



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]
CE mark	Yes
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	60000 h
Switching Cycle	200000
Flux measurement reference	Sphere
Tier	MASTER Value
Light technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	190 °
Luminous Flux (Nom)	3100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	151 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)	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

Mechanical and housing

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

Approval and application

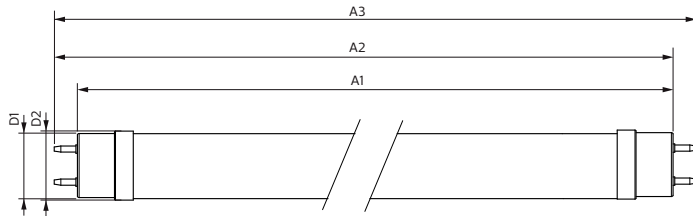
Energy Efficiency Class D
 Energy Saving Product Yes
 Approval Marks RoHS compliance TUV CE marking KEMA Keur certificate
 Energy Consumption kWh/1000 h 21 kWh

EPREL Registration Number 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 929002021802
 Numerator - Quantity Per Pack 1
 Numerator - Packs per outer box 10
 Material Nr. (12NC) 929002021802
 Net Weight (Piece) 0.250 kg

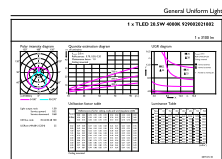
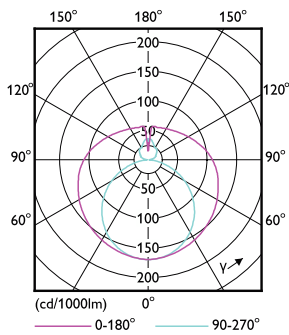
Dimensional drawing



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

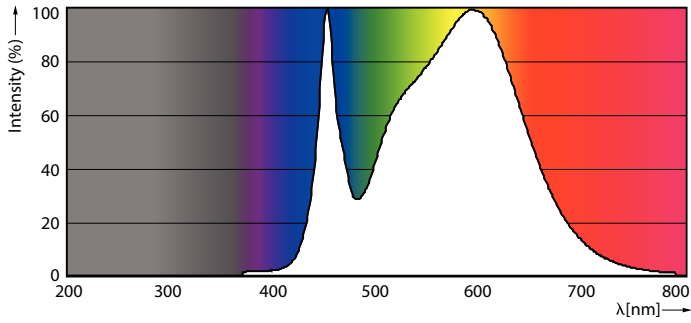


Light Distribution Diagram

General uniform lighting

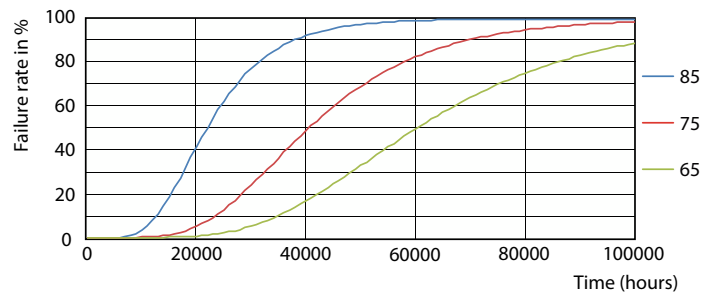
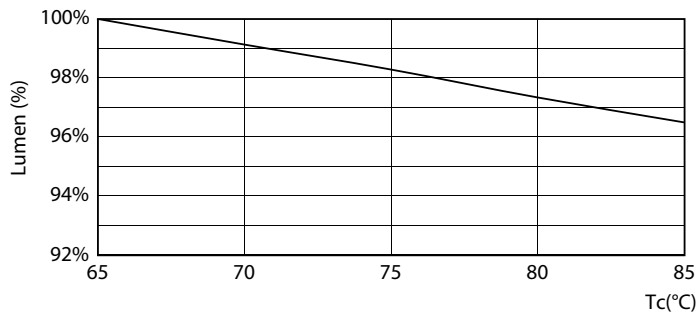
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Photometric data



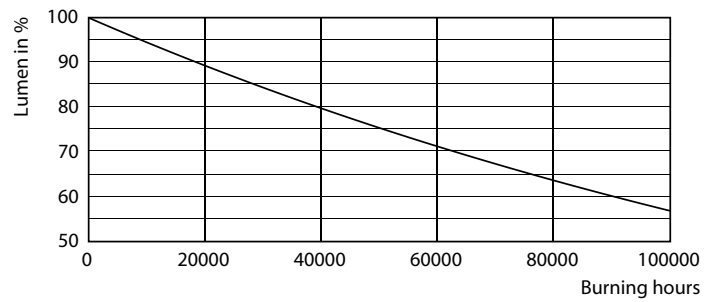
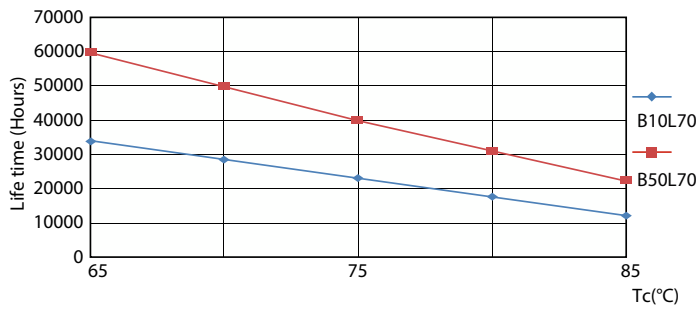
Spectral Power Distribution Colour

Lifetime



LumenVsTc

FailureRate

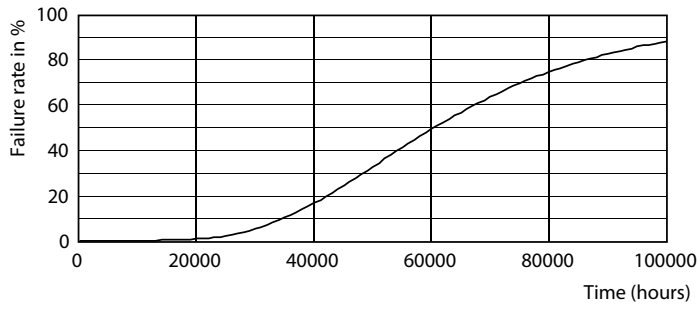


LifetimeVsTc

Lumen Maintenance Diagram

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Lifetime



Life Expectancy Diagram

