



MASTER LEDtube EM/ Mains

MASTER LEDtube 1200mm HO VWV 18W 865 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. For those that are looking for value for money within limited budget and re-lamping efforts for better light effect and lifetime.

Warnings and Safety

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Product data

General Information	
Cap base	G13 [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal lifetime (nom.)	60000 h
Switching cycle	200,000X
Technical type	18-32-36W
Light Technical	
Colour Code	865 [CCT of 6,500 K]
Beam Angle (Nom)	160 °
Luminous flux (nom.)	2100 lm
Colour designation	Cool Daylight
Correlated Colour Temperature (Nom)	6500 K
Luminous efficacy (rated) (nom.)	116.00 lm/W
Colour consistency	<6
Colour rendering index (nom.)	80

LLMF at end of nominal lifetime (nom.) 70 %	
Operating and Electrical	
Input frequency	50 to 60 Hz
Power (Rated) (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
Temperature	
T-ambient (max.)	45 °C
T-ambient (min.)	-20 °C
T storage (max.)	65 °C
T storage (min.)	-40 °C

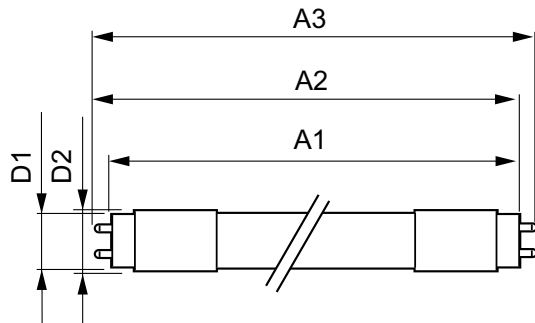
MASTER LEDtube EM/Mains

T-Case maximum (nom.)	60 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product length	1200 mm
Approval and Application	
Energy efficiency label (EEL)	A+
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking UL certificate KEMA Keur certificate
Energy consumption kWh/1,000 hours	18 kWh

Product Data

Full product code	871869681121400
Order product name	MASTER LEDtube 1200mm HO VWV 18W 865 T8
EAN/UPC – product	8718696811214
Order code	81121400
Numerator – quantity per pack	1
SAP numerator – packs per outer box	10
Material no. (12 NC)	929001877412
Net Weight (Piece)	0.220 kg

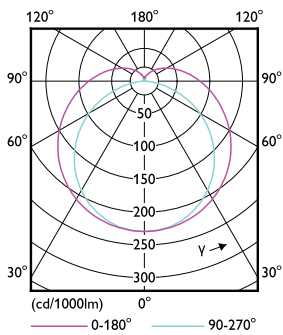
Dimensional drawing



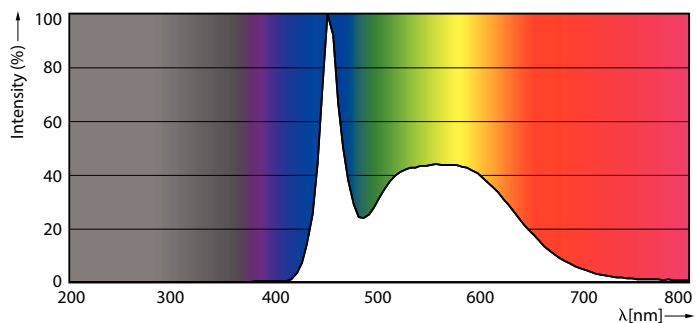
TLED Master 100-277V 2100lm 18W4ft 6500K

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1200mm HO VWV 18W 865 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm

Photometric data



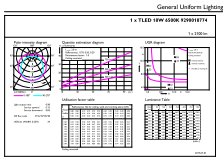
LEDtube_G13_2



LEDtube_18W_G13_2100lm_865

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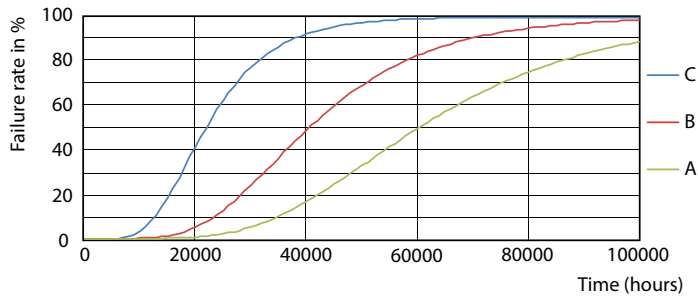
Photometric data



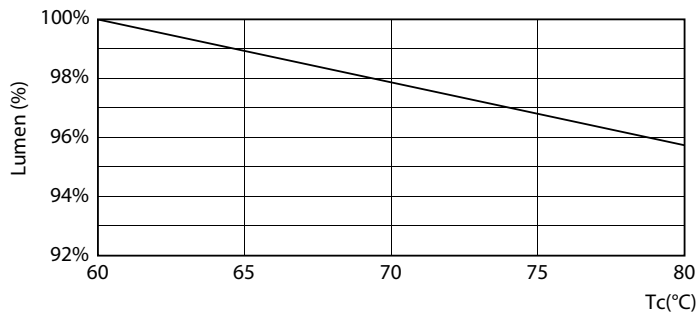
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LEDtube_18W_G13_2100lm_865_1

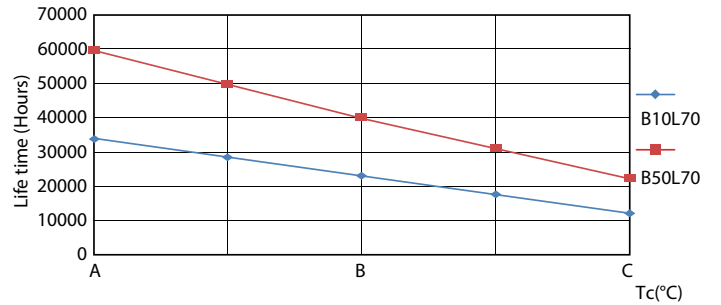
Lifetime



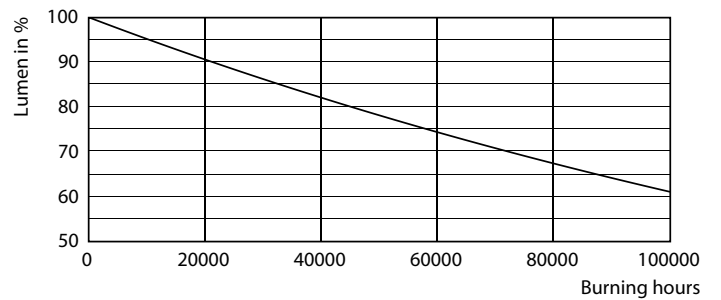
LEDtube_60K_FailureRate



LEDtube_60K_LumenVsTc



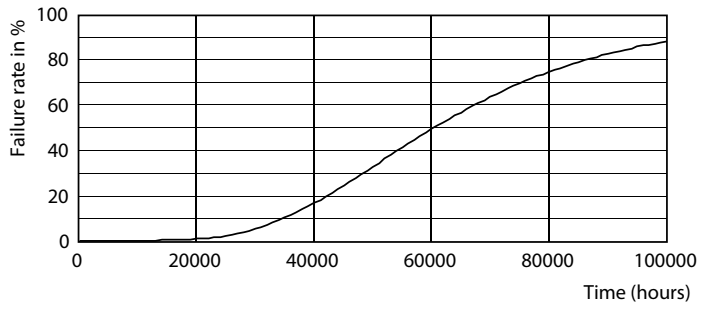
LEDtube_60K_LifetimeVsTc



LEDtube_60K

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Lifetime



LEDtube_60K

