



MASTER Value LEDtube T8



MASTER LEDtube VLE 1500mm UO 23W 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]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	60000 h
Switching Cycle	200000
Flux measurement reference	Sphere

Light technical	
Colour Code	840 [CCT of 4000K]
Beam Angle (Nom)	190 °
Luminous Flux (Nom)	3700 lm
Colour Designation	Cool White (CW)
Colour Temperature, horizontal (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	160 lm/W
Color Consistency	<6
Colour Rendering Index horiz (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and electrical	
Input Frequency	50 to 60 Hz
Power (Rated) (Nom)	23 W
Lamp Current (Max)	108 mA
Lamp Current (Min)	99 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	220-240 V

Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	65 °C

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Controls and dimming

Dimmable	No
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Mechanical and housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1500 mm
Bulb Shape	Tube, double-ended

Approval and application

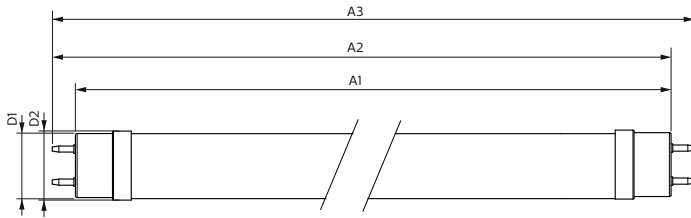
Energy Efficiency Class	C
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	23 kWh

EPREL Registration Number	1095875
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Product data

Full product code	871951431688100
Order product name	MASTER LEDtube VLE 1500mm UO 23W 840 T8
EAN/UPC - Product	8719514316881
Order code	31688100
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002998002
Net Weight (Piece)	0.275 kg

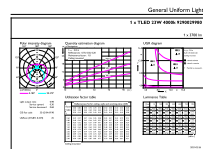
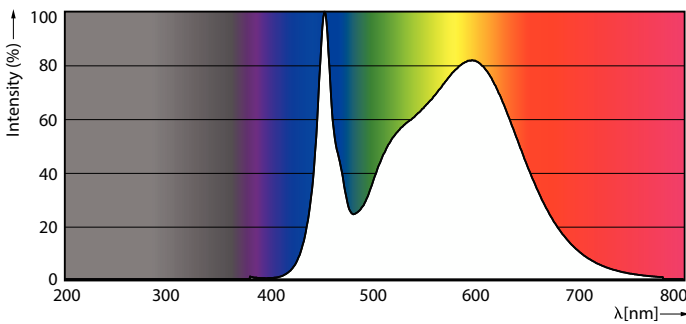
Dimensional drawing



Product	D1	D2	A1	A2	A3
MASTER LEDtube VLE 1500mm UO 23W 840 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm

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Photometric data



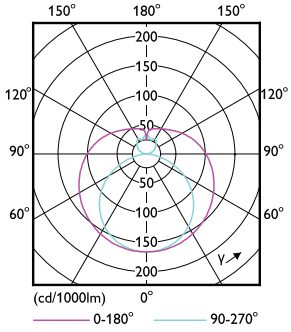
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Spectral Power Distribution Colour

General uniform lighting

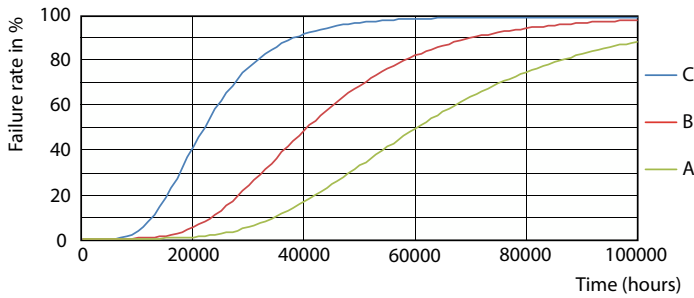
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Photometric data

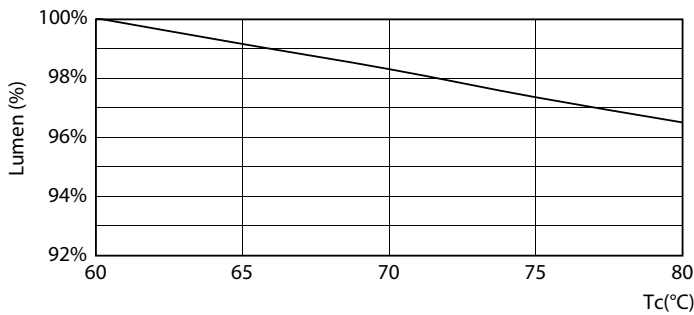


Light Distribution Diagram

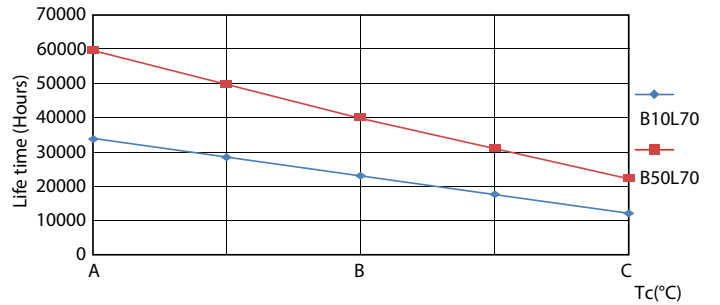
Lifetime



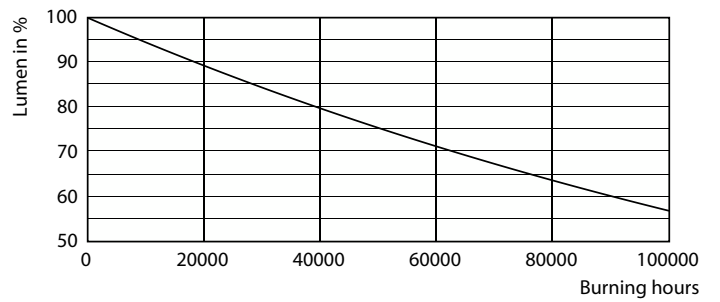
FailureRate



LumenVsTc



LifetimeVsTc



Lumen Maintenance Diagram

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Lifetime



Life Expectancy Diagram

