PHILIPS

Lighting







MASTER Value LED tube EM/Mains T8

MAS 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
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

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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

Controls and Dimming

Dimmable	No

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

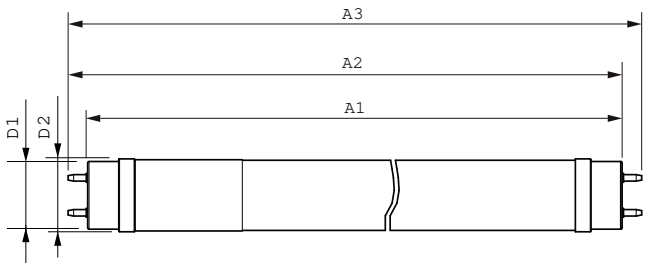
Sustainability Data

Product non-virgin material ratio	0 %

Product Data

Order product name	MAS LEDtube VLE 1500mm 19.3W/23W 840 T8
Full product name	MAS LEDtube VLE 1500mm 19.3W/23W 840 T8
Full product code	872110313919100
Order code	929004356802
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

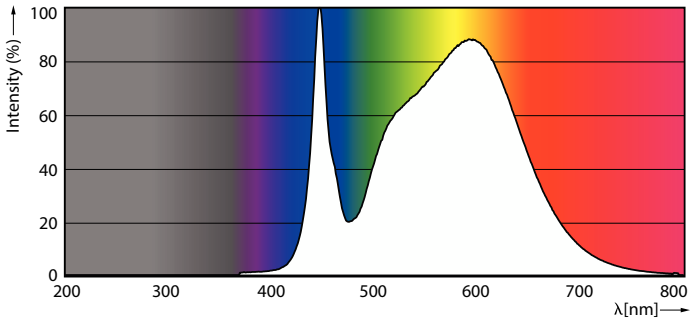


D1	D2	A1	A2	A3
25.7mm	28mm	1500mm	1507.1mm	1514.2mm

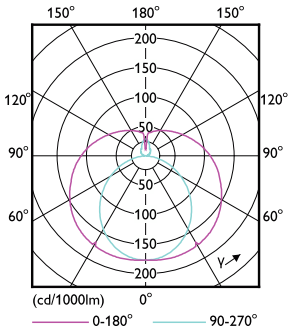
Product	D1	D2	A1	A2	A3
MAS LEDtube VLE 1500mm 19.3W/23W 840 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

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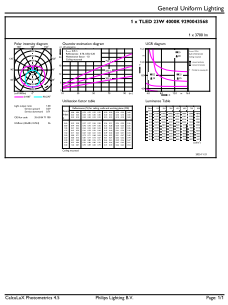
Photometric data



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

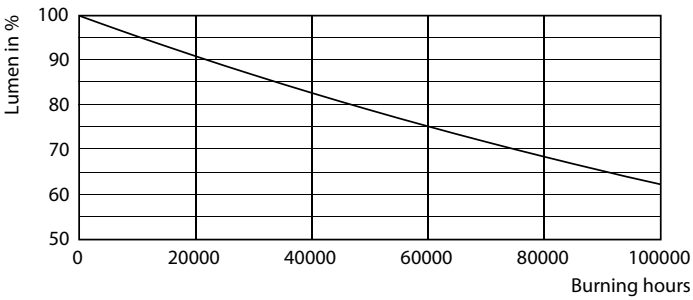


Light Distribution Diagram - MAS LEDtube VLE 1500mm 19.3W/23W 840 T8

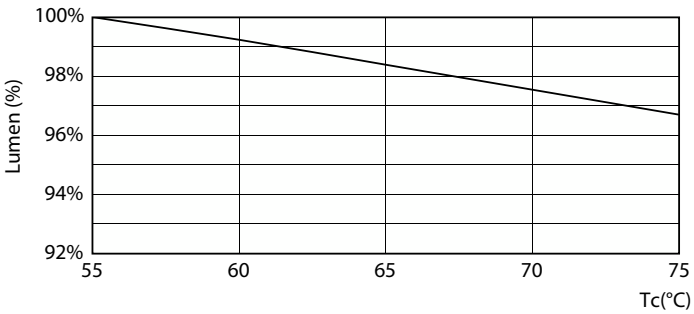


General uniform lighting - MAS LEDtube VLE 1500mm 19.3W/23W 840 T8

Lifetime



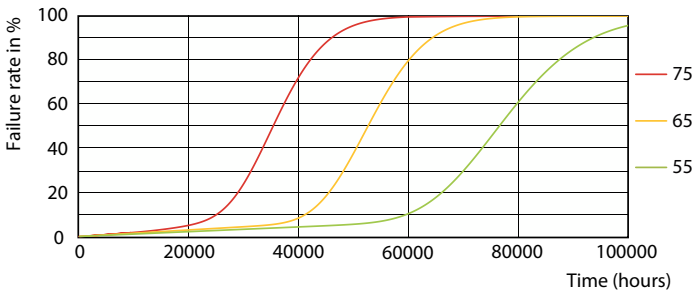
Lumen Maintenance Diagram - MAS LEDtube VLE 1500mm 19.3W/23W 840 T8



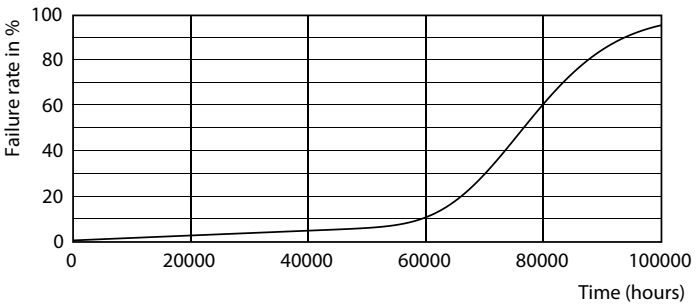
Lumen Maintenance Diagram - MAS LEDtube VLE 1500mm 19.3W/23W 840 T8

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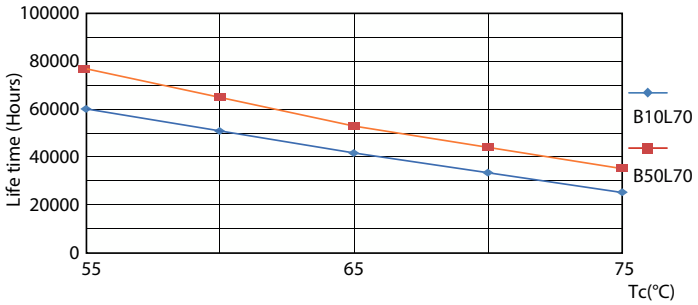
Lifetime



LEDtube-75K-5575-FailureRate-LED



Life Expectancy Diagram



LifetimeVsTc

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