PHILIPS

Lighting



MasterConnect LEDtube EM/Mains T8

MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8

Philips MasterConnect LEDtube EM/Mains T8 means easy upgrade to a connected lighting system. Its 2.4GHz mesh networking technology enables wireless integration with a variety of control devices, such as sensor and switch. The result? Even more energy saving and enhanced flexibility in your space. Through dimming, occupancy sensing and/or daylight harvesting, lamps deliver 50% or more energy saving thanks to MasterConnect technology.

Product data

General Information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Connectivity	Interact Ready
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,500 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	151.52 lm/W
Color Consistency	<6
Color rendering index (CRI)	83

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)	76 mA
Lamp Current (Min)	69 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

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	45 °C

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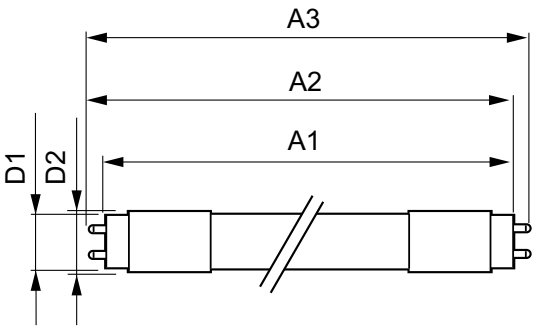
Controls and Dimming	
Dimmable	Wireless Dim

Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	T8

Approval and Application	
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	17 kWh

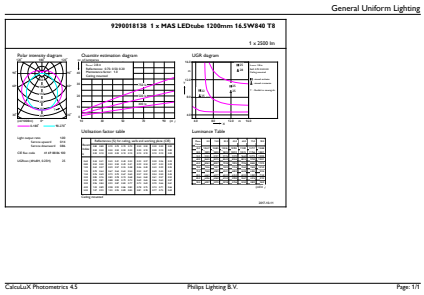
Product Data	
Order product name	MAScon LEDtube IA 1200mm UO 16.5W840 T8
Full product name	MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8
Full product code	871869677344400
Order code	77344400
Material Nr. (12NC)	929001813802
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696773444
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696773451

Dimensional drawing

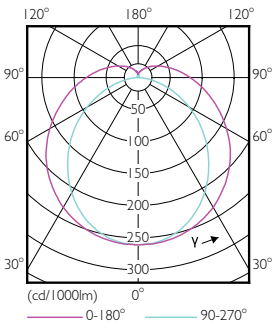


Product	D1	D2	A1	A2	A3
MAScon LEDtube IA 1200mm UO 16.5W840 T8	25.7 mm	28 mm	1,199.4 mm	1,205.3 mm	1,212.4 mm

Photometric data



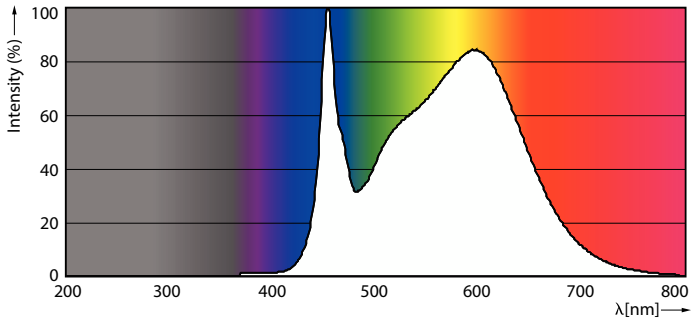
General uniform lighting - MAScon LEDtube IA 1200mm UO 16.5W840 T8



Light Distribution Diagram - MAScon LEDtube IA 1200mm UO 16.5W840 T8

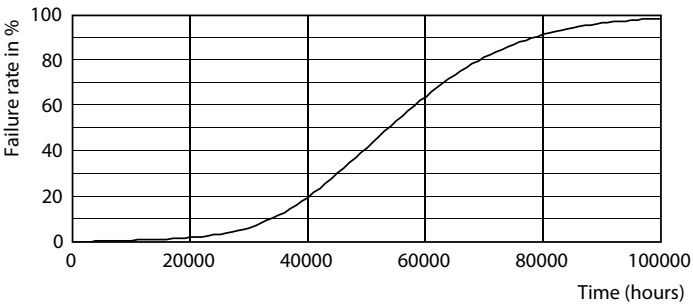
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Photometric data

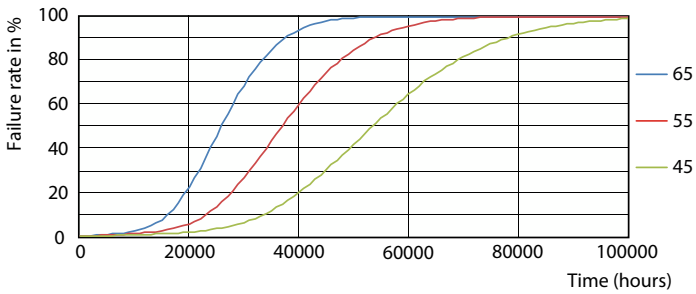


Spectral Power Distribution Colour - MAScon LEDtube IA 1200mm UO 16.5W840 T8

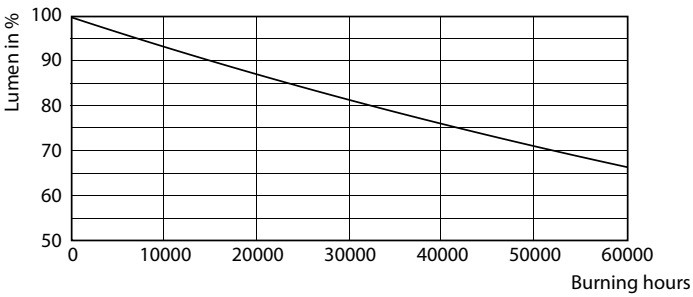
Lifetime



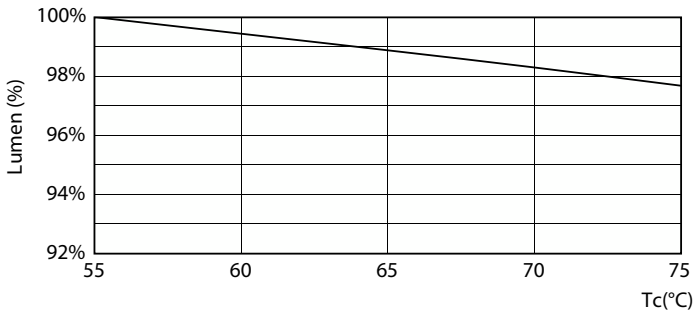
Life Expectancy Diagram - MAScon LEDtube IA 1200mm UO 16.5W840 T8



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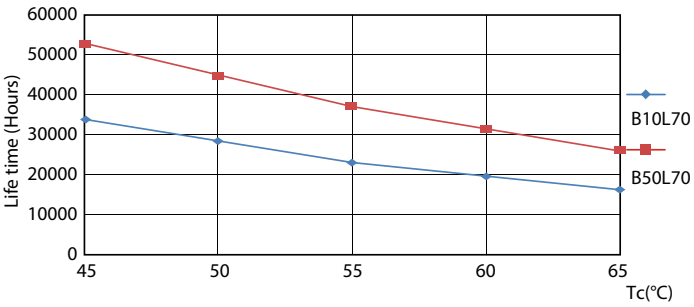
Lumen Maintenance Diagram - MAScon LEDtube IA 1200mm UO 16.5W840 T8



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Lifetime



Life Expectancy Diagram - MAScon LEDtube IA 1200mm UO 16.5W840 T8

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