PHILIPS

Lighting

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	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	117.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	82
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	18 W
Lamp Current (Max)	210 mA
Lamp Current (Min)	74 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	Instant full light s
Power Factor (Fraction)	0.92

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Voltage (Nom)	100-240 V

Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	70 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Product Length	1,200 mm
Bulb Shape	Tube, double-ended

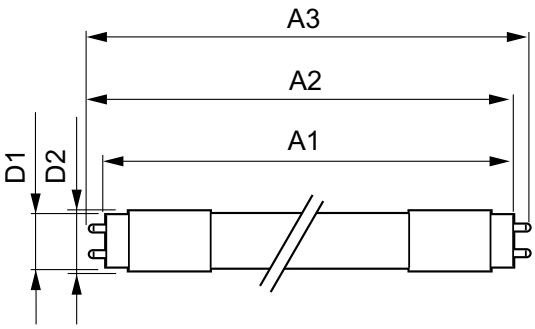
Approval and Application

Energy Saving Product	Yes
Suitable For Accent Lighting	No
Approval Marks	CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	18 kWh

Product Data

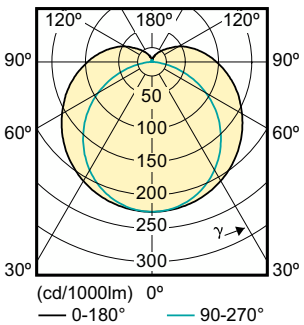
Order product name	Master LEDTube 1200 mm 18W 840 T8 I W
Full product name	Master LEDTube 1200 mm 18W 840 T8 I W
Full product code	871869652404600
Order code	929001187772
Material Nr. (12NC)	929001187772
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696524046
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696524053

Dimensional drawing

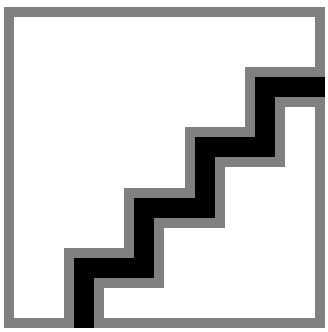


Product	D1	D2	A1	A2	A3
Master LEDTube 1200 mm 18W 840 T8 I W	25.6 mm	27.8 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm

Photometric data

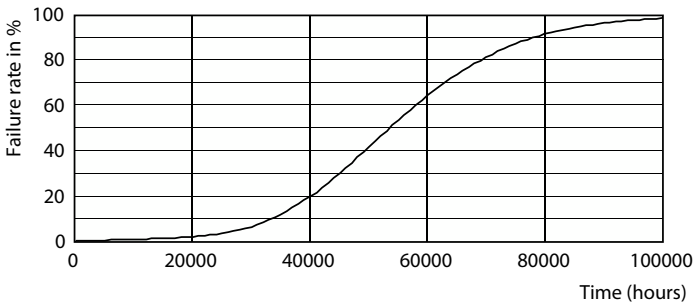


Light Distribution Diagram - Master LEDTube 1200 mm 18W 840 T8 I W

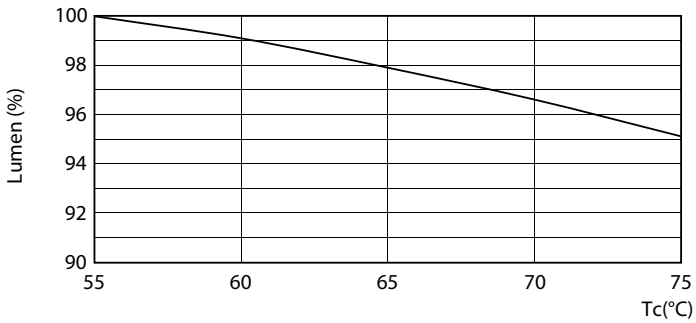


Spectral Power Distribution Colour - Master LEDTube 1200 mm 18W 840 T8 I W

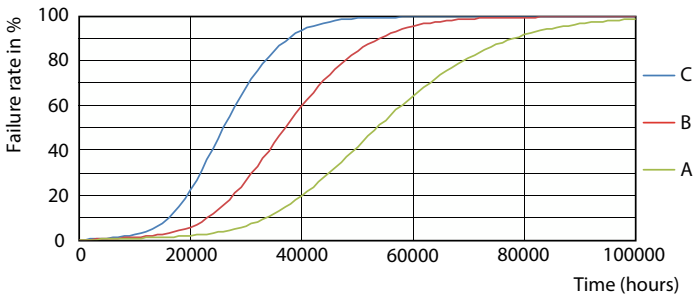
Lifetime



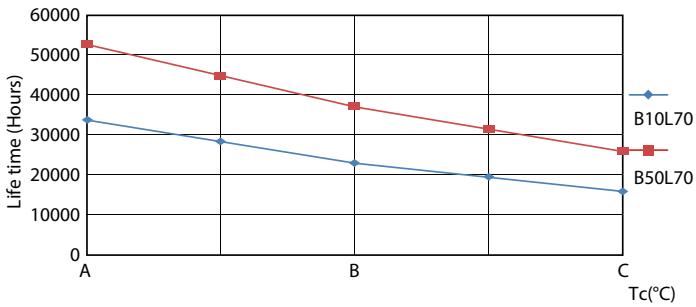
Life Expectancy Diagram - Master LEDTube 1200 mm 18W 840 T8 I W



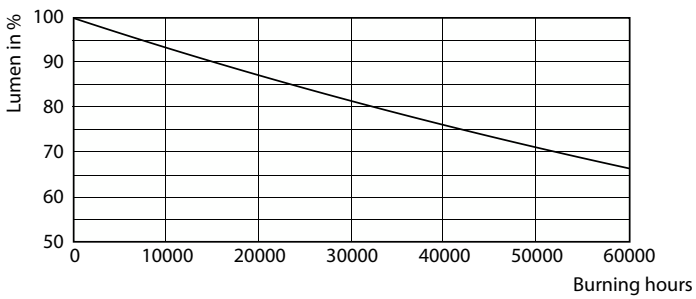
Lumen Maintenance Diagram - Master LEDTube 1200 mm 18W 840 T8 I W



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



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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2023, December 6 - data subject to change