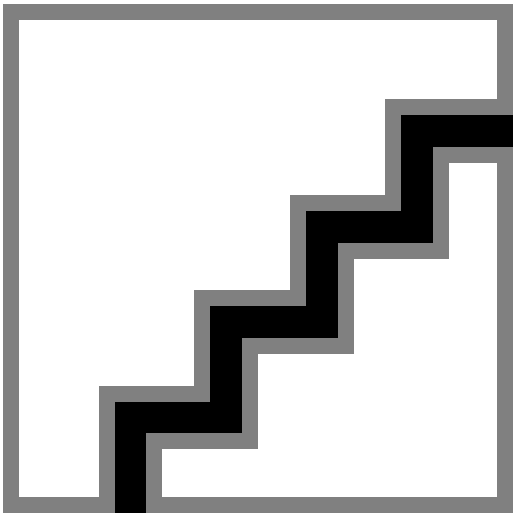


MASTER Value LEDtube T8

MASTER LEDtube VLE 1500mm UO 23W 830 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	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	190 °
Luminous Flux (Nom)	3400 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	147.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and electrical	
Input Frequency	50 to 60 Hz
Power (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

MASTER Value LEDtube T8

Controls and dimming	
Dimmable	No

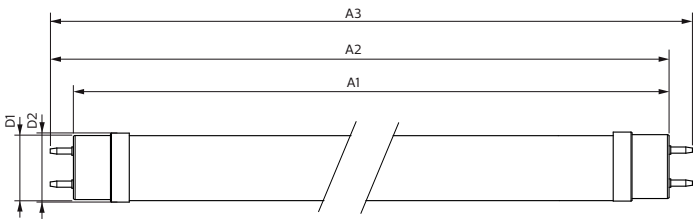
Mechanical and housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1500 mm
Bulb Shape	Tube, double-ended

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

EPREL Registration Number	1095874

Product data	
Full product code	871951431686700
Order product name	MASTER LEDtube VLE 1500mm UO 23W 830 T8
EAN/UPC - Product	8719514316867
Order code	31686700
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002997902
Net Weight (Piece)	0.275 kg

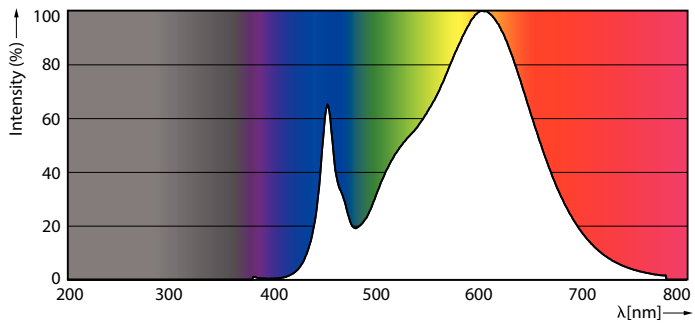
Dimensional drawing



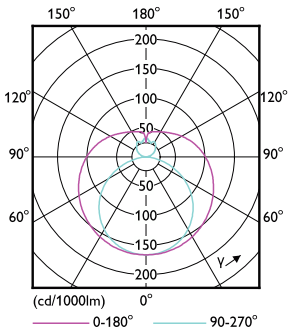
Product	D1	D2	A1	A2	A3
MASTER LEDtube VLE 1500mm UO 23W 830 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm

MASTER LEDtube VLE 1500mm UO 23W 830 T8

Photometric data



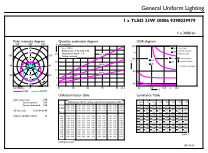
LEDtube MAS 23W G13 3400lm 830



Light Distribution Diagram

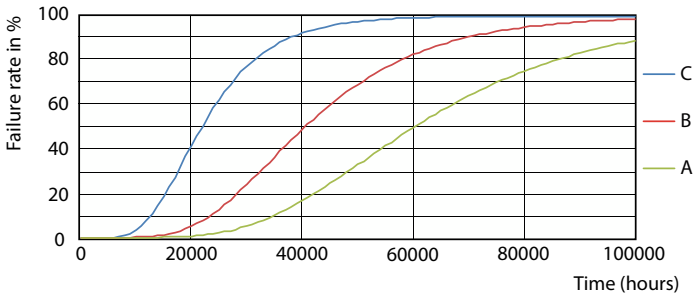
MASTER Value LEDtube T8

Photometric data

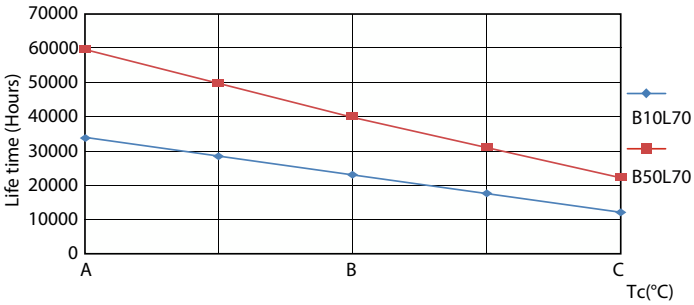


LEDtube MAS 23W G13 3400lm 830

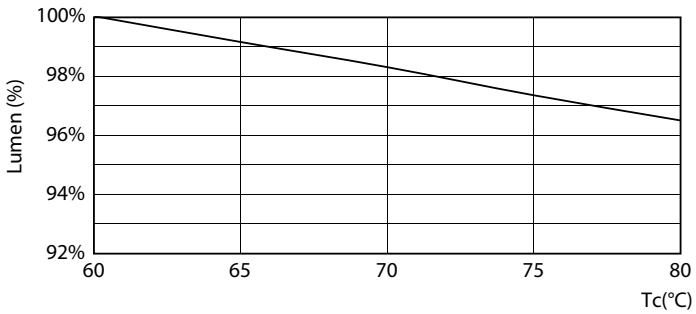
Lifetime



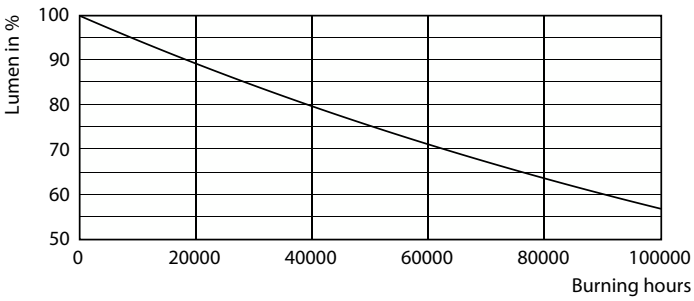
FailureRate



LifetimeVsTc



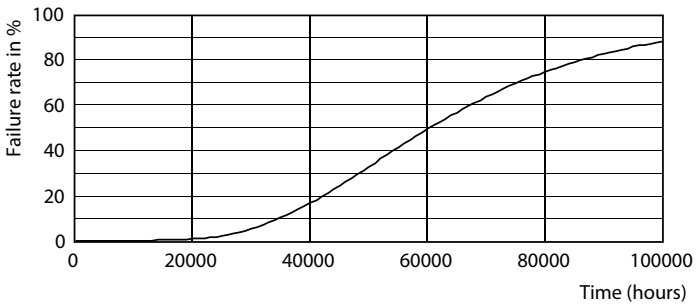
LumenVsTc



Lumen Maintenance Diagram

MASTER Value LEDtube T8

Lifetime



Life Expectancy Diagram

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