





MASTER Value LED tube EM/Mains T8

MAS LEDtube VLE 1200mm 13.1W/15.5W 865T8

MASTER Value, LEDtube, T8, EM/Mains, 1200 mm, 13.1 W, 15.5 W, 36W TL-D, 6500 K, 2100 lm, 2500 lm, CRI 80, 75000 hour(s)

MASTER Value, LEDtube, T8, EM/Mains, 1200 mm, 13.1 W, 15.5 W, LED alternative to 36W TL-D, 6500 K, 2100 lm, 2500 lm, CRI 80, 75000 hour(s), 161 lm/W, EEL C, G13, Beam angle 190 degree(s), Glass, 0 %, RG0, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

Product data

General Information	
Cap-Base	G13
Nominal lifetime	75,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LEDtube
Flux measurement reference	Sphere
Warranty period	5 years

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	190 degree(s)
Luminous Flux	2,100 2,500 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	161 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Photobiological safety according to EN 62471	RG0
All-in Type	All-in, Multi Lumen

Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	13.1 15.5 W
Lamp Current (Max)	80 mA
Lamp Current (Min)	70 mA
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

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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

Controls and Dimming

Dimmable	No

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
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	16 kWh
EPREL Registration Number	2519084

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

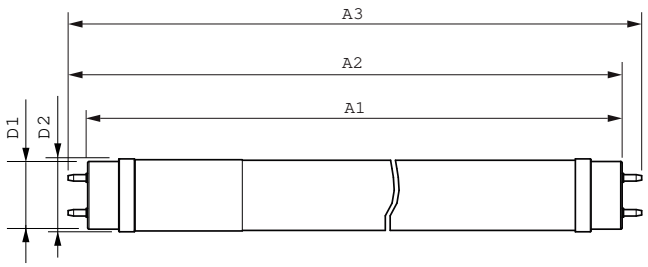
Sustainability Data

Product non-virgin material ratio	0 %

Product Data

Order product name	MAS LEDtube VLE 1200mm 13.1W/15.5W 865T8
Full product name	MAS LEDtube VLE 1200mm 13.1W/15.5W 865T8
Full product code	872110313915300
Order code	929004356602
Material Nr. (12NC)	929004356602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103139153
Numerator - Packs per outer box	20
EAN/UPC - Case	8721103139160

Dimensional drawing

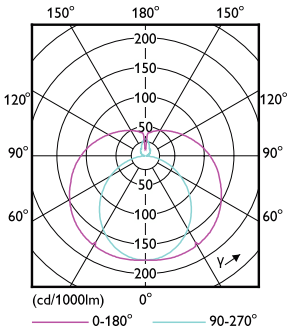


D1	D2	A1	A2	A3
25.7mm	28mm	1199.4mm	1206.5mm	1213.6mm

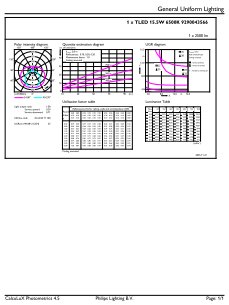
Product	D1	D2	A1	A2	A3
MAS LEDtube VLE 1200mm 13.1W/15.5W 865T8	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

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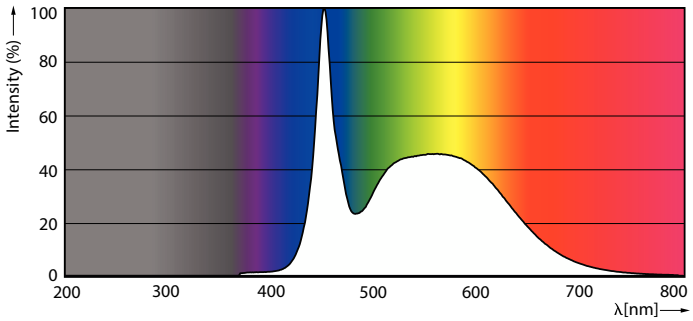
Photometric data



Light Distribution Diagram - MAS LEDtube VLE 1200mm 13.1W/15.5W 865T8

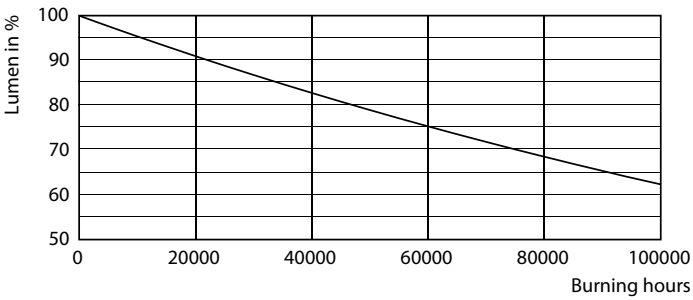


General uniform lighting - MAS LEDtube VLE 1200mm 13.1W/15.5W 865T8

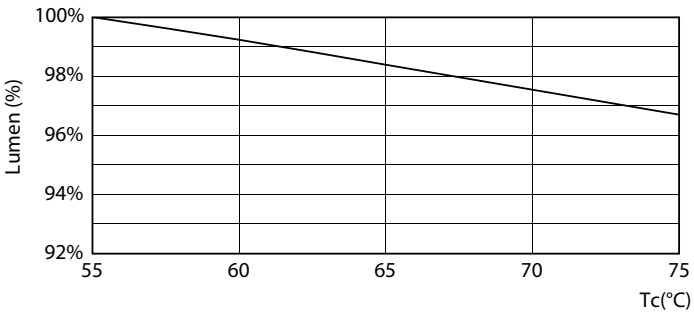


Spectral Power Distribution Colour - MAS LEDtube VLE 1200mm 13.1W/ 15.5W 865T8

Lifetime



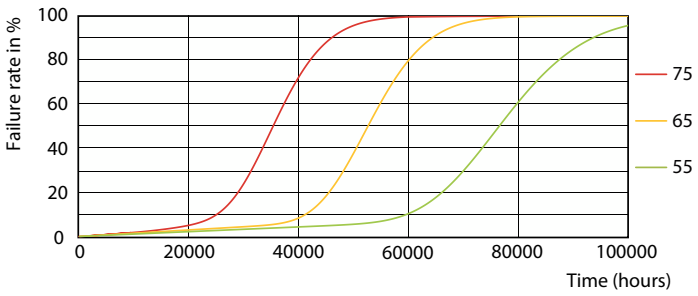
Lumen Maintenance Diagram - MAS LEDtube VLE 1200mm 13.1W/15.5W 865T8



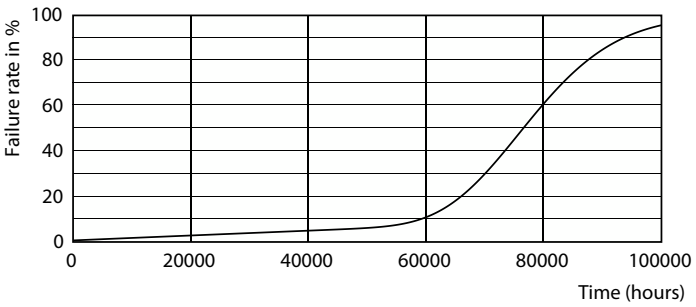
Lumen Maintenance Diagram - MAS LEDtube VLE 1200mm 13.1W/15.5W 865T8

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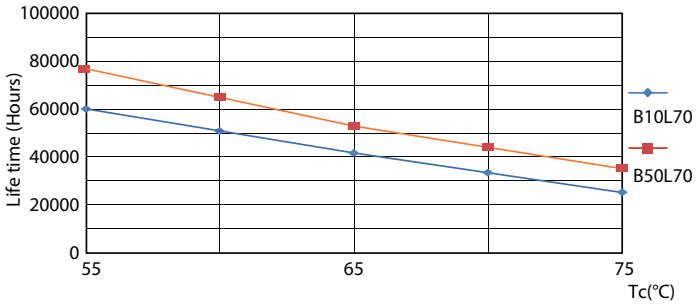
Lifetime



LEDtube-75K-5575-FailureRate-LED



Life Expectancy Diagram



LifetimeVsTc

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