



# Master Value LEDtube T8



## MASTER LEDtube VLE 1500mm UO 23W 865 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 a uniform lighting effect for use in all general lighting, as well as instant energy-efficiency, making for an environmentally friendly solution.

### Product data

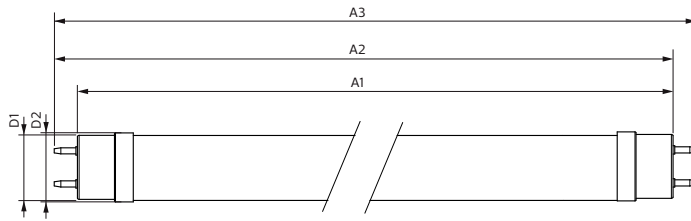
General Information		Power (Rated) (Nom)	
Cap base	G13 [ Medium Bi-Pin Fluorescent]		23 W
EU RoHS compliant	Yes	Lamp current (max.)	108 mA
Nominal lifetime (nom.)	60000 h	Lamp current (min.)	99 mA
Switching cycle	200,000X	Starting time (nom.)	0.5 s
	Sphere	Warm-up time to 60% light (nom.)	0.5 s
		Power factor (nom.)	0.9
		Voltage (Nom)	220-240 V
Light Technical		Temperature	
Colour Code	865 [ CCT of 6,500 K]	T-ambient (max.)	45 °C
Beam Angle (Nom)	190 °	T-ambient (min.)	-20 °C
Luminous flux (nom.)	3700 lm	T storage (max.)	65 °C
Colour designation	Cool Daylight	T storage (min.)	-40 °C
Correlated Colour Temperature (Nom)	6500 K	T-Case maximum (nom.)	65 °C
Luminous efficacy (rated) (nom.)	160.00 lm/W	Controls and Dimming	
Colour consistency	<6	Dimmable	No
Colour rendering index (nom.)	80	Mechanical and Housing	
LLMF at end of nominal lifetime (nom.)	70 %	Lamp Finish	Frosted
Operating and Electrical			
Input frequency	50 to 60 Hz		

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Bulb material	Glass
Product length	1500 mm
Bulb shape	Tube, double-ended
<b>Approval and Application</b>	
Energy Efficiency Class	C
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	23 kWh 403669

<b>Product Data</b>	
Full product code	871951431690400
Order product name	MASTER LEDtube VLE 1500mm UO 23W 865 T8
EAN/UPC – product	8719514316904
Order code	31690400
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929002998102
SAP net weight (piece)	0.270 kg

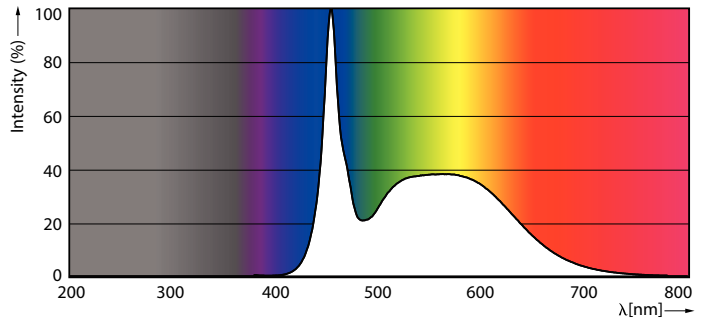
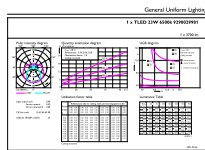
## Dimensional drawing



Product	D1	D2	A1	A2	A3
MASTER LEDtube VLE 1500mm UO 23W 865 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm

TLED T8 220-240V 23-58W 3700lm 6500K

## Photometric data

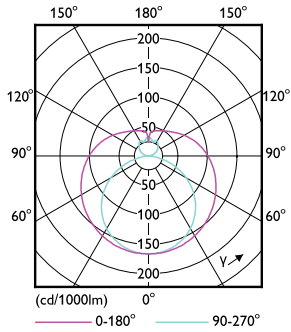


LEDtube MAS 23W G13 3700lm 865

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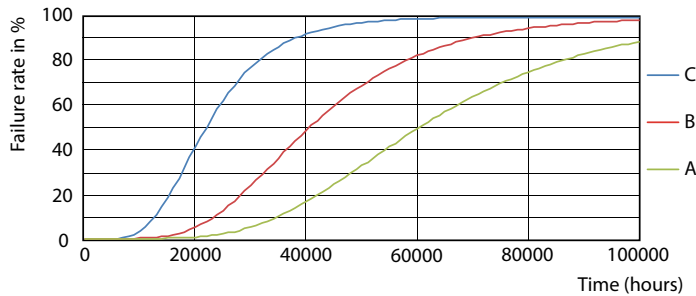
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## Photometric data

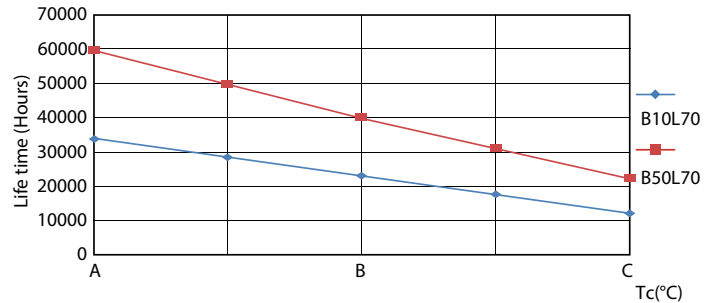


LEDtube MAS 23W G13 3400lm

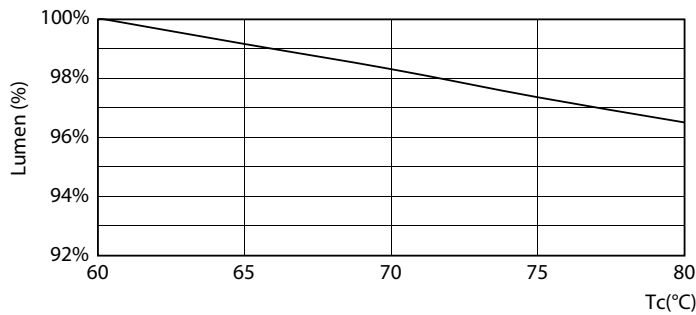
## Lifetime



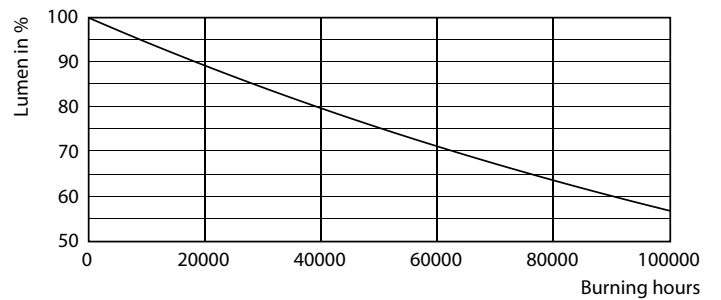
LEDtube\_60K\_FailureRate



LEDtube\_60K\_LifetimeVsTc



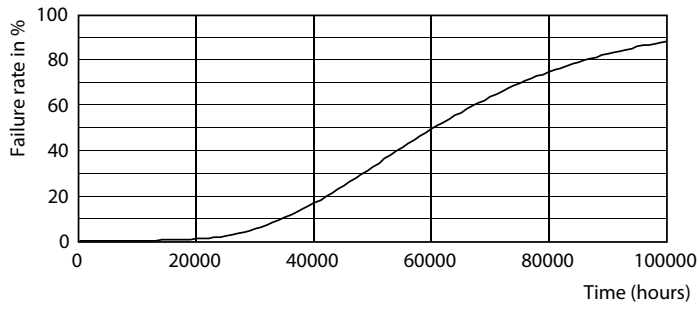
LEDtube MAS 23W 60K LumenVsTc



LEDtube\_60K

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## Lifetime



LEDtube\_60K

