



Specialty LED tube

MAS LEDtube Spectrum 1200mm 1500lm

LEDtube, T8, Single-ended, 1200 mm, 100-277 V, 14 W, 36W TL-D, 2200 K, 1500 lm, 50000 hour(s)

Philips specialty LEDtube integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for relamping to serve multi-purpose usage: it meets general lighting requirements, offers significant energy savings, and special function such as Visible Light Communication.

Product data

General Information	
Cap-Base	G13
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LEDtube
Light Technical	
Color Code	2200
Beam Angle (Nom)	160 degree(s)
Luminous Flux	1,500 lm
Color Designation	2200
Correlated Color Temperature (Nom)	2200 K
Luminous Efficacy (rated) (Nom)	107 lm/W
Color Consistency	<6
Color rendering index (CRI)	-
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz

Power Consumption	14 W
Lamp Current (Max)	150 mA
Lamp Current (Min)	55 mA
Wattage Equivalent	36 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	100-277 V
LED alternative to fluorescent lamp power	36W TL-D
Temperature	
T-Case Maximum (Nom)	55 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	T8

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Net Weight (Piece)	0.245 kg
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Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate
EU RoHS compliant	Yes
Ambient temperature range	-20 to +45 °C

Application Conditions

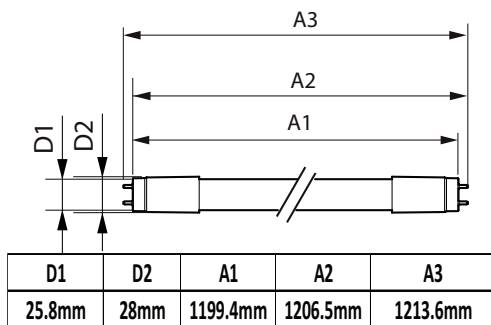
Wireless Technology	Not applicable
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Product Data

Order product name	MAS LEDtube Spectrum 1200mm 1500lm
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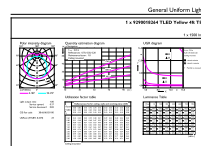
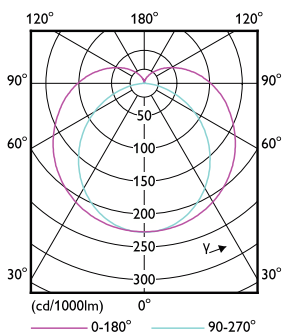
Full product name	MAS LEDtube Spectrum 1200mm 1500lm
Full product code	871869678030500
Order code	929001826408
Material Nr. (12NC)	929001826408
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696780305
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696780312

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube Spectrum 1200mm 1500lm	25.8 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

Photometric data

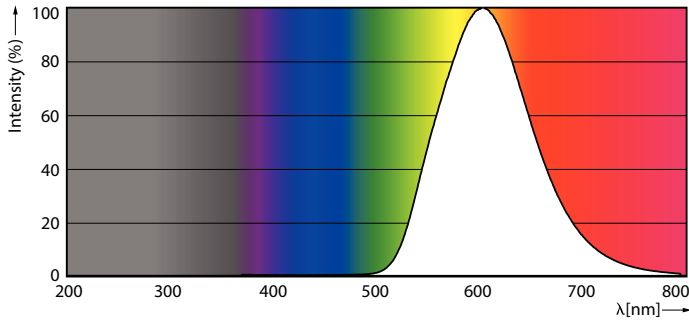


Light Distribution Diagram - MAS LEDtube Spectrum 1200mm 1500lm

General uniform lighting - MAS LEDtube Spectrum 1200mm 1500lm

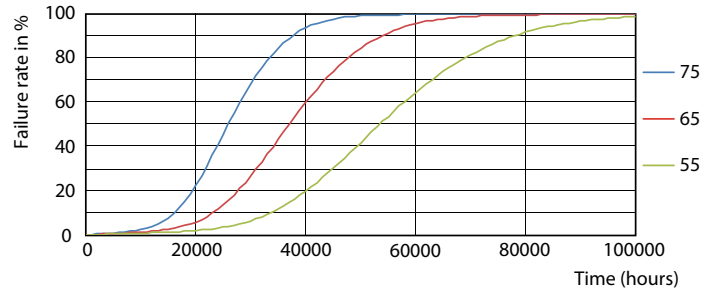
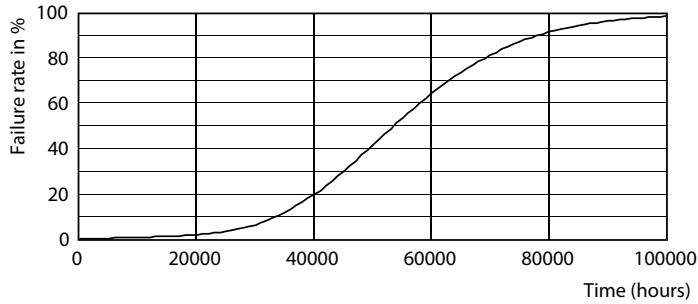
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Photometric data

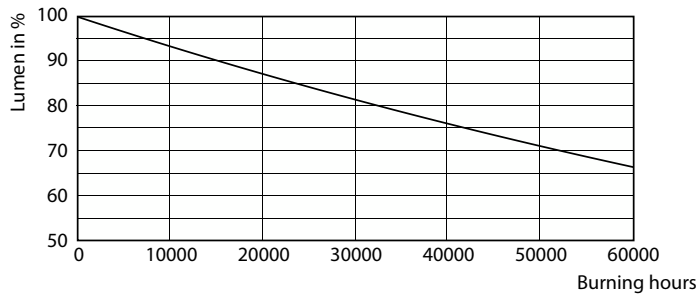


Spectral Power Distribution Colour - MAS LEDtube Spectrum 1200mm
1500lm

Lifetime

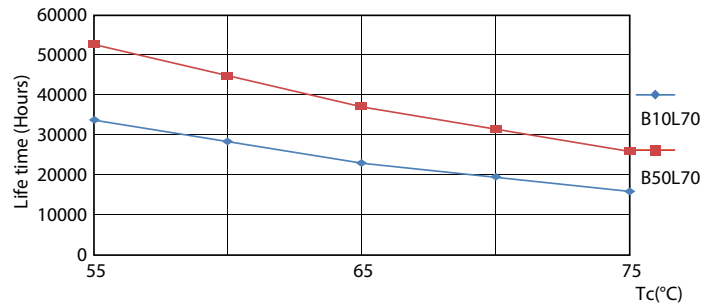


Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDtube Spectrum 1200mm 1500lm

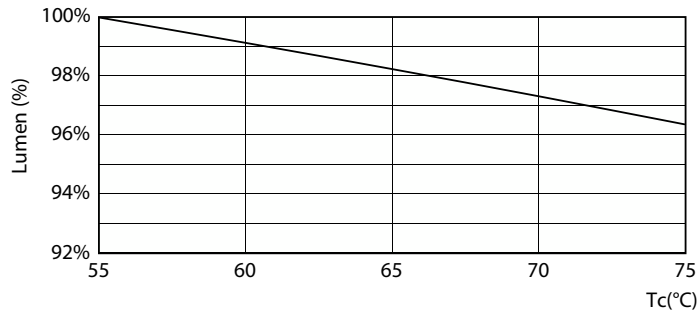
FailureRate



LifetimeVsTc

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Lifetime



Lumen Maintenance Diagram - MAS LEDtube Spectrum 1200mm 1500lm

