



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.

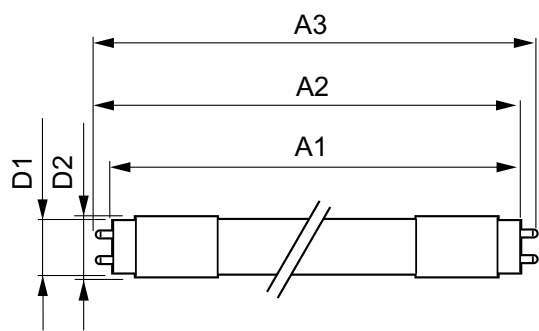
Product data

General Information		Color Consistency	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Color rendering index (CRI)	<6
Nominal lifetime	40,000 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]	Starting Time (Nom)	0.5 s
Beam Angle (Nom)	160 degree(s)	Warm-up time to 60% light	Instant full light s
Luminous Flux	2,100 lm	Power Factor (Fraction)	0.92
Color Designation	Cool White (CW)	Voltage (Nom)	100-240 V
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	116.67 lm/W		

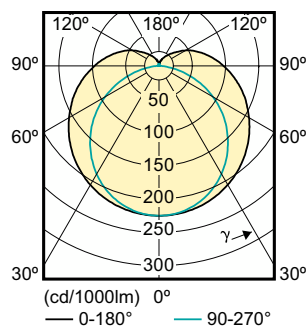
MASTER LEDtube EM/Mains T8

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	T8
Approval and Application	
Energy Saving Product	Yes
Suitable For Accent Lighting	No
Approval Marks	CE marking RoHS compliance KEMA Keur certificate

Dimensional drawing



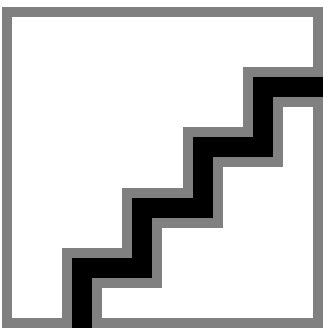
Photometric data



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

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	929001187712
Material Nr. (12NC)	929001187712
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696524046
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696524053

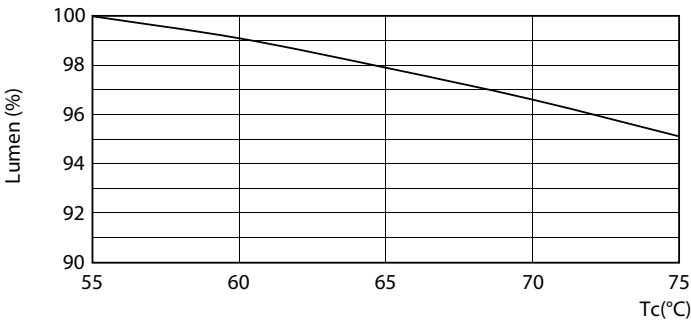
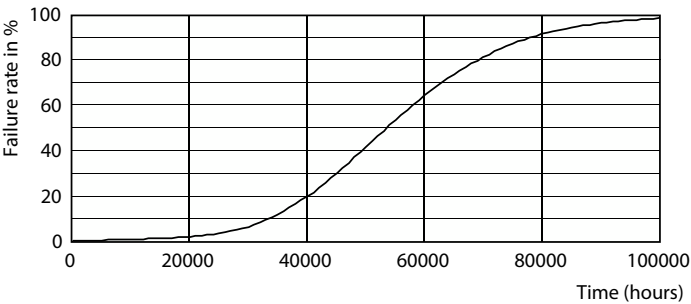
Product	D1	D2	A1	A2	A3
Master LEDTube 1200 mm 18W 840 T8 I W	25.6 mm	27.8 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm



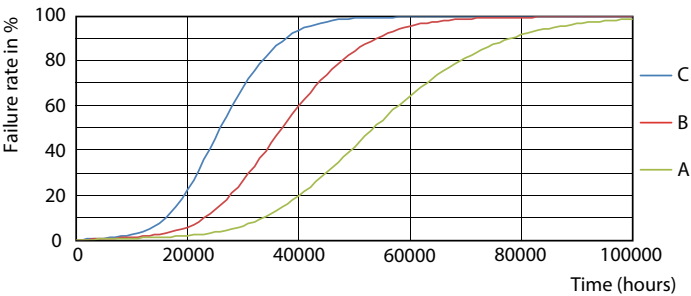
Spectral Power Distribution Colour - Master LEDTube 1200 mm 18W 840 T8 I W

MASTER LEDtube EM/Mains T8

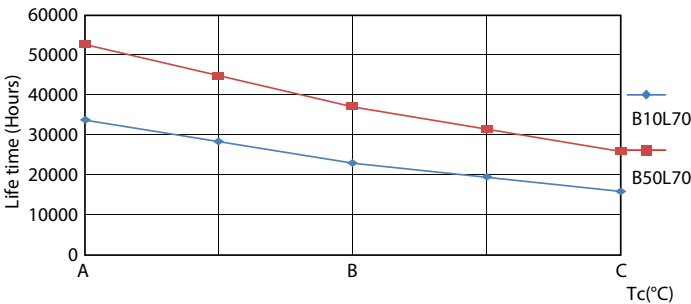
Lifetime



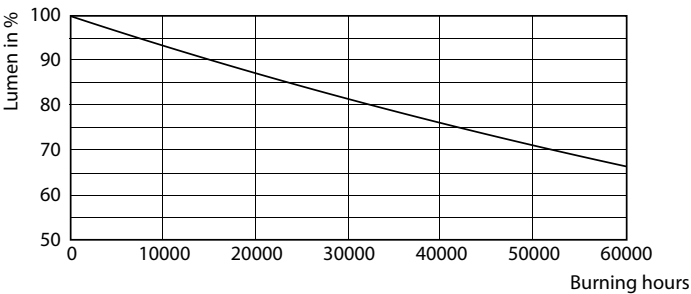
Life Expectancy Diagram - Master LEDTube 1200 mm 18W 840 T8 I W



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

MASTER LEDtube EM/Mains T8

