PHILIPS

Lighting

MASTER LED tube Mains T5

MAS LEDtube 1200mm HE 16.5W 865 T5

MASTER, LEDtube, T5, Mains, 1200 mm, 100-240 V, 16.5 W, 28W TL5 HE, 6500 K, 2500 lm, CRI 80, 50000 hour(s)

MASTER, LEDtube, T5, Mains, 1200 mm, 100-240 V, 16.5 W, LED alternative to 28W TL5 HE, 6500 K, 2500 lm, CRI 80, 50000 hour(s), 151.00 lm/W, EEL D, G5, Beam angle 200 degree(s), Glass, 1200 mm, SDCM 6, PF 0.9, IP20, SVM 2.1, PstLM 0.18

Product data

General Information	
Cap-Base	G5
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LEDtube

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	200 degree(s)
Luminous Flux	2,500 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	151.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	16.5 W
Lamp Current (Max)	180 mA
Lamp Current (Min)	70 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	100-240 V
LED alternative to fluorescent lamp power	28W TL5 HE
Ballast Compatibility	Mains

Temperature	
T-Case Maximum (Nom)	70 °C

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Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T5
Net Weight (Piece)	0.215 kg

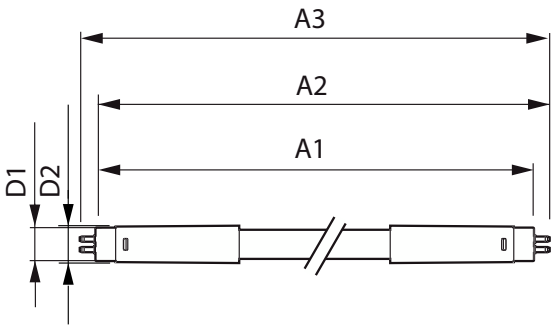
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	17 kWh
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	0.18

Stroboscopic effect visibility measure (SVM)	2.1
Ambient temperature range	-20 °C to 45 °C

Application Conditions	
Wireless Technology	Not applicable

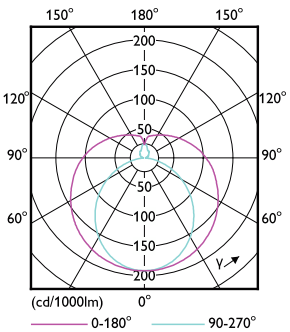
Product Data	
Order product name	MAS LEDtube 1200mm HE 16.5W 865 T5
Full product name	MAS LEDtube 1200mm HE 16.5W 865 T5
Full product code	871869978353200
Order code	929002421108
Material Nr. (12NC)	929002421108
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699783532
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699783549

Dimensional drawing

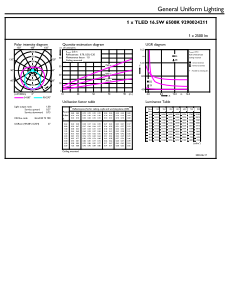


Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HE 16.5W 865 T5	15.8 mm	19 mm	1,149 mm	1,156.1 mm	1,163.2 mm

Photometric data



Light Distribution Diagram - MAS LEDtube 1200mm HE 16.5W 865 T5



General uniform lighting - MAS LEDtube 1200mm HE 16.5W 865 T5

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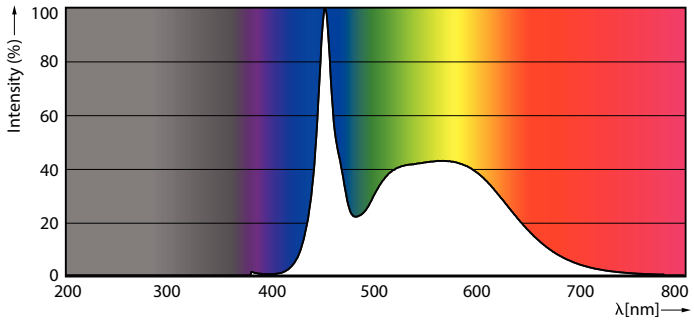
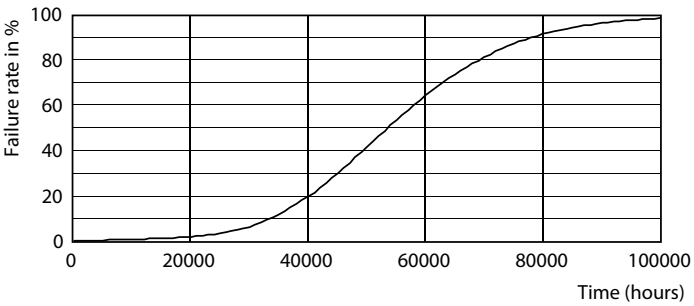
Photometric data

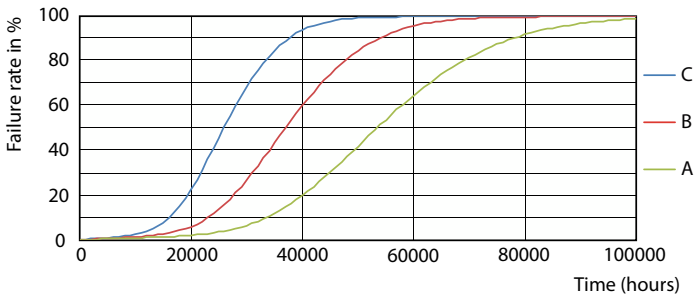


Spectral Power Distribution Colour - MAS LEDtube 1200mm HE 16.5W 865 T5

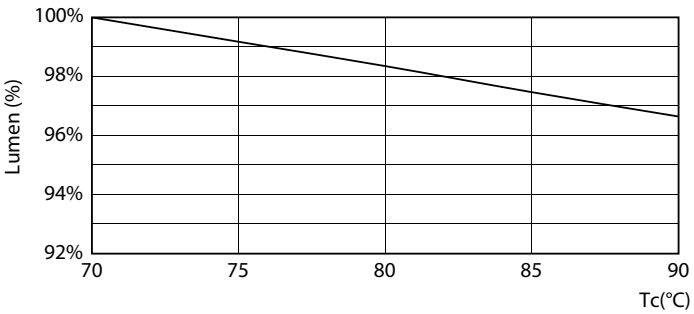
Lifetime



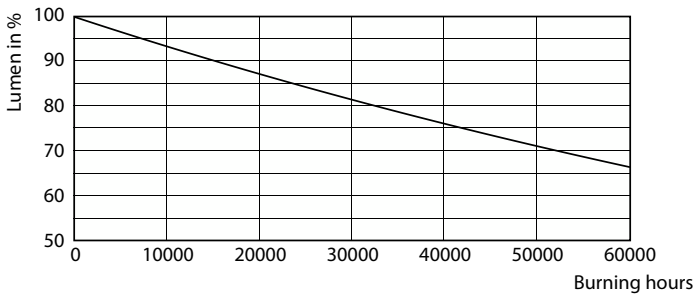
Life Expectancy Diagram



FailureRate



Lumen Maintenance Diagram - MAS LEDtube 1200mm HE 16.5W 865 T5



Lumen Maintenance Diagram - MAS LEDtube 1200mm HE 16.5W 865 T5

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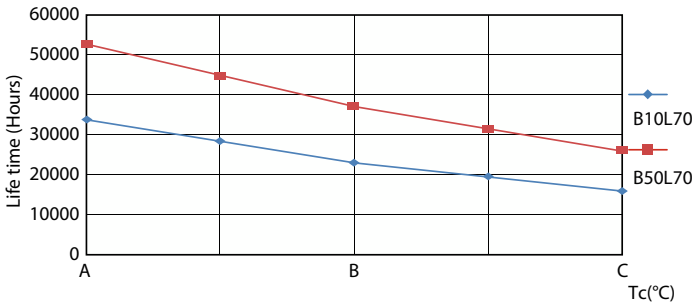
Lifetime



LifetimeVsTc

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