PHILIPS

Lighting

MASTER Value LED tube EM/Mains T8

MAS LEDtube VLE 1500mm HO 20.5W 865 T8

MASTER Value, LEDtube, T8, EM/Mains, 1500 mm, 220-240 V, 20.5 W, 58W TL-D, 6500 K, 3100 lm, CRI 80, 60000 hour(s)

MASTER Value, LEDtube, T8, EM/Mains, 1500 mm, 220-240 V, 20.5 W, LED alternative to 58W TL-D, 6500 K, 3100 lm, CRI 80, 60000 hour(s), 151 lm/W, EEL D, G13, Beam angle 190 degree(s), Glass, 1500 mm, RG0, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

Product data

General Information	
Cap-Base	G13
Nominal lifetime	60,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LEDtube
Flux measurement reference	Sphere

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	190 degree(s)
Luminous Flux	3,100 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	151 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

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	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	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	8.2
Max. lamp no. on MCB B type 10A - Mains	75
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	75

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Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	10
Max. lamp no. on MCB B type 16A - Mains	120
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	120
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	16
Ballast Compatibility	EM/Mains

Temperature

T-Case Maximum (Nom)	65 °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)	0.270 kg

Approval and Application

Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy Consumption kWh/1000 h	21 kWh
EPREL Registration Number	1095870
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 °C to 45 °C

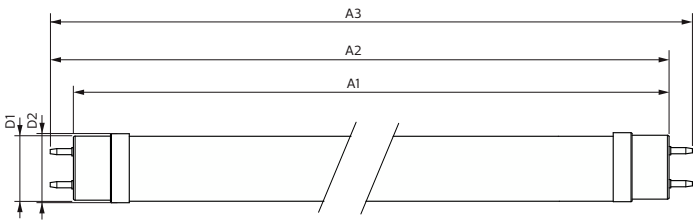
Application Conditions

Wireless Technology	Not applicable

Product Data

Order product name	MAS LEDtube VLE 1500mm HO 20.5W 865 T8
Full product name	MAS LEDtube VLE 1500mm HO 20.5W 865 T8
Full product code	871869964695000
Order code	929002021902
Material Nr. (12NC)	929002021902
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699646950
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699646967

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube VLE 1500mm HO 20.5W 865 T8	25.8 mm	28 mm	1,498.7 mm	1,505.8 mm	1,512.9 mm

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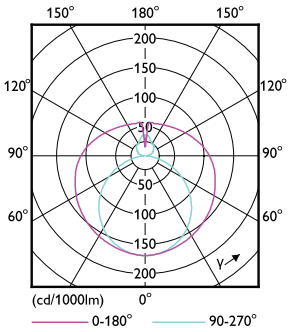
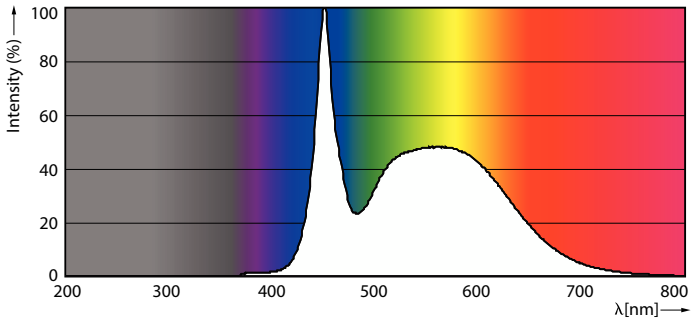
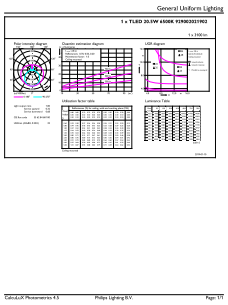
Photometric data



Light Distribution Diagram - MAS LEDtube VLE 1500mm HO 20.5W 865 T8

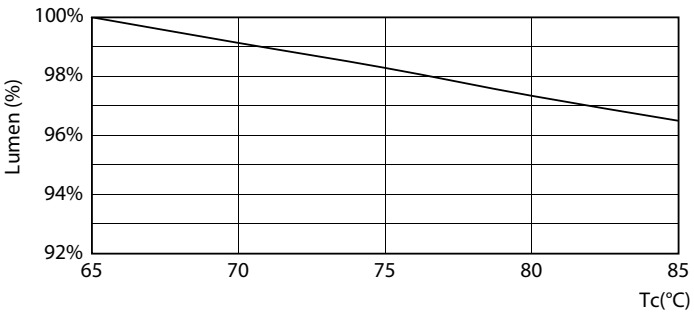


Spectral Power Distribution Colour - MAS LEDtube VLE 1500mm HO 20.5W 865 T8

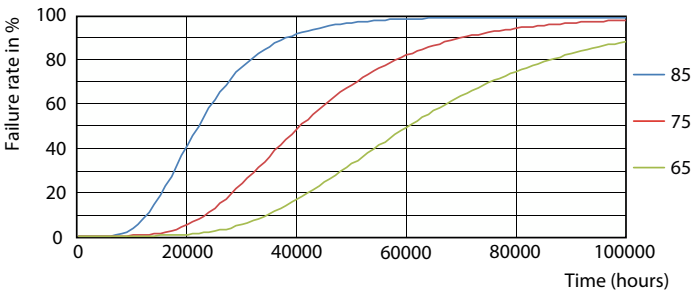


General uniform lighting - MAS LEDtube VLE 1500mm HO 20.5W 865 T8

Lifetime



Lumen Maintenance Diagram - MAS LEDtube VLE 1500mm HO 20.5W 865 T8



FailureRate

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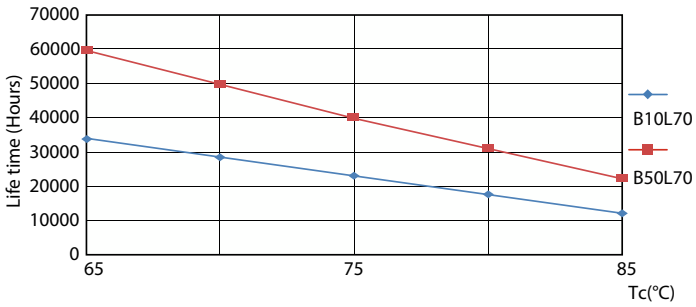
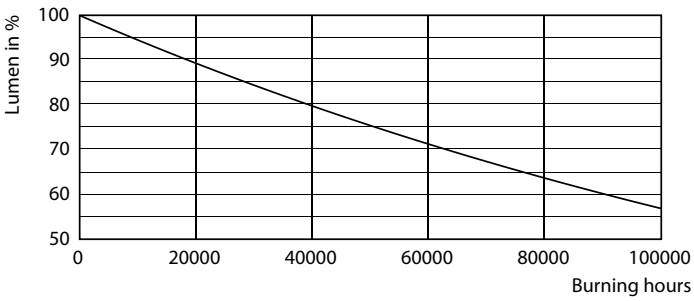
Lifetime



LifetimeVsTc



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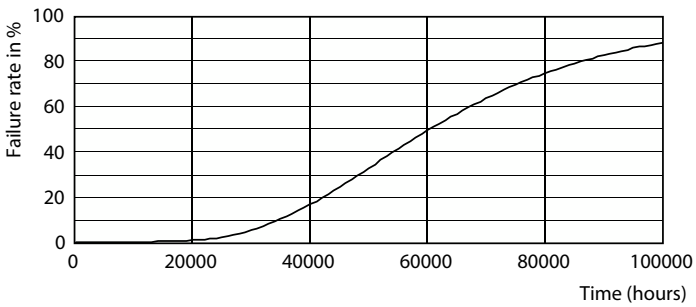

Life Expectancy Diagram

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