

# 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 %	
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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

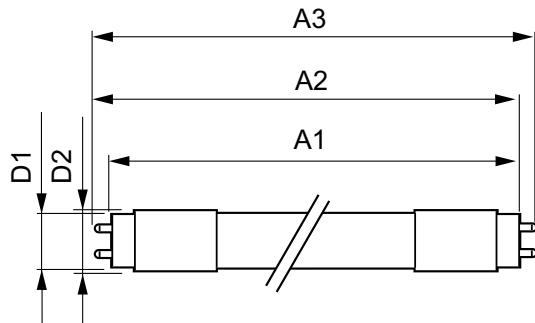
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T-Case maximum (nom.)	60 °C
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
Product length	1200 mm
Bulb shape	Tube, single-ended
<b>Approval and Application</b>	
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking 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
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929001877412
SAP net weight (piece)	0.220 kg

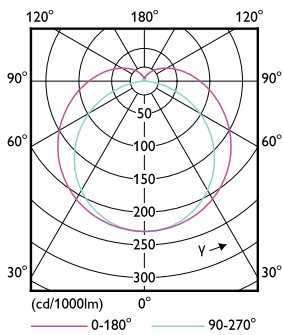
## Dimensional drawing



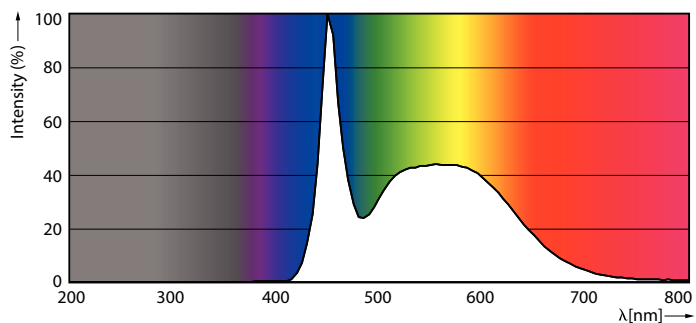
TLED Master 100-277V 2100lm 18W4ft 6500K

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



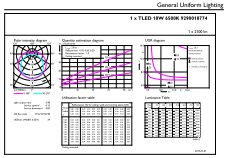
LEDtube\_G13\_2



LEDtube\_18W\_G13\_2100lm\_865

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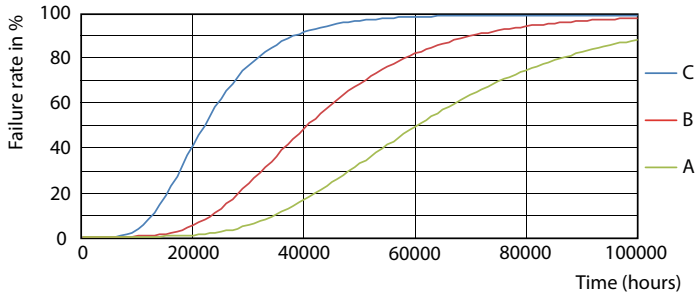
## Photometric data



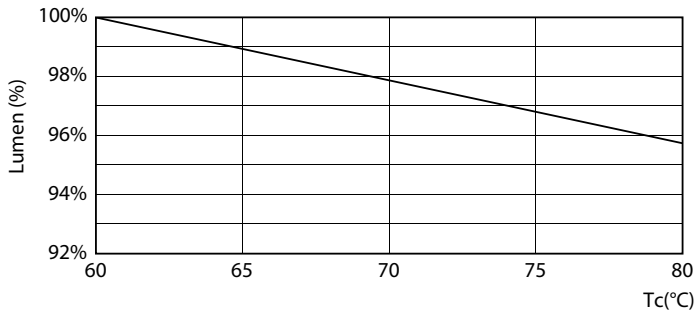
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LEDtube\_18W\_G13\_2100lm\_865\_1

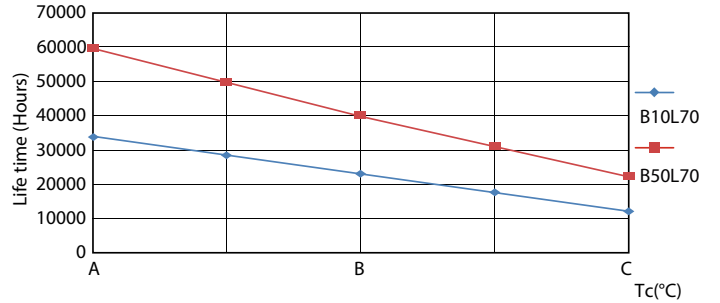
## Lifetime



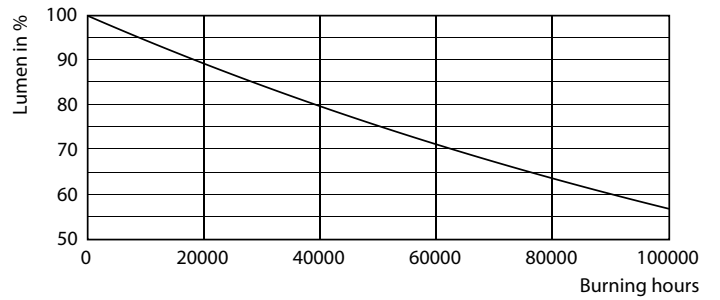
LEDtube\_60K\_FailureRate



LEDtube\_60K\_LumenVsTc



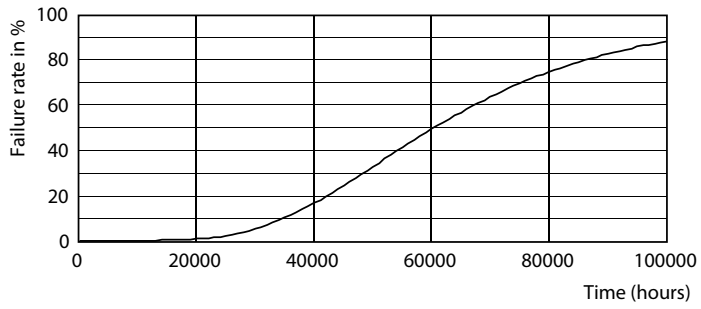
LEDtube\_60K\_LifetimeVsTc



LEDtube\_60K

# MASTER LEDtube EM/Mains

## Lifetime



LEDtube\_60K

