



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

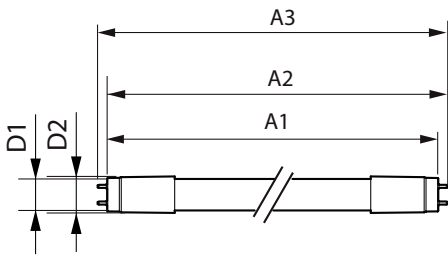
General Information		Starting Time (Nom)		0.5 s
Cap-Base	G13	Warm-up time to 60% light	0.5 s	
Nominal lifetime	50,000 hour(s)	Power Factor (Fraction)	0.9	
Switching Cycle	200,000	Voltage (Nom)	220-240 V	
Lighting Technology	LEDtube	Temperature		
Light Technical		T-Case Maximum (Nom)	55 °C	
Color Code	2200	Controls and Dimming		
Beam Angle (Nom)	160 degree(s)	Dimmable	No	
Luminous Flux	2,200 lm	Mechanical and Housing		
Color Designation	2200	Bulb Finish	Frosted	
Correlated Color Temperature (Nom)	2200 K	Bulb Material	Plastic	
Luminous Efficacy (rated) (Nom)	110 lm/W	Product Length	1,200 mm	
Color Consistency	<6	Bulb Shape	T8	
Color rendering index (CRI)	50	Net Weight (Piece)	0.245 kg	
LLMF At End Of Nominal Lifetime (Nom)	70 %	Approval and Application		
Operating and Electrical		Energy Saving Product	Yes	
Input Frequency	50 to 60 Hz	Approval Marks	RoHS compliance KEMA Keur certificate	
Power Consumption	20 W	Energy Consumption kWh/1000 h	20 kWh	
Lamp Current (Nom)	96 mA			
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
Sustainability Data	
Product non-virgin material ratio	0 %
Product Data	
Order product name	MAS LEDtube Spectrum 1200mm 20W

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

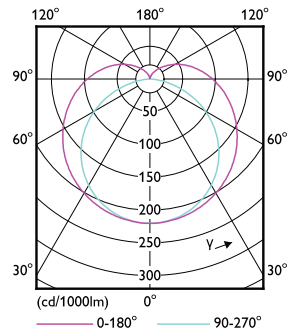
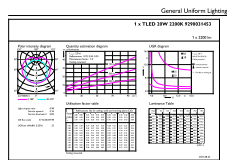
Dimensional drawing



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

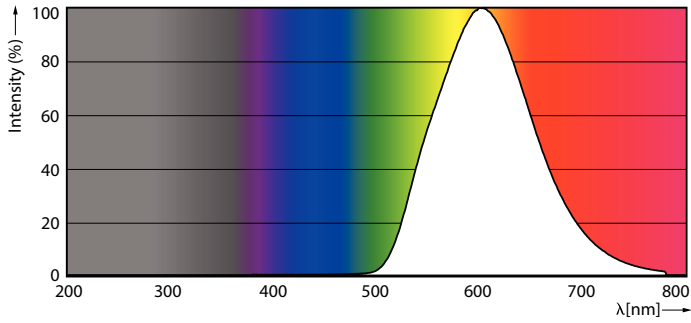


General uniform lighting - MAS LEDtube Spectrum 1200mm 20W

Light Distribution Diagram - MAS LEDtube Spectrum 1200mm 20W

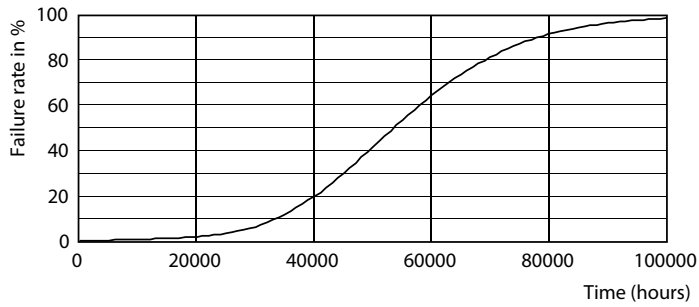
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Photometric data

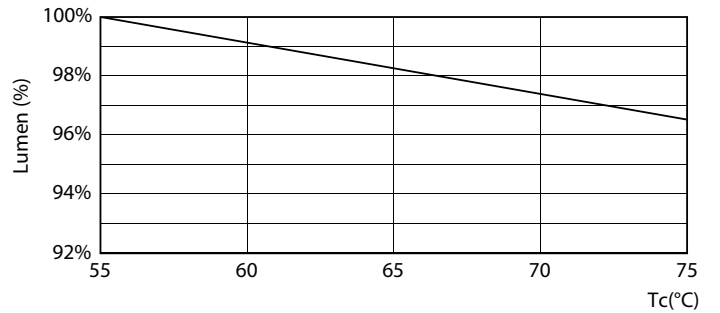


Spectral Power Distribution Colour - MAS LEDtube Spectrum 1200mm 20W

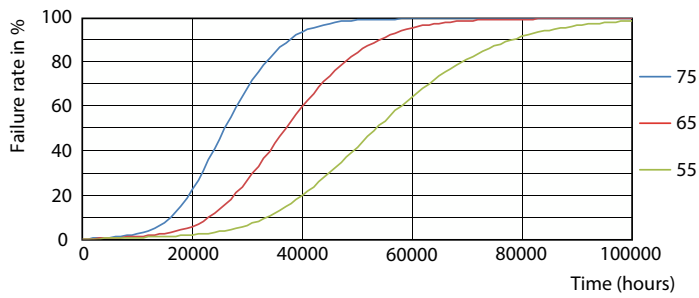
Lifetime



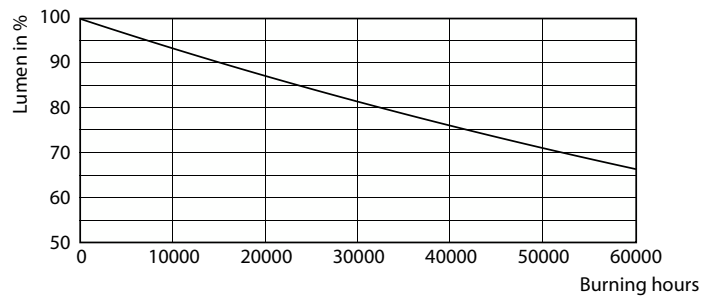
Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDtube Spectrum 1200mm 20W



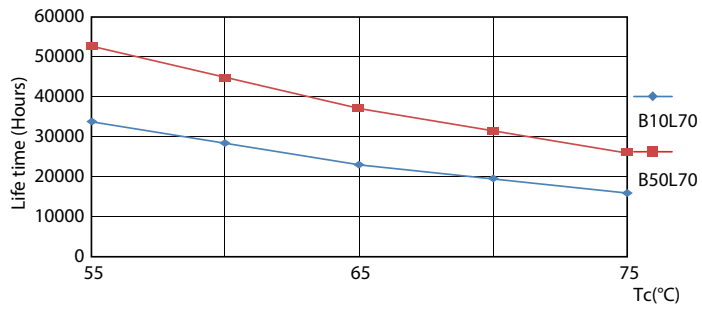
FailureRate



Lumen Maintenance Diagram - MAS LEDtube Spectrum 1200mm 20W

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Lifetime



LifetimeVsTc

