



Specialty LED tube

MAS LEDtube Spectrum 1200mm 20W

LEDtube, T8, 1200 mm, 20 W, 2200 K, 2200 lm, 50000 hour(s)

LEDtube, T8, 1200 mm, 20 W, 2200 K, 2200 lm, 50000 hour(s), 110 lm/W, G13, Plastic, 0 %

Product data

General Information		Starting Time (Nom)	
Cap-Base	G13		0.5 s
Nominal lifetime	50,000 hour(s)	Warm-up time to 60% light	0.5 s
Switching Cycle	200,000	Power Factor (Fraction)	0.9
Lighting Technology	LEDtube	Voltage (Nom)	220-240 V
Light Technical		Temperature	
Color Code	2200	T-Case Maximum (Nom)	55 °C
Beam Angle (Nom)	160 degree(s)	Controls and Dimming	
Luminous Flux	2,200 lm	Dimmable	No
Color Designation	2200	Mechanical and Housing	
Correlated Color Temperature (Nom)	2200 K	Bulb Finish	Frosted
Luminous Efficacy (rated) (Nom)	110 lm/W	Bulb Material	Plastic
Color Consistency	<6	Product Length	1,200 mm
Color rendering index (CRI)	50	Bulb Shape	T8
LLMF At End Of Nominal Lifetime (Nom)	70 %	Net Weight (Piece)	0.245 kg
Operating and Electrical		Approval and Application	
Input Frequency	50 to 60 Hz	Energy Saving Product	Yes
Power Consumption	20 W	Approval Marks	RoHS compliance KEMA Keur certificate
Lamp Current (Nom)	96 mA	Energy Consumption kWh/1000 h	20 kWh
Wattage Equivalent	36 W		

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EU RoHS compliant	Yes
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

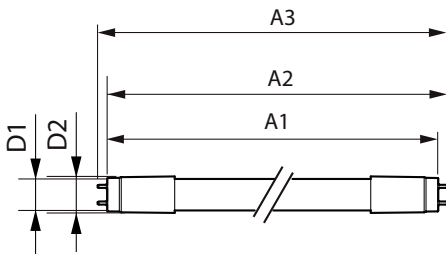
Product non-virgin material ratio	0 %
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Product Data

Order product name	MAS LEDtube Spectrum 1200mm 20W
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Full product name	MAS LEDtube Spectrum 1200mm 20W
Full product code	692234194892300
Order code	929003145310
Material Nr. (12NC)	929003145310
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	6922341948923
Numerator - Packs per outer box	10
EAN/UPC - Case	6922341948930

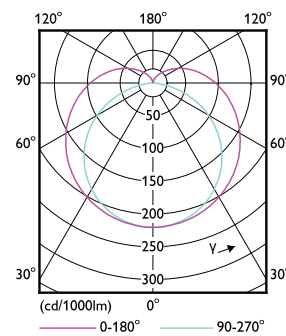
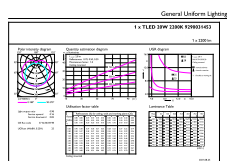
Dimensional drawing



D1	D2	A1	A2	A3
25.8mm	28mm	1198.2mm	1205.3mm	1212.4mm

Product	D1	D2	A1	A2	A3
MAS LEDtube Spectrum 1200mm 20W	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data

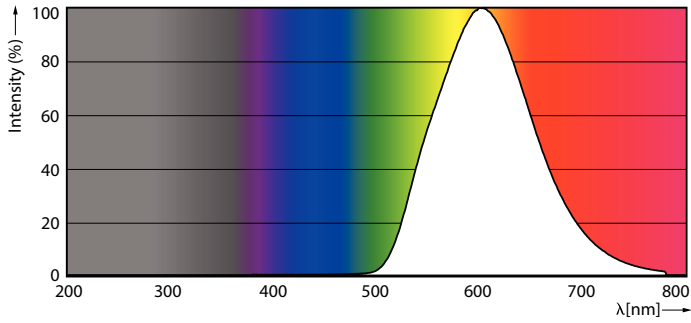


General uniform lighting - MAS LEDtube Spectrum 1200mm 20W

Light Distribution Diagram - MAS LEDtube Spectrum 1200mm 20W

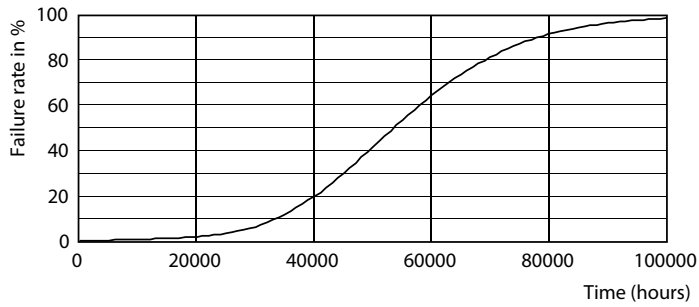
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Photometric data

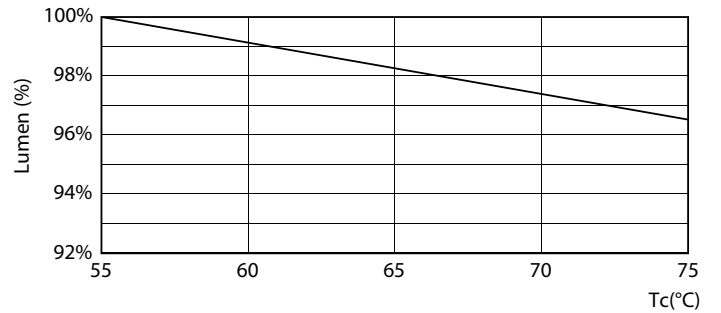


Spectral Power Distribution Colour - MAS LEDtube Spectrum 1200mm 20W

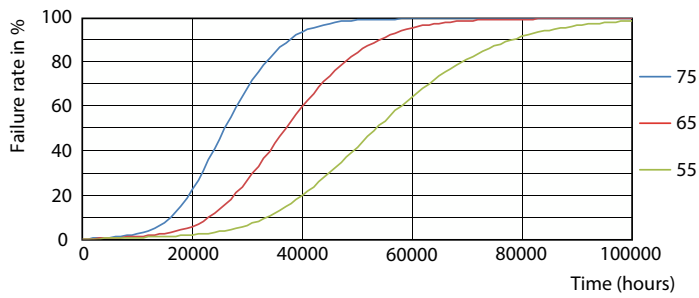
Lifetime



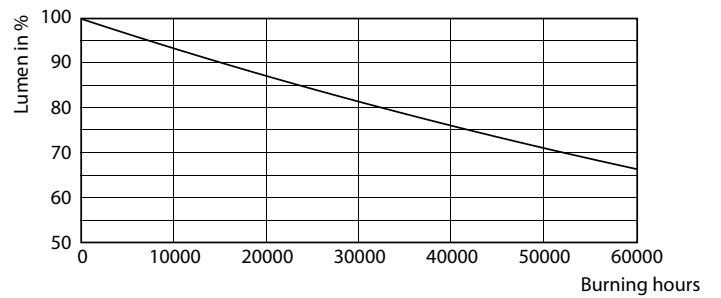
Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDtube Spectrum 1200mm 20W



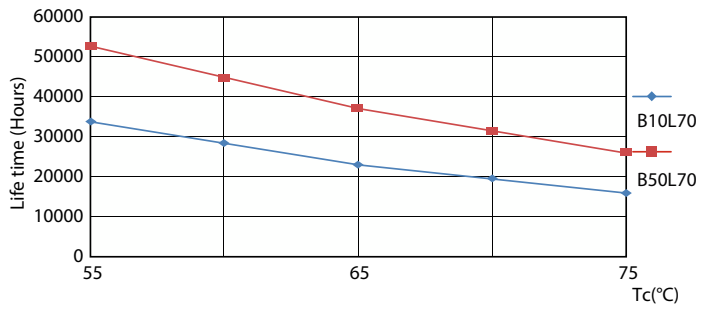
FailureRate



Lumen Maintenance Diagram - MAS LEDtube Spectrum 1200mm 20W

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Lifetime



LifetimeVsTc

