



MASTER Value LEDtube T8



MASTER LEDtube VLE 1500mm HO 20.5W 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	200,000X
	Sphere

Light technical	
Colour Code	840 [CCT of 4,000 K]
Beam Angle (Nom)	190 °
Luminous flux (nom.)	3100 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	151 lm/W
Colour consistency	<6
Colour rendering index (nom.)	80
LLMF at end of nominal lifetime (nom.)	70 %

Operating and electrical	
Input frequency	50 to 60 Hz
Power (Rated) (Nom)	20.5 W
Lamp current (max.)	97 mA
Lamp current (min.)	89 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

Lamp 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	TUV
Approval marks	RoHS compliance CE marking KEMA Keur certificate

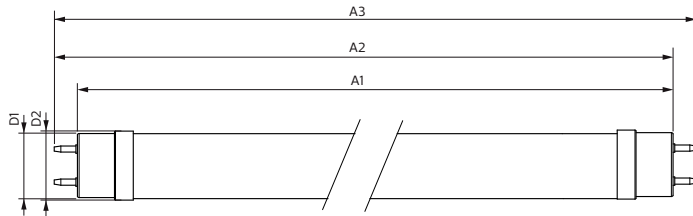
Energy consumption kWh/1,000 hours 21 kWh

1095869

Product data

Full product code	871869964693600
Order product name	MASTER LEDtube VLE 1500mm HO 20.5W 840 T8
EAN/UPC – product	8718699646936
Order code	64693600
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929002021802
Copy Net Weight (Piece)	0.275 kg

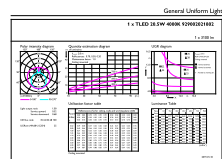
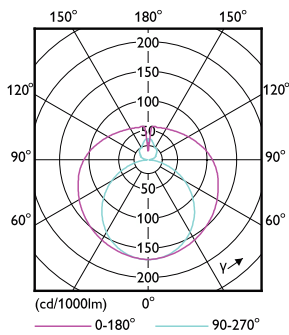
Dimensional drawing



Product	D1	D2	A1	A2	A3
MASTER LEDtube VLE 1500mm HO 20.5W 840 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm

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Photometric data

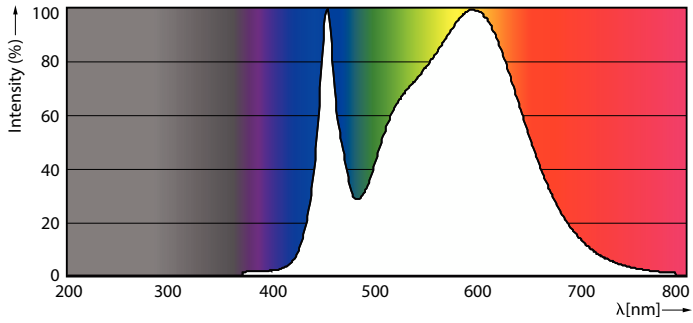


Light Distribution Diagram

General uniform lighting

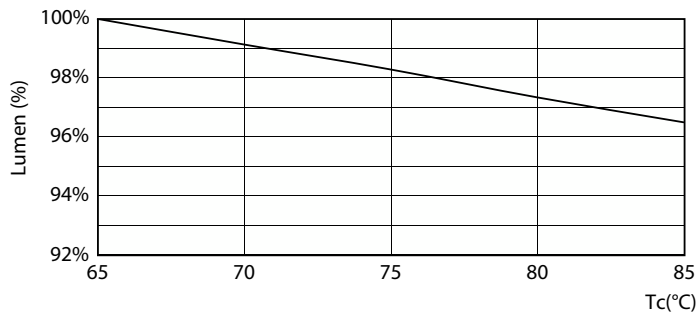
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Photometric data

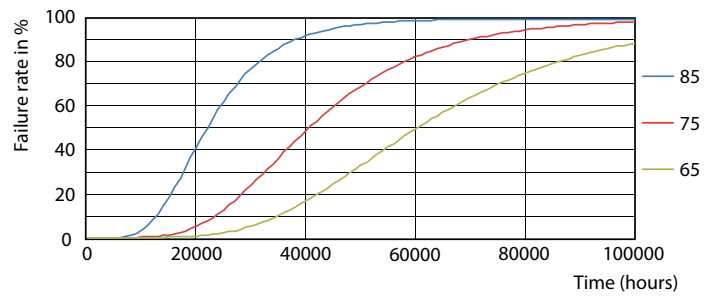


Spectral Power Distribution Colour

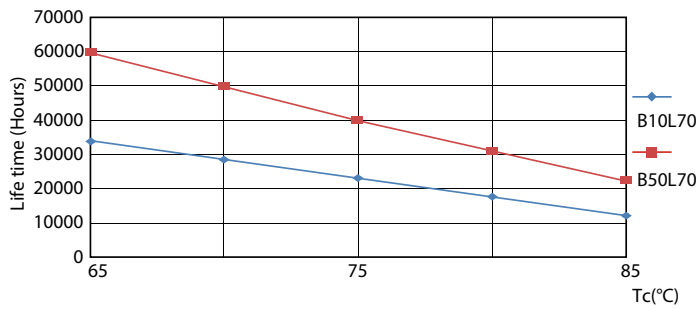
Lifetime



LumenVsTc



FailureRate



LifetimeVsTc



Lumen Maintenance Diagram

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Lifetime



Life Expectancy Diagram

