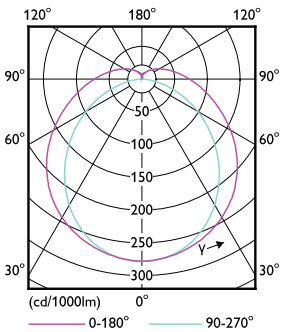


Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm UO 23W 865 T8	25.8 mm	28 mm	1,498.7 mm	1,505.8 mm	1,512.9 mm

Photometric data



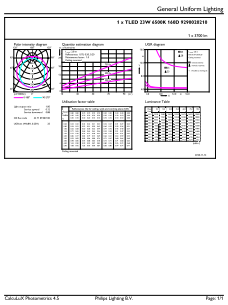
Spectral Power Distribution Colour - MAS LEDtube 1500mm UO 23W 865 T8



Light Distribution Diagram - MAS LEDtube 1500mm UO 23W 865 T8

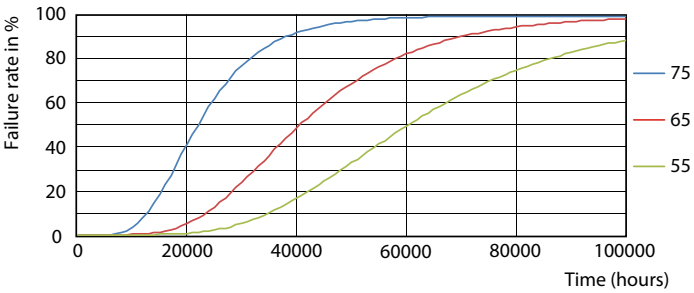
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Photometric data

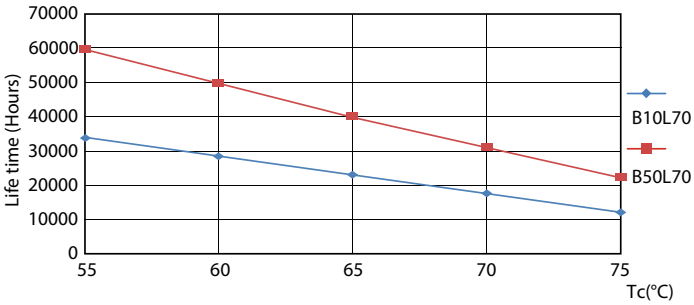


Accent Lighting Spots - MAS LEDtube 1500mm UO 23W 865 T8

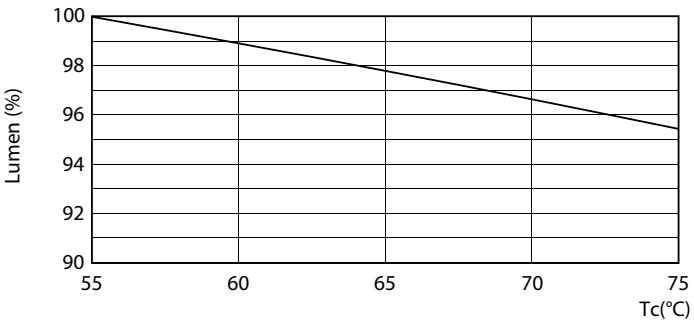
Lifetime



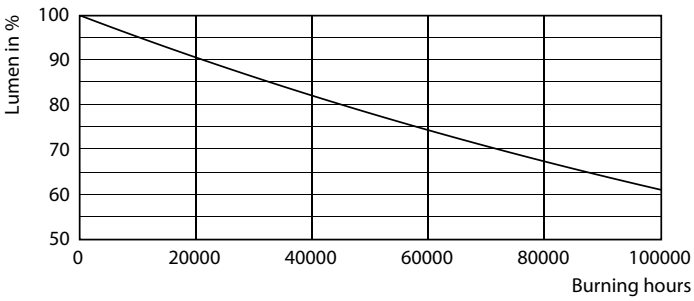
Life Expectancy Diagram - MAS LEDtube 1500mm UO 23W 865 T8



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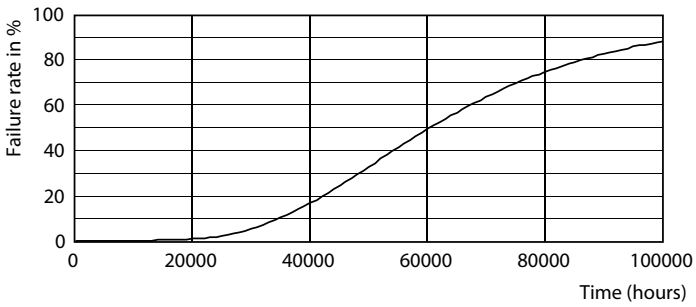
Lumen Maintenance Diagram - MAS LEDtube 1500mm UO 23W 865 T8



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Lifetime



Life Expectancy Diagram - MAS LEDtube 1500mm UO 23W 865 T8

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