



MASTER LEDtube EM/ Mains T8

MASTER LEDtube 1200mm HO VWV 18W 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	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	60000 h
Switching Cycle	200000
Technical Type	18-32-36W
Light technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 °
Luminous Flux (Nom)	2100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	116.00 lm/W

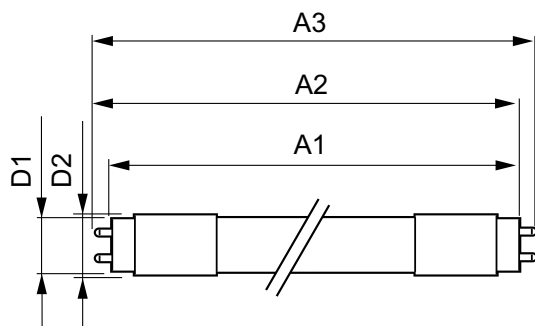
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and electrical	
Input Frequency	50 to 60 Hz
Power (Nom)	18 W
Lamp Current (Max)	183 mA
Lamp Current (Min)	69 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.90
Voltage (Nom)	100-277 V

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Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	60 °C
Controls and dimming	
Dimmable	No
Mechanical and housing	
Product Length	1200 mm
Bulb Shape	Tube, single-ended
Approval and application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking UL certificate KEMA Keur certificate

Energy Consumption kWh/1000 h	18 kWh
Product data	
Full product code	871869681119100
Order product name	MASTER LEDtube 1200mm HO VWV 18W 840 T8
EAN/UPC - Product	8718696811191
Order code	929001877312
Numerator - Quantity Per Pack	1
Local code description	MAS LEDtube 1200mm HO VWV 18W 840 T8
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001877312
Net Weight (Piece)	0.220 kg

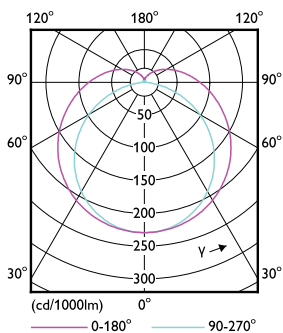
Dimensional drawing



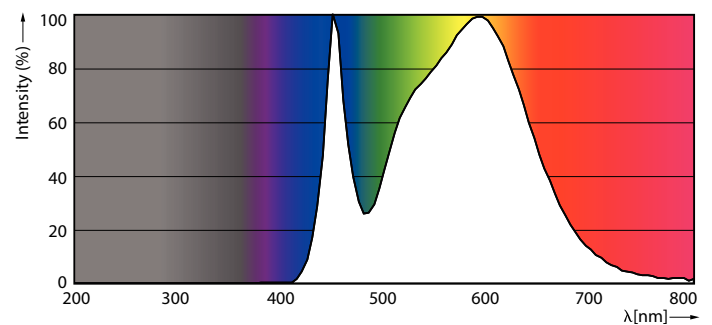
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Product	D1	D2	A1	A2	A3
MASTER LEDtube 1200mm HO VWV 18W 840 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm

Photometric data



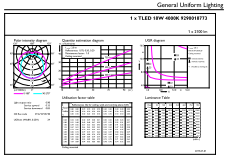
LEDtube_G13_2



LEDtube_18W_G13_2100lm_840

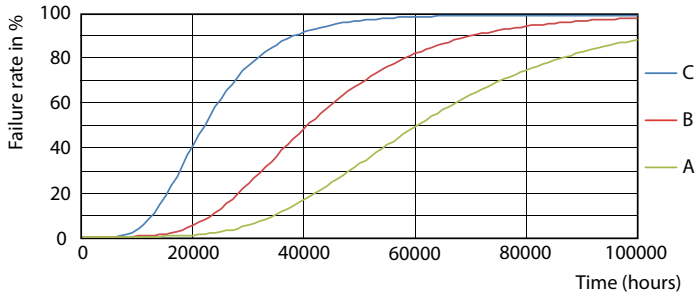
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Photometric data

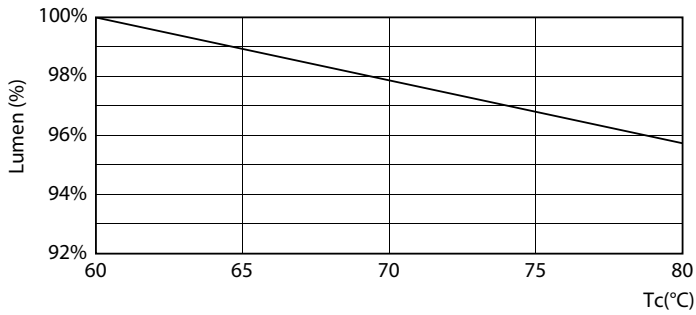


LEDtube_18W_G13_2100lm_840_1

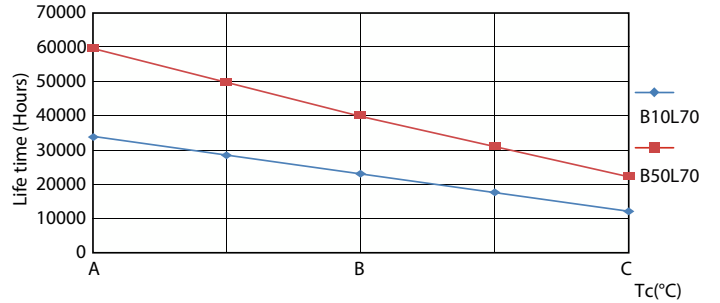
Lifetime



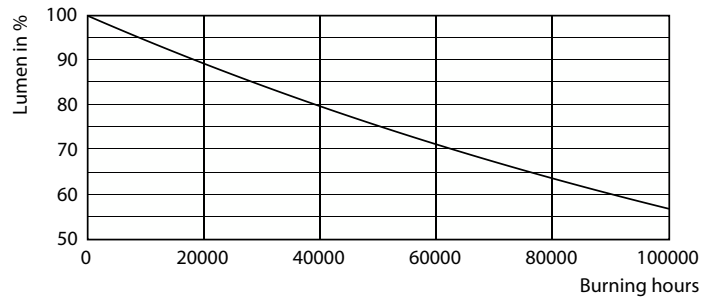
FailureRate



LEDtube_60K_LumenVsTc



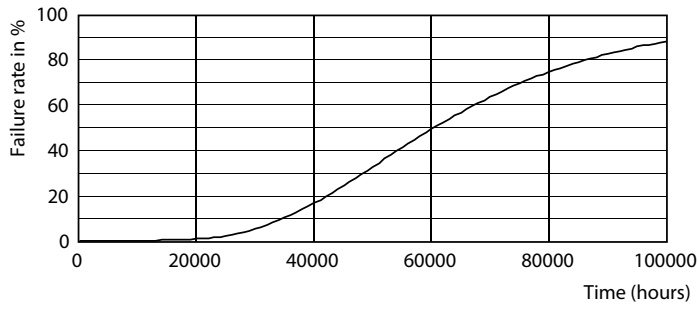
LifetimeVsTc



Lumen Maintenance Diagram

MASTER LEDtube EM/Mains T8

Lifetime



Life Expectancy Diagram

