PHILIPS

PHILIPS Lighting

MASTER LEDtube EM/ Mains T8

MAS LEDtube 1200mm UO 15.5W 840 T8

The Philips MASTER LEDtube integrates a LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance, which cannot be distinguished from traditional fluorescent. These T8 LED tubes are the right choice for absolute performance and are designed to stand up to everyday conditions. Unparalleled savings thanks to low energy consumption and an exceptionally long lifetime ensure this tube masters every demanding application.

Warnings and Safety

• NOTE: The overall energy efficiency and light distribution of any installation that uses these lamps will be determined by the design of the installation.

Product data

General Information		Luminous Efficacy (rated) (Nom)	161.00 lm/W		
Cap-Base	G13 ROT (Rotating) [Medium Bi-Pin	Color Consistency	<6		
	Fluorescent]	Color rendering index (CRI)	83		
Nominal lifetime	60,000 hour(s)	LLMF At End Of Nominal Lifetime (N	LLMF At End Of Nominal Lifetime (Nom) 70 %		
Switching Cycle	200,000				
Lighting Technology	LED	Operating and Electrical	Operating and Electrical		
EU RoHS compliant	Yes	Line Frequency	50 to 60 Hz		
		Input Frequency	50 to 60 Hz		
Light Technical		Power Consumption	15.5 W		
Color Code	840 [CCT of 4000K]	Lamp Current (Max)	73 mA		
Beam Angle (Nom)	160 degree(s)	Lamp Current (Min)	67 mA		
Luminous Flux	2,500 lm	Starting Time (Nom)	0.5 s		
Color Designation	Cool White (CW)	Warm-up time to 60% light	0.5 s		
Correlated Color Temperature (Nom)	4000 K	Power Factor (Fraction)	0.9		

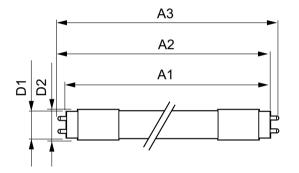
MASTER LEDtube EM/Mains T8

Voltage (Nom)	220-240 V		
Temperature			
Ambient temperature range	-20 °C to 45 °C		
T-Case Maximum (Nom)	55 °C		
Controls and Dimming			
Dimmable	No		
Mechanical and Housing			
Bulb Material	Plastic		
Product Length	1,200 mm		
Bulb Shape	Т8		
Approval and Application			
Energy Saving Product	Yes		

Approval Marks	RoHS compliance TUV CE marking KEMA Keur		
	certificate		
Energy Consumption kWh/1000 h	16 kWh		
Product Data			
Order product name	MAS LEDtube 1200mm UO 15.5W 840 T8		
Full product name	MAS LEDtube 1200mm UO 15.5W 840 T8		
Full product code	871869964723000		
Order code	929002020602		
Material Nr. (12NC)	929002020602		
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	8718699647230		
Numerator - Packs per outer box	10		

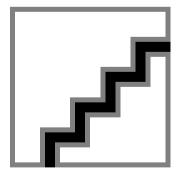
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Dimensional drawing

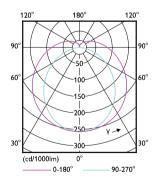


Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm UO 15.5W	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
840 T8					

Photometric data



Accent Lighting Spots - MAS LEDtube 1200mm UO 15.5W 840 T8

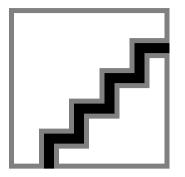


EAN/UPC - Case

Light Distribution Diagram - MAS LEDtube 1200mm UO 15.5W 840 T8

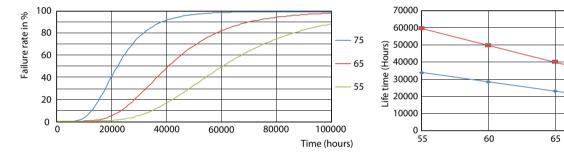
MASTER LEDtube EM/Mains T8

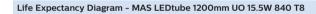
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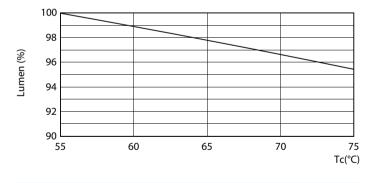


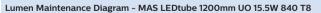
Spectral Power Distribution Colour - MAS LEDtube 1200mm UO 15.5W 840 т8

Lifetime



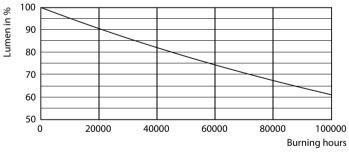






B10L70 -B50L70 ____ 75 Tc(°C) 70





Lumen Maintenance Diagram - MAS LEDtube 1200mm UO 15.5W 840 T8

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Lifetime

Life Expectancy Diagram - MAS LEDtube 1200mm UO 15.5W 840 T8



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