



# MASTER LEDtube Mains T5



## MASTER LEDtube 1500mm HE 20W 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	
Cap base	G5 [ G5]
EU RoHS compliant	Yes
Nominal lifetime (nom.)	50000 h
Switching cycle	200,000X
Technical type	20-35W
	Sphere

Light Technical	
Colour Code	830 [ CCT of 3,000 K]
Technical Beam Angle (Nom)	200 °
Lamp Luminous Flux 25°C EL (Nom)	2800 lm
Colour Designation	White (WH)
Colour Temperature, horizontal (Nom)	3000 K
Lamp Luminous Efficacy EM (Nom)	140.00 lm/W
Colour consistency	<6
Colour Rendering Index,horiz (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)	20 W
Lamp current (max.)	230 mA
Lamp current (min.)	85 mA
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

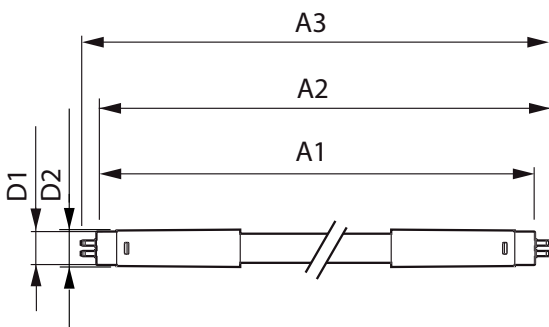
Temperature	
T-ambient (max.)	45 °C
T-ambient (min.)	-20 °C
T storage (max.)	65 °C
T storage (min.)	-40 °C

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T-Case maximum (nom.)	75 °C
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
Lamp Finish	Frosted
Bulb material	Glass
Product length	1500 mm
Bulb shape	Tube, double-ended
<b>Approval and Application</b>	
Energy Efficiency Class	D
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	20 kWh 467354
<b>Product Data</b>	
Full product code	871869978355600
Order product name	MASTER LEDtube 1500mm HE 20W 830 T5
EAN/UPC – product	8718699783556
Order code	929002421208
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929002421208
SAP net weight (piece)	0.176 kg

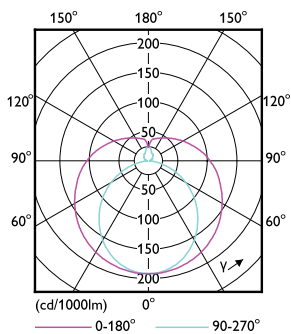
## Dimensional drawing



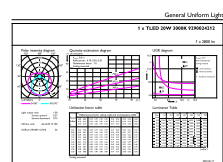
Master LEDtube 1500mm 20W830 G5 EU

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1500mm HE 20W 830 T5	15.8 mm	19 mm	1449 mm	1454.9 mm	1463.2 mm

## Photometric data



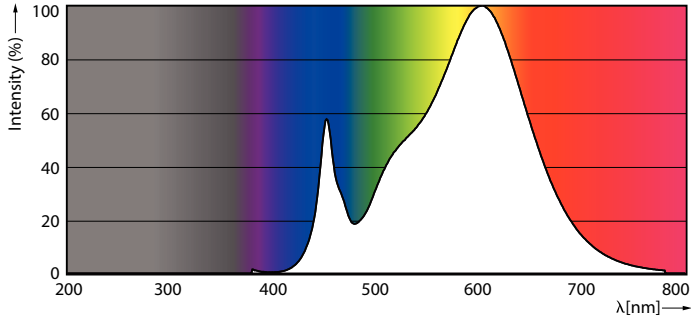
LEDtube MAS 8W G5 1000lm



LEDtube MAS 20W G5 2800lm 830

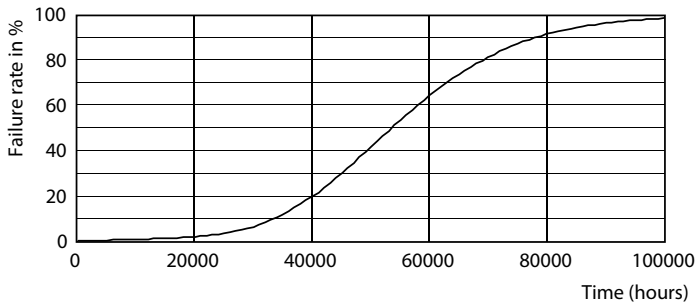
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## Photometric data

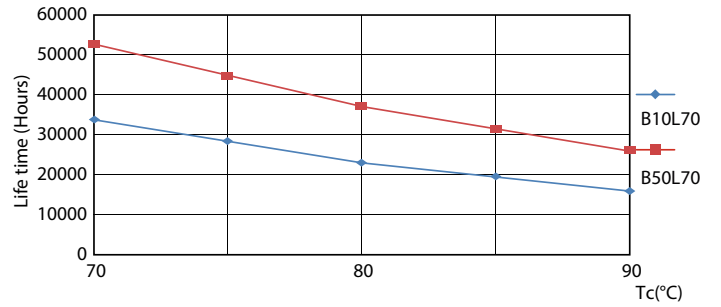


LEDtube MAS 16,5W G5 2300lm 830

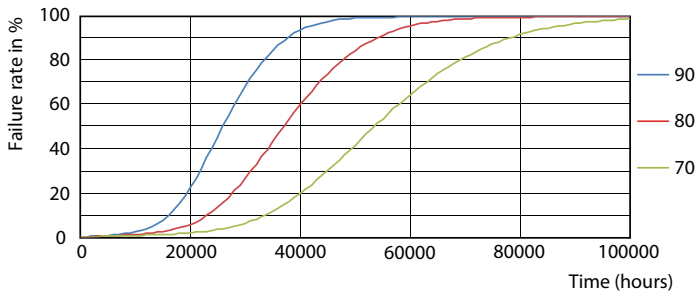
## Lifetime



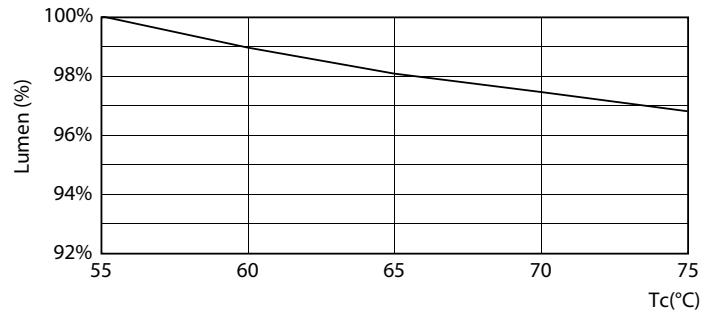
LEDtube 50K-LED



LEDtube MAS 1 26W 50K LifetimeVsTc-LED



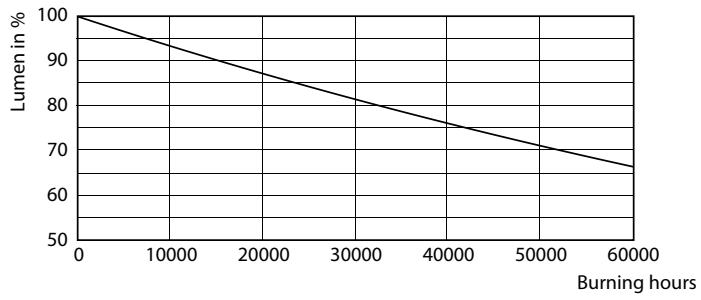
LEDtube MAS 1 26W 50K FailureRate-LED



LEDtube MAS G3 20W 50K LumenVsTc-LMP

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## Lifetime



LEDtube 50K-LMP

