



MASTER LEDtube EM/ Mains T8

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. 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

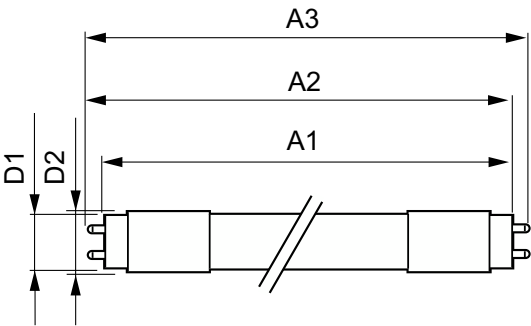
General Information		LLMF At End Of Nominal Lifetime (Nom) 70 %	
Cap-Base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]	Operating and Electrical	
Nominal lifetime	60,000 hour(s)	Line Frequency	50 to 60 Hz
Switching Cycle	200,000	Input Frequency	50 to 60 Hz
Lighting Technology	LED	Power Consumption	23 W
EU RoHS compliant	Yes	Lamp Current (Max)	108 mA
Light Technical		Lamp Current (Min)	99 mA
Color Code	840 [CCT of 4000K]	Starting Time (Nom)	0.5 s
Beam Angle (Nom)	160 degree(s)	Warm-up time to 60% light	0.5 s
Luminous Flux	3,700 lm	Power Factor (Fraction)	0.9
Color Designation	Cool White (CW)	Voltage (Nom)	220-240 V
Correlated Color Temperature (Nom)	4000 K	Temperature	
Luminous Efficacy (rated) (Nom)	160.00 lm/W	Ambient temperature range	-20 °C to 45 °C
Color Consistency	<6	T-Case Maximum (Nom)	60 °C
Color rendering index (CRI)	83		

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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

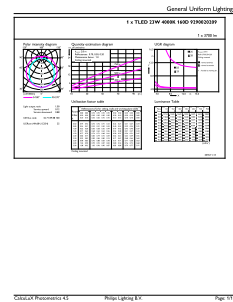
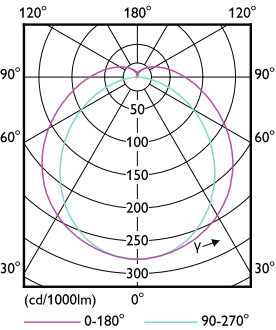
Product Data	
Order product name	MAS LEDtube 1500mm UO 23W 840 T8
Full product name	MASTER LEDtube 1500mm UO 23W 840 T8
Full product code	871869964729200
Order code	64729200
Material Nr. (12NC)	929002020902
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699647292
Numerator - Packs per outer 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

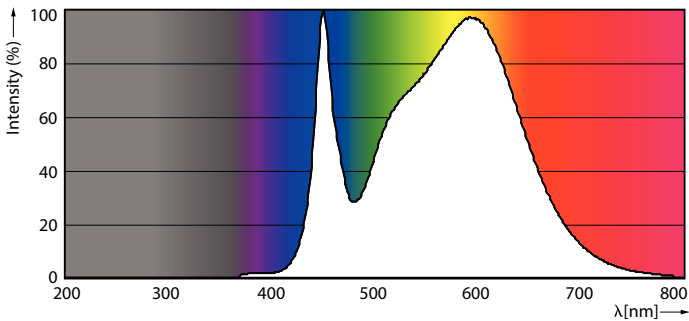


Light Distribution Diagram - MAS LEDtube 1500mm UO 23W 840 T8

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

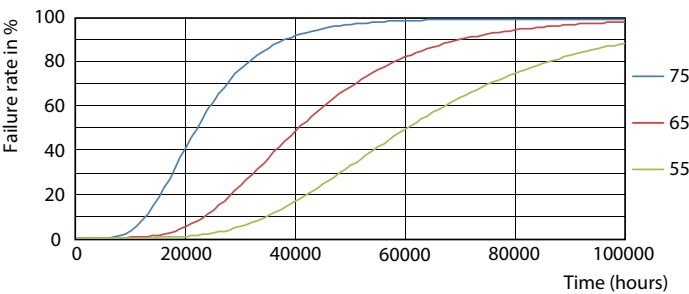
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Photometric data

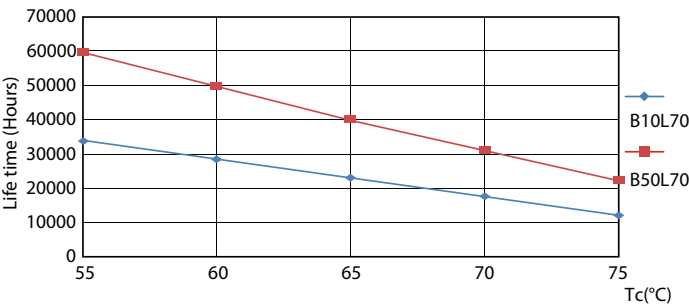


Spectral Power Distribution Colour - MAS LEDtube 1500mm UO 23W 840 T8

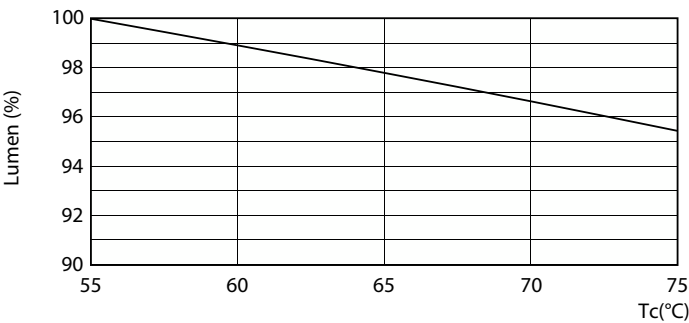
Lifetime



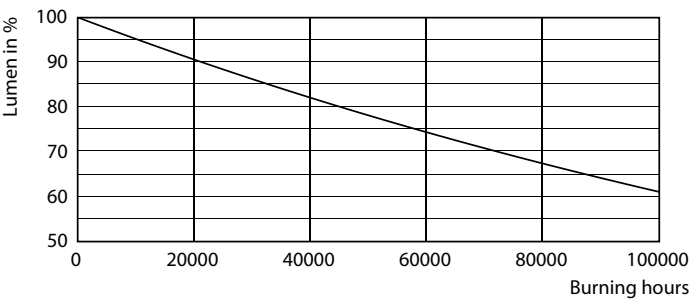
Life Expectancy Diagram - MAS LEDtube 1500mm UO 23W 840 T8



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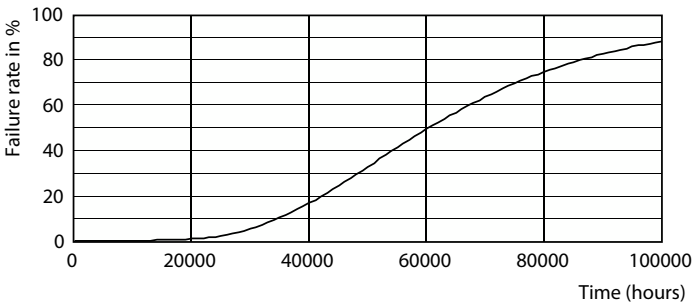
Lumen Maintenance Diagram - MAS LEDtube 1500mm UO 23W 840 T8



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Lifetime



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

