

MASTER Value LED tube EM/Mains T8

MASTER LEDtube VLE 1200mm 13.1W/15.5W 840T8

MASTER Value, LEDtube, T8, EM/Mains, 1200 mm, 13.1 W, 15.5 W, 36W TL-D, 4000 K, 2100 lm, 2500 lm, CRI 80, 75000 hour(s)

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		Operating and Electrical	
Cap-Base	G13	Correlated Color Temperature (Nom)	4000 K
Nominal lifetime	75,000 hour(s)	Luminous Efficacy (rated) (Nom)	161 lm/W
Switching Cycle	200,000	Color Consistency	<6
Lighting Technology	LEDtube	Color rendering index (CRI)	80
Flux measurement reference	Sphere	LLMF At End Of Nominal Lifetime (Nom)	70 %
Warranty period	5 years	Photobiological safety according to EN 62471	RG0
Light Technical		All-in Type	All-in, Multi Lumen
Color Code	840 [CCT of 4000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	190 degree(s)	Power Consumption	13.1 15.5 W
Luminous Flux	2,100 2,500 lm	Lamp Current (Max)	80 mA
Color Designation	Cool White (CW)	Lamp Current (Min)	70 mA

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Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	36W TL-D
Inrush current at mains	5.4/5.6
Max. lamp no. on MCB B type 10A – Mains	135/110
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	125/110
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	20
Max. lamp no. on MCB B type 16A – Mains	220/180
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	200/170
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	30
Ballast Compatibility	EM/Mains

Temperature

T-Case Maximum (Nom)	55 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.190 kg

Approval and Application

Energy Efficiency Class	C
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Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	16 kWh
EPREL Registration Number	2519085
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) – Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +45 °C
Post-consumer recycled plastic material ratio	0 %

Application Conditions

Wireless Technology	Not applicable
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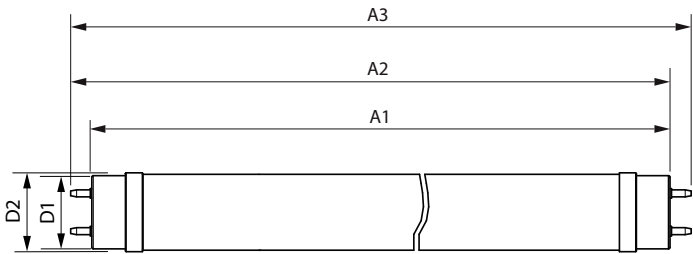
Sustainability Data

Product non-virgin material ratio	0 %
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Product Data

Order product name	MAS LEDtube VLE 1200mm 13.1W/15.5W 840T8
Full product name	MASTER LEDtube VLE 1200mm 13.1W/15.5W 840T8
Full product code	872110313913900
Order code	13913900
Material Nr. (12NC)	929004356502
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8721103139139
Numerator – Packs per outer box	20
EAN/UPC – Case	8721103139146

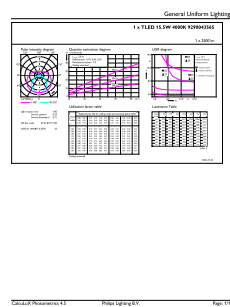
Dimensional drawing



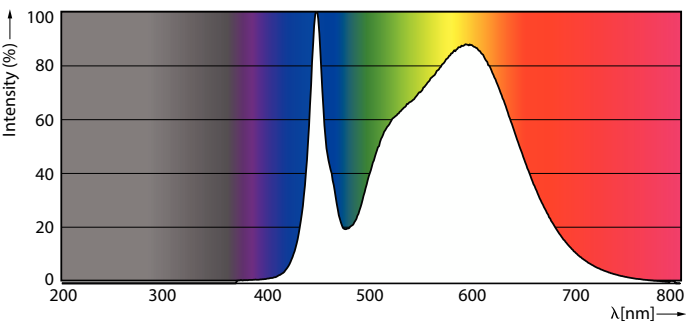
Product	D1	D2	A1	A2	A3
MAS LEDtube VLE 1200mm 13.1W/15.5W 840T8	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

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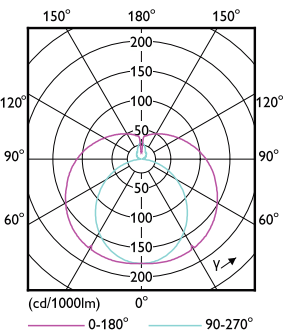
Photometric data



General uniform lighting - MAS LEDtube VLE 1200mm 13.1W/15.5W 840T8

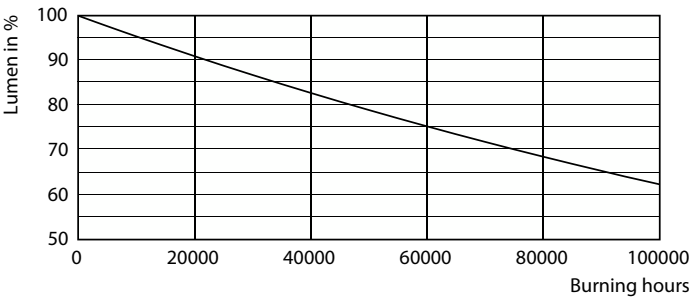


Spectral Power Distribution Colour - MAS LEDtube VLE 1200mm 13.1W/15.5W 840T8

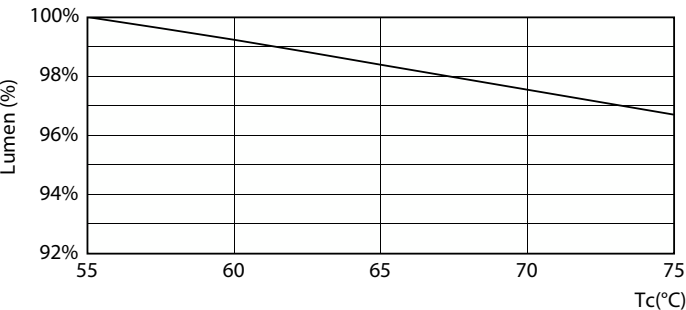


Light Distribution Diagram - MAS LEDtube VLE 1200mm 13.1W/15.5W 840T8

Lifetime



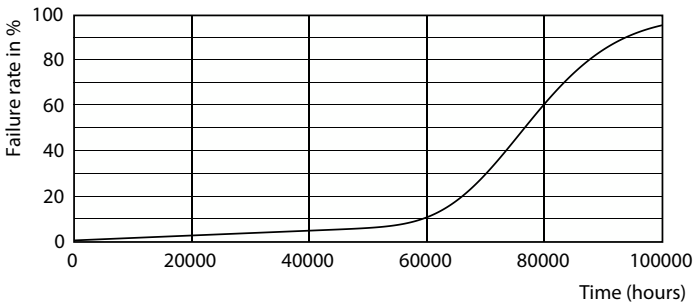
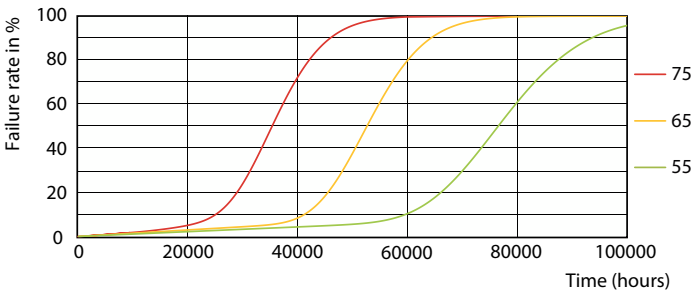
Lumen Maintenance Diagram - MAS LEDtube VLE 1200mm 13.1W/15.5W 840T8



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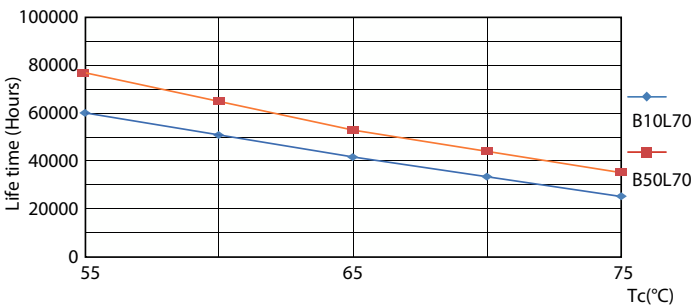
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Lifetime



LEDtube-75K-5575-FailureRate-LED

Life Expectancy Diagram



LifetimeVsTc

