

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]
Technical Beam Angle (Nom)	190 °
Lamp Luminous Flux 25°C EL (Nom)	3100 lm
Colour Designation	Cool White (CW)
Colour Temperature, horizontal (Nom)	4000 K
Lamp Luminous Efficacy EM (Nom)	151.00 lm/W
Colour consistency	<6
Colour Rendering Index,horiz (Nom)	80
LLMF at end of nominal lifetime (nom.)	70 %

Operating and Electrical	
Input frequency	50 to 60 Hz
Technical Lamp 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

MASTER Value LEDtube T8

Controls and Dimming

Dimmable No

Mechanical and Housing

Lamp Finish Frosted
Bulb material Glass
Product length 1500 mm
Bulb shape Tube, double-ended

Approval and Application

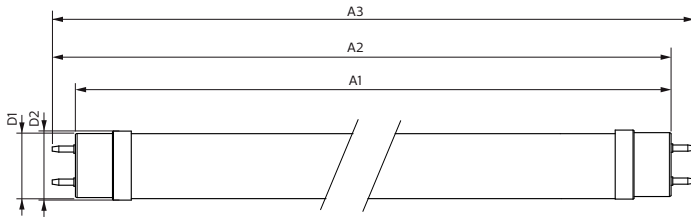
Energy Efficiency Class D
Energy-saving product Yes
Approval marks RoHS compliance TUV CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours 21 kWh

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 929002021802
SAP numerator – quantity per pack 1
Numerator – packs per outer box 10
SAP material 929002021802
SAP net weight (piece) 0.275 kg

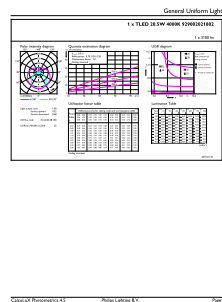
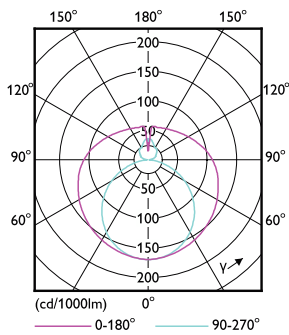
Dimensional drawing



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

MASTER LEDtube VLE 1500mm HO 20.5W 840 T8

Photometric data

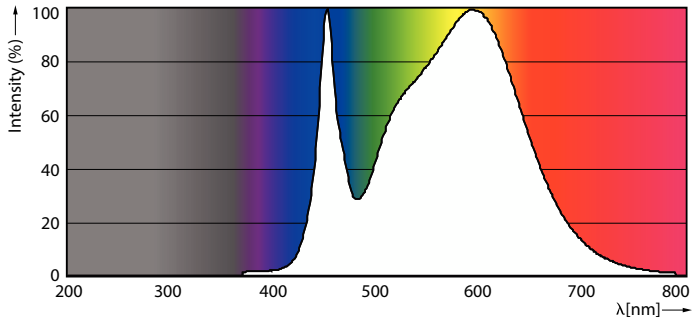


Light Distribution Diagram

General uniform lighting

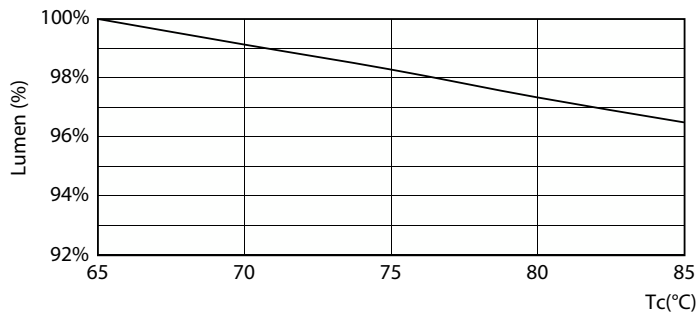
MASTER Value LEDtube T8

Photometric data

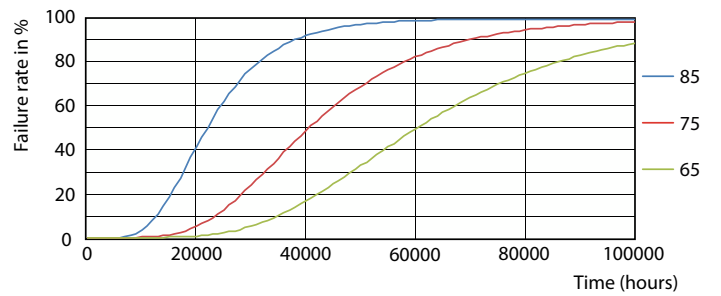


Spectral Power Distribution Colour

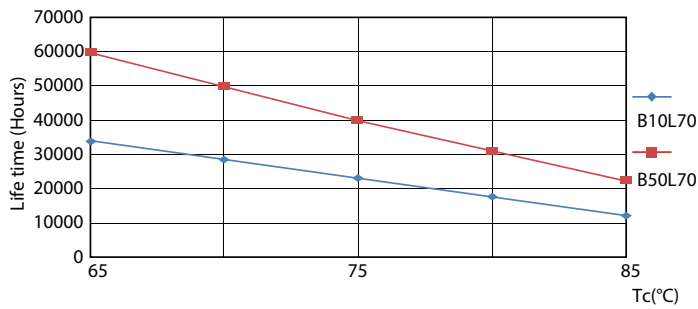
Lifetime



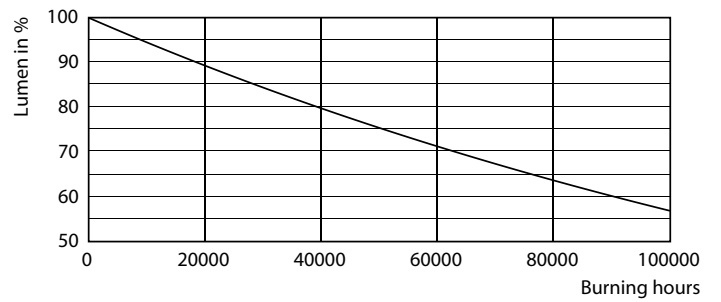
LumenVsTc



FailureRate



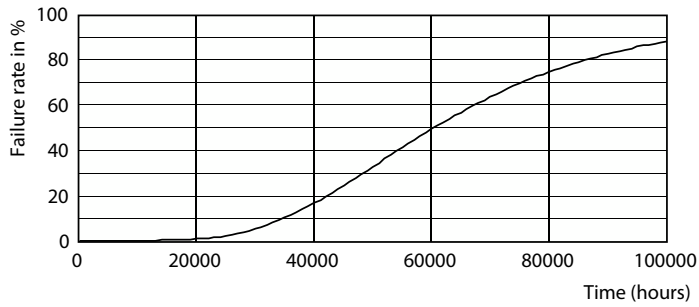
LifetimeVsTc



Lumen Maintenance Diagram

MASTER Value LEDtube T8

Lifetime



Life Expectancy Diagram

