



# MASTER LEDtube Mains T5

## MASTER LEDtube 1200mm HE 16.5W 830 T5

The new Philips Master LEDtube Mains T5 brings simplicity to your lighting project. You don't need to pay attention to the driver technology anymore. Thanks to a unique design, Philips MASTER LEDtube Mains T5 installs in luminaires operating on mains power connection. So simple to operate! Perfectly safe, reliable & easy to install, the Philips MASTER LEDtube Mains T5 is the ideal alternative to standard fluorescent tubes to maximise value over lifetime with high energy savings and lower maintenance costs.

### Product data

General Information		Operating and Electrical	
Cap base	G5 [ G5]	Input frequency	50 to 60 Hz
EU RoHS compliant	Yes	Power (Rated) (Nom)	16.5 W
Nominal lifetime (nom.)	50000 h	Lamp current (max.)	180 mA
Switching cycle	200,000X	Lamp current (min.)	70 mA
Technical type	16.5-28W	Starting time (nom.)	0.5 s
		Warm-up time to 60% light (nom.)	0.5 s
		Power factor (nom.)	0.9
		Voltage (Nom)	100-240 V
Light Technical		Temperature	
Colour Code	830 [ CCT of 3,000 K]	T-ambient (max.)	45 °C
Beam Angle (Nom)	200 °	T-ambient (min.)	-20 °C
Lamp Luminous Flux 25°C EL (Nom)	2300 lm	T storage (max.)	65 °C
Colour Designation	White (WH)	T storage (min.)	-40 °C
Colour Temperature, horizontal (Nom)	3000 K	T-Case maximum (nom.)	70 °C
Lamp Luminous Efficacy EM (Nom)	139.00 lm/W		
Colour consistency	<6		
Colour Rendering Index,horiz (Nom)	80		
LLMF at end of nominal lifetime (nom.)	70 %		

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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Glass
Product length	1200 mm
Bulb shape	Tube, double-ended

## Approval and Application

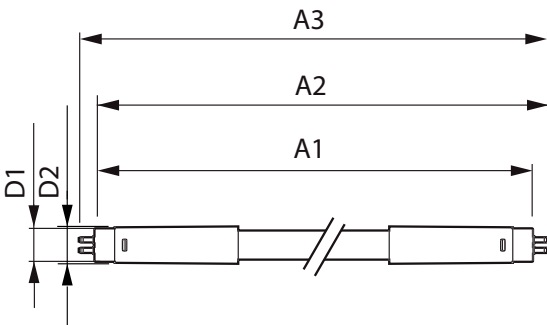
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	17 kWh
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## Product Data

Full product code	871869978349500
Order product name	MASTER LEDtube 1200mm HE 16.5W 830 T5
EAN/UPC – product	8718699783495
Order code	929002420908
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929002420908
SAP net weight (piece)	0.215 kg

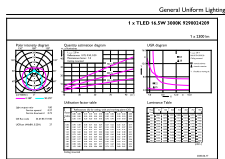
## Dimensional drawing



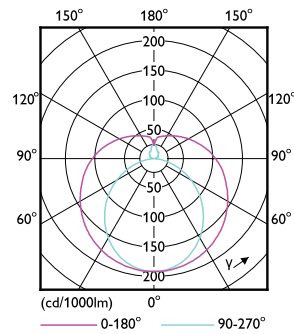
MASTER LEDtube 1200mm HE 16.5W 830 T5

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1200mm HE 16.5W 830 T5	15.8 mm	19 mm	1149 mm	1156.1 mm	1163.2 mm

## Photometric data



LEDtube MAS 16,5W G5 2300lm 830



LEDtube MAS 8W G5 1000lm

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## Photometric data



LEDtube MAS 16,5W G5 2300lm 830

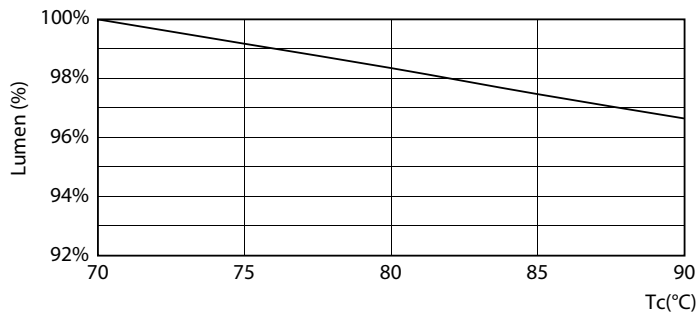
## Lifetime



LEDtube 50K-LED



LEDtube 50K FailureRate-LED



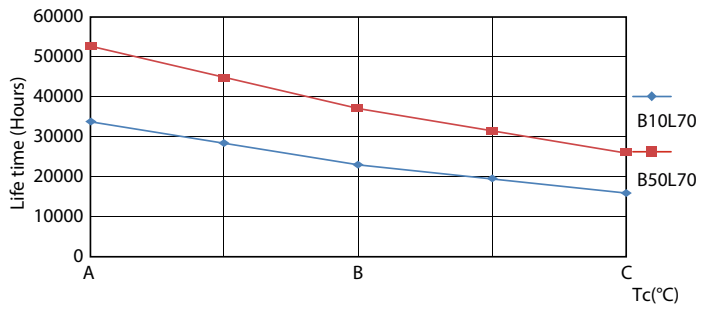
LEDtube 16,5W 50K LumenVsTc



LEDtube 50K-LMP

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## Lifetime



LEDtube 50K LifetimeVsTc-LED

