

MASTER Value LED tube EM/Mains T8

MASTER LEDtube VLE 1500mm 19.3W/23W 840 T8

MASTER Value, LEDtube, T8, EM/Mains, 1500 mm, 19.3 W, 23 W, 58W TL-D, 4000 K, 3100 lm, 3700 lm, CRI 80, 75000 hour(s)

MASTER Value, LEDtube, T8, EM/Mains, 1500 mm, 19.3 W, 23 W, LED alternative to 58W TL-D, 4000 K, 3100 lm, 3700 lm, CRI 80, 75000 hour(s), 160 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	840 [CCT of 4000K]
Beam Angle (Nom)	190 degree(s)
Luminous Flux	3,100 3,700 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	160 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	19.3 23 W
Lamp Current (Max)	120 mA
Lamp Current (Min)	100 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	58W TL-D
Inrush current at mains	6.2/6.3

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Max. lamp no. on MCB B type 10A – Mains	80/70
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	80/70
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	15
Max. lamp no. on MCB B type 16A – Mains	130/120
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	130/120
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	25
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	1,500 mm
Bulb Shape	T8
Net Weight (Piece)	0.240 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	23 kWh
EPREL Registration Number	2519083
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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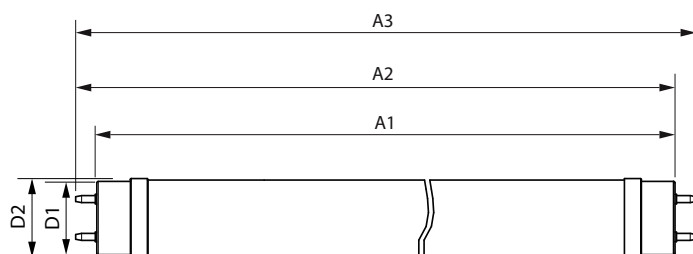
Sustainability Data

Product non-virgin material ratio	0 %
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Product Data

Order product name	MAS LEDtube VLE 1500mm 19.3W/23W 840 T8
Full product name	MASTER LEDtube VLE 1500mm 19.3W/23W 840 T8
Full product code	872110313919100
Order code	13919100
Material Nr. (12NC)	929004356802
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103139191
Numerator - Packs per outer box	20
EAN/UPC - Case	8721103139207

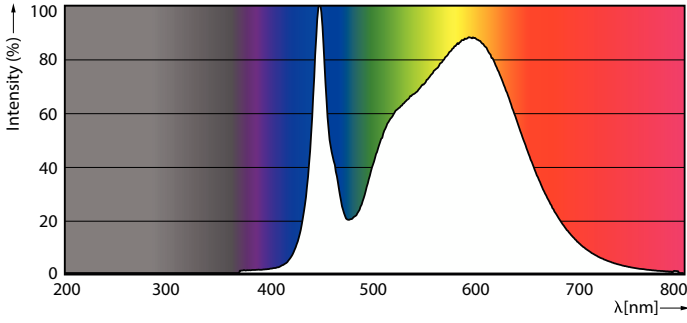
Dimensional drawing



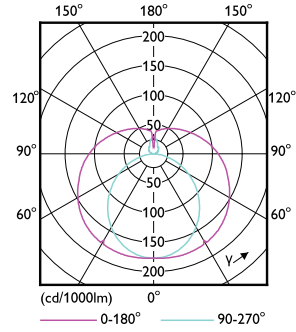
Product	D1	D2	A1	A2	A3
MAS LEDtube VLE 1500mm 19.3W/23W 840 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

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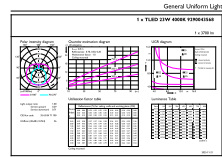
Photometric data



Spectral Power Distribution Colour - MAS LEDtube VLE 1500mm 19.3W/23W 840 T8



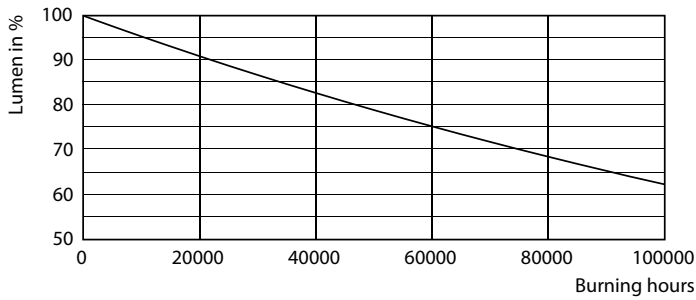
Light Distribution Diagram - MAS LEDtube VLE 1500mm 19.3W/23W 840 T8



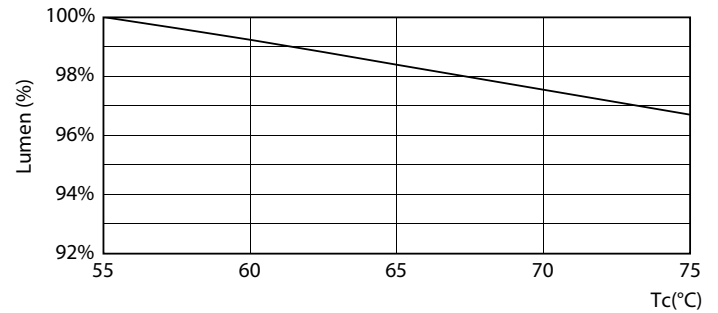
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General uniform lighting - MAS LEDtube VLE 1500mm 19.3W/23W 840 T8

Lifetime



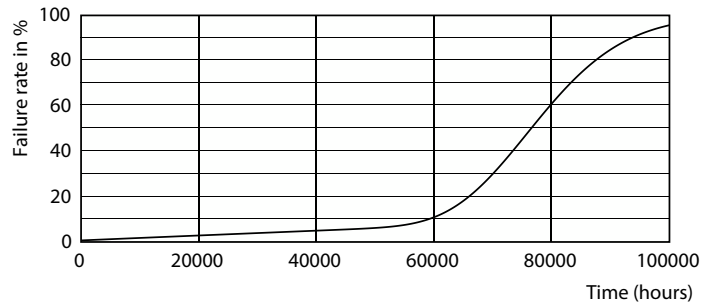
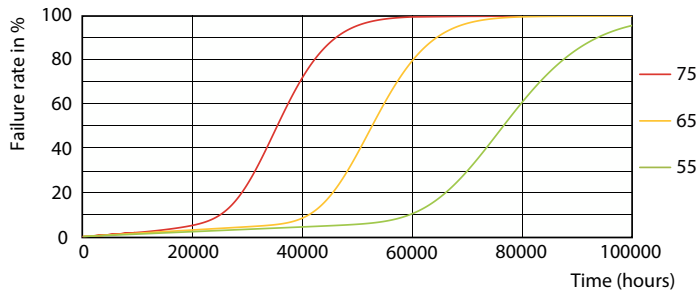
Lumen Maintenance Diagram - MAS LEDtube VLE 1500mm 19.3W/23W 840 T8



Lumen Maintenance Diagram - MAS LEDtube VLE 1500mm 19.3W/23W 840 T8

MASTER Value LED tube EM/Mains T8

Lifetime



LEDtube-75K-5575-FailureRate-LED

Life Expectancy Diagram



LifetimeVsTc

