



MASTER LEDtube EM/ Mains T8

Master LEDTube 1200 mm 18W 840 T8 I W

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

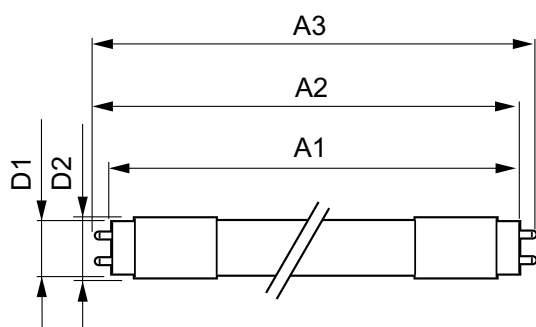
General Information		Color Consistency	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Color rendering index (CRI)	<6
Nominal lifetime	50,000 hour(s)	LLMF At End Of Nominal Lifetime (Nom)	70 %
Switching Cycle	50,000	Operating and Electrical	
Lighting Technology	LED	Line Frequency	50 to 60 Hz
EU RoHS compliant	Yes	Input Frequency	50 to 60 Hz
Light Technical		Power Consumption	18 W
Color Code	840 [CCT of 4000K]	Lamp Current (Max)	210 mA
Beam Angle (Nom)	160 degree(s)	Lamp Current (Min)	74 mA
Luminous Flux	2,100 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)	0.92
Luminous Efficacy (rated) (Nom)	116.00 lm/W		

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Voltage (Nom)	100-240 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	55 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	Tube, double-ended
Approval and Application	
Energy Saving Product	Yes
Suitable For Accent Lighting	No

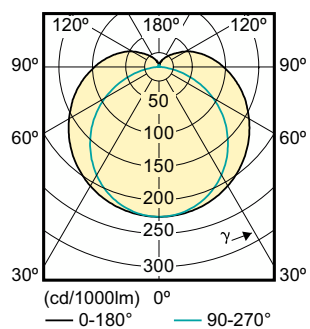
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	18 kWh
Product Data	
Order product name	Master LEDTube 1200 mm 18W 840 T8 I W
Full product name	Master LEDTube 1200 mm 18W 840 T8 I W
Full product code	871869969522400
Order code	929001187782
Material Nr. (12NC)	929001187782
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699695224
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699695231

Dimensional drawing

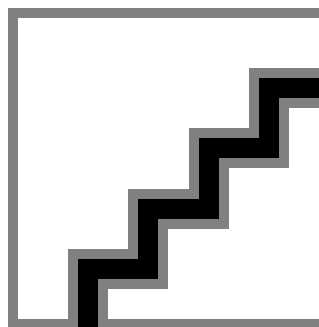


Product	D1	D2	A1	A2	A3
Master LEDTube 1200 mm 18W	25.6 mm	27.8 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm
840 T8 I W					

Photometric data



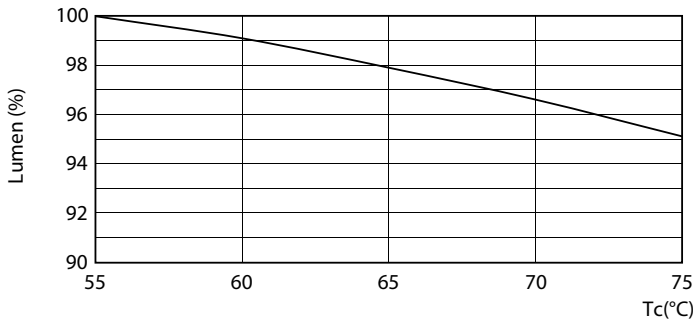
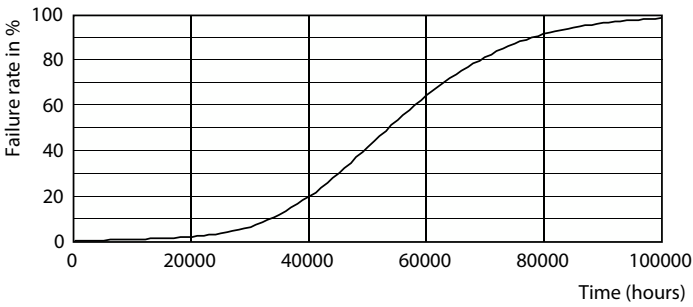
Light Distribution Diagram - Master LEDTube 1200 mm 18W 840 T8 I W



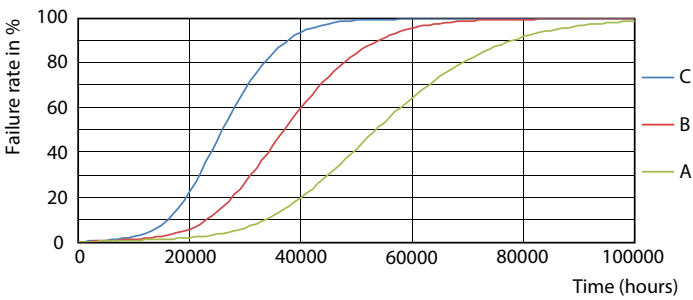
Spectral Power Distribution Colour - Master LEDTube 1200 mm 18W 840 T8
I W

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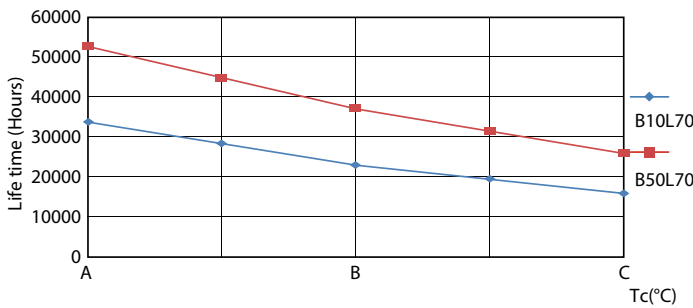
Lifetime



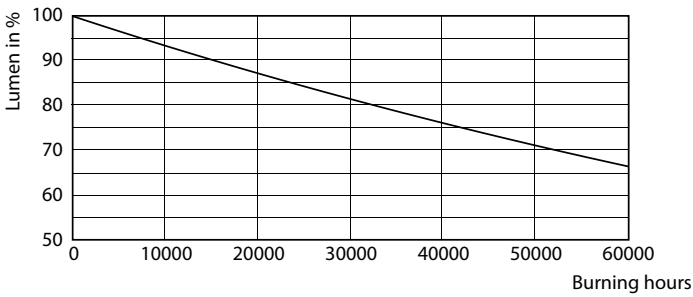
Life Expectancy Diagram - Master LEDTube 1200 mm 18W 840 T8 I W



Lumen Maintenance Diagram - Master LEDTube 1200 mm 18W 840 T8 I W



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