



# MASTER LEDtube EM/ Mains T8

## 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

- NOTES: The overall energy efficiency and light distribution of any installation that uses these lamps are 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	200000X
Technical Type	18-32-36W

Light Technical	
Color Code	865 [ CCT of 6500K]
Beam Angle (Nom)	160 °
Luminous Flux (Nom)	2100 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 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 %	
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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

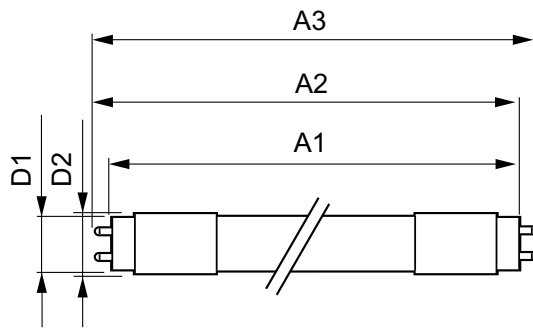
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C

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T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	60 °C
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
Product Length	1200 mm
<b>Approval and Application</b>	
Energy Efficiency Label (EEL)	A+
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking UL certificate KEMA Keur certificate

Energy Consumption kWh/1000 h	18 kWh
<b>Product Data</b>	
Full product code	871869681121400
Order product name	MASTER LEDtube 1200mm HO VWV 18W 865 T8
EAN/UPC - Product	8718696811214
Order code	929001877412
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001877412
Net Weight (Piece)	0.220 kg

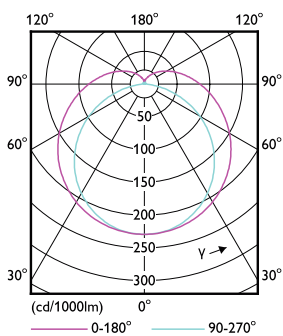
## Dimensional drawing



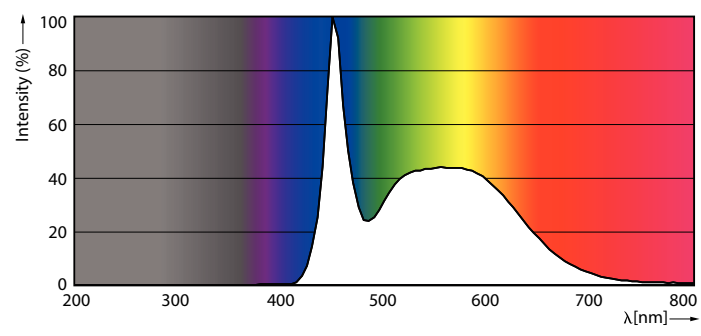
TLED Master 100-277V 2100lm 18W4ft 6500K

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



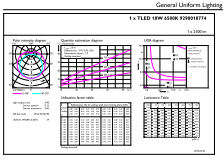
LEDtube\_G13\_2



LEDtube\_18W\_G13\_2100lm\_865

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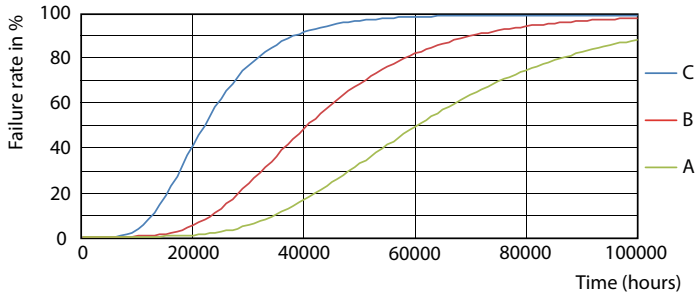
## Photometric data



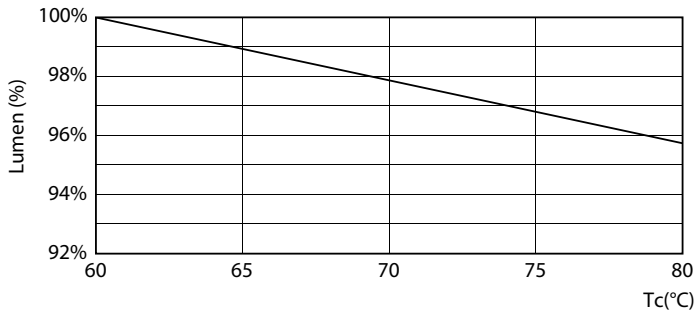
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LEDtube\_18W\_G13\_2100lm\_865\_1

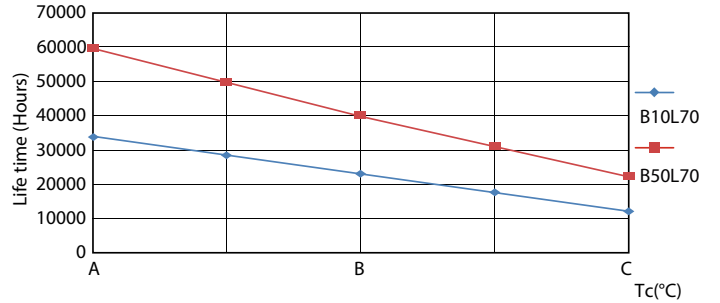
## Lifetime



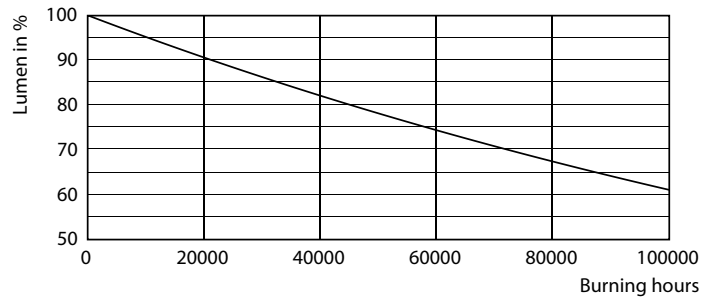
LEDtube\_60K\_FailureRate



LEDtube\_60K\_LumenVsTc



LEDtube\_60K\_LifetimeVsTc



LEDtube\_60K

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## Lifetime



LEDtube\_60K

