



# 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

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	23 W
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

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

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	190 degree(s)

Luminous Flux	3,700 lumen
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 %

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

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,500 mm

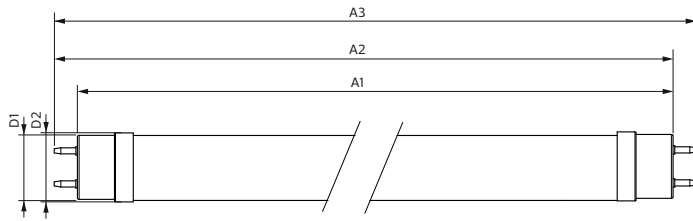
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Bulb Shape	Tube, double-ended
<b>Approval and Application</b>	
Energy Efficiency Class	C
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	23 kWh
EPREL Registration Number	1,095,875
CE mark	Yes
EU RoHS compliant	Yes

## Product Data

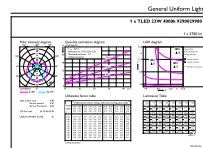
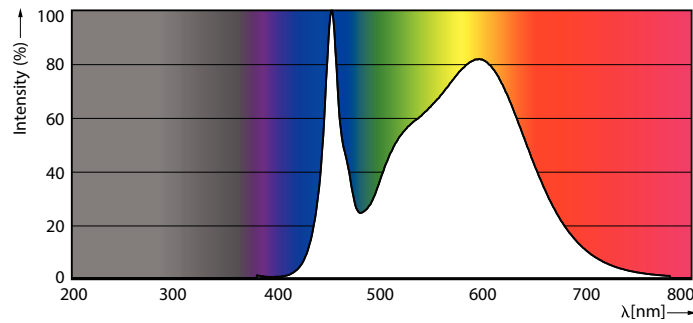
Full product code	871951431688100
Order product name	MAS LEDtube VLE 1500mm UO 23W 840 T8
Order code	31688100
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929002998002
Full product name	MASTER LEDtube VLE 1500mm UO 23W 840 T8
EAN/UPC - Case	8719514316898

## 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

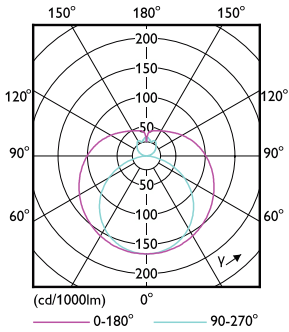
## Photometric data



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

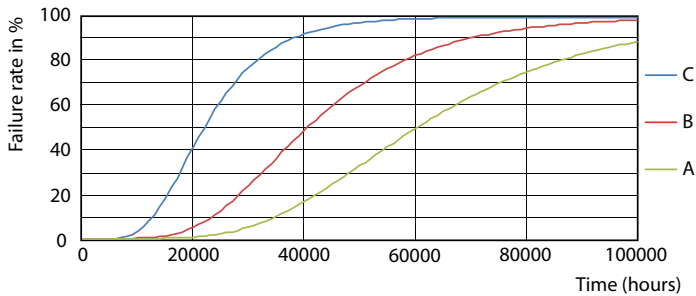
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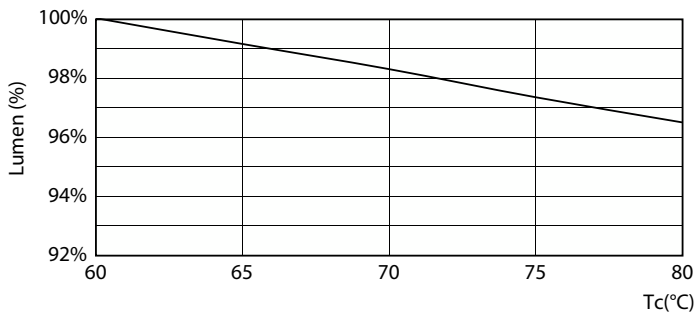


Light Distribution Diagram - MAS LEDtube VLE 1500mm UO 23W 840 T8

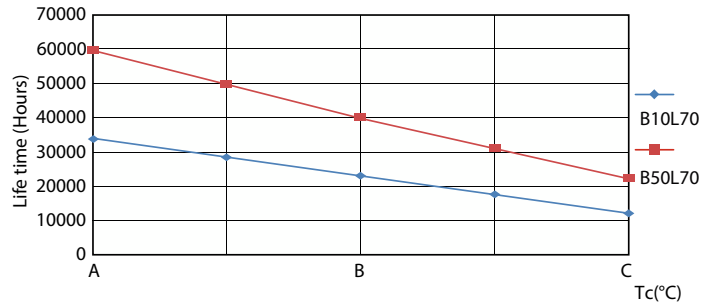
## Lifetime



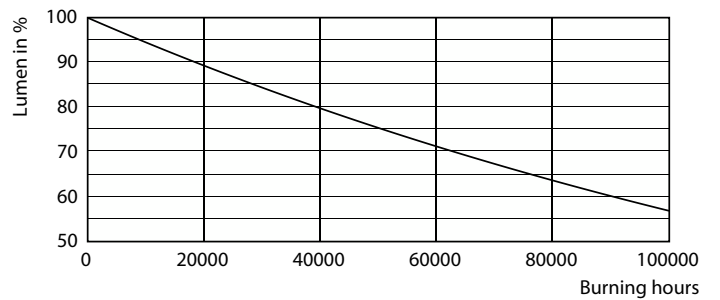
Life Expectancy Diagram - MAS LEDtube VLE 1500mm UO 23W 840 T8



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



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## Lifetime



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