

MASTER Value LEDtube T8



MAS 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]
Nominal lifetime	60,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	190 degree(s)
Luminous Flux	3,700 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	160 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Flickering value (PstLM) - Flickering value as per EN 61000-3-3	
1	
Stroboscopic effect visibility measure (SVM)	0.4
Photobiological safety according to EN 62471	RG0
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
LED alternative to fluorescent lamp power	58 W
Inrush current at mains	8.2
Max. lamp no. on MCB B type 10A - Mains	65

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Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	65
Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	10
Max. lamp no. on MCB B type 16A – Mains	100
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	100
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	16
Ballast Compatibility	EM/Mains

Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	65 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,500 mm
Bulb Shape	T8

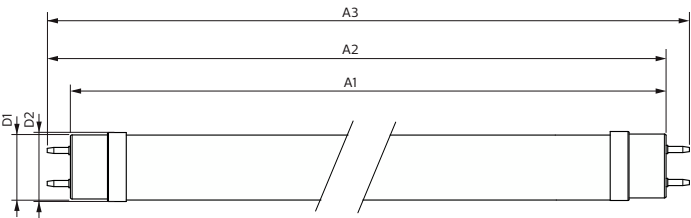
Approval and Application

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

Product Data

Order product name	MAS LEDtube VLE 1500mm UO 23W 840 T8
Full product name	MAS LEDtube VLE 1500mm UO 23W 840 T8
Full product code	871951431688100
Order code	929002998002
Material Nr. (12NC)	929002998002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514316881
Numerator - Packs per outer box	10
EAN/UPC - Case	8719514316898

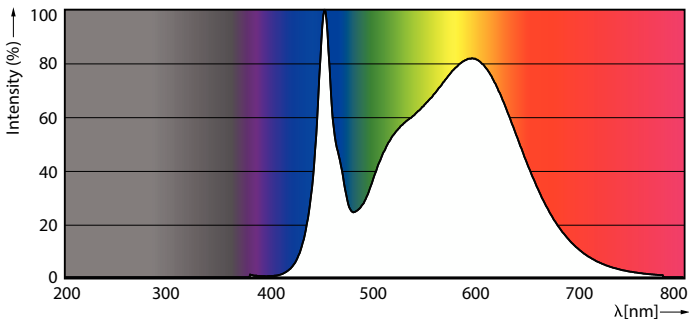
Dimensional drawing



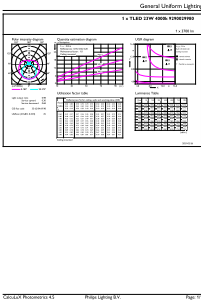
Product	D1	D2	A1	A2	A3
MAS LEDtube VLE 1500mm UO 23W 840 T8	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm

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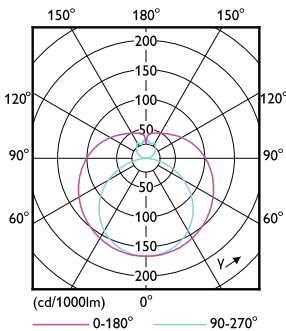
Photometric data



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

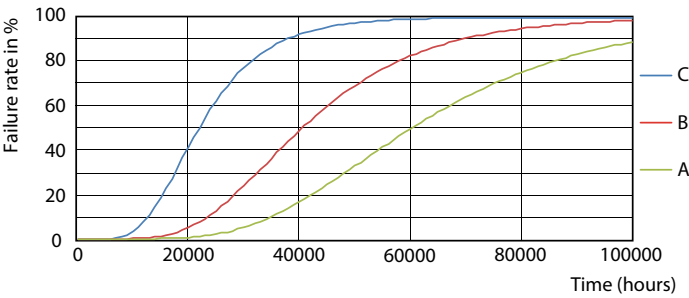


General uniform lighting - MAS LEDtube VLE 1500mm UO 23W 840 T8

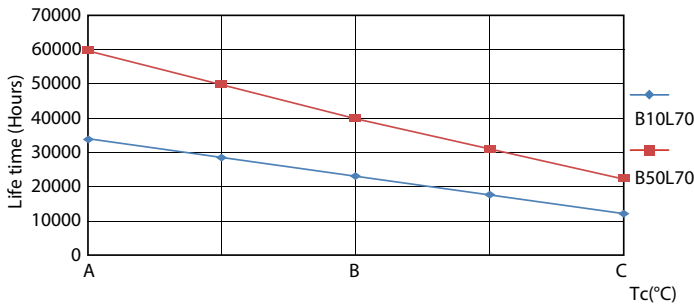


Light Distribution Diagram - MAS LEDtube VLE 1500mm UO 23W 840 T8

Lifetime



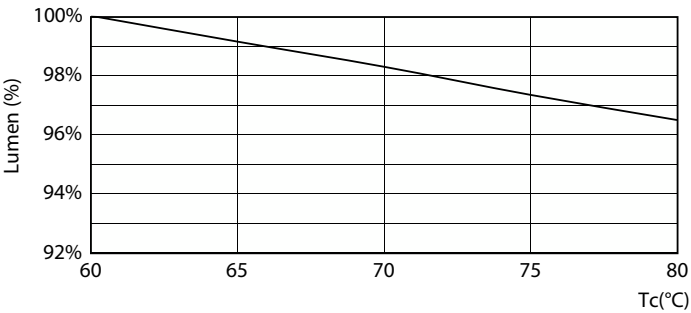
Life Expectancy Diagram - MAS LEDtube VLE 1500mm UO 23W 840 T8



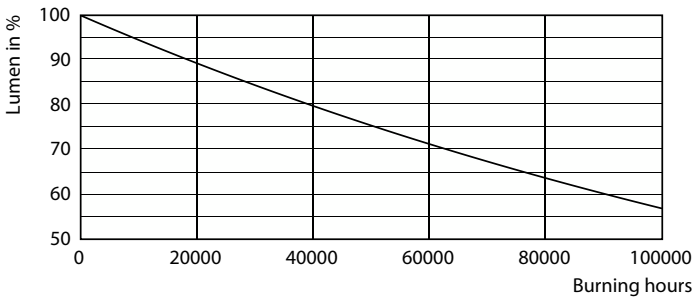
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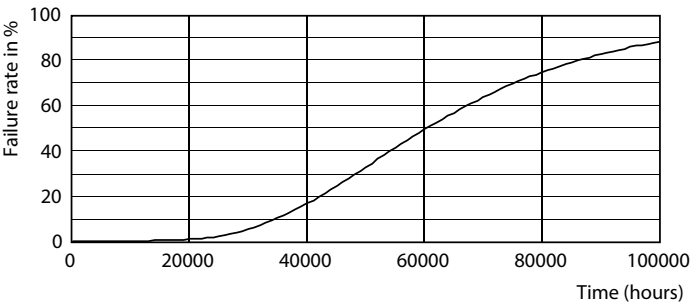
Lifetime



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



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