



# MASTER LEDtube EM/ Mains



## MASTER LEDtube 1500mm UE 20W 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 ROT (Rotating) [ Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	70000 h
Switching Cycle	200000X
Flux measurement reference	Sphere
Light Technical	
Colour Code	865 [ CCT of 6500K]
Beam Angle (Nom)	160 °
Luminous Flux (Nom)	3700 lm
Colour Designation	Cool Daylight
Colour Temperature, horizontal (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	185.00 lm/W
Color Consistency	<6
Colour Rendering Index horiz (Nom)	80

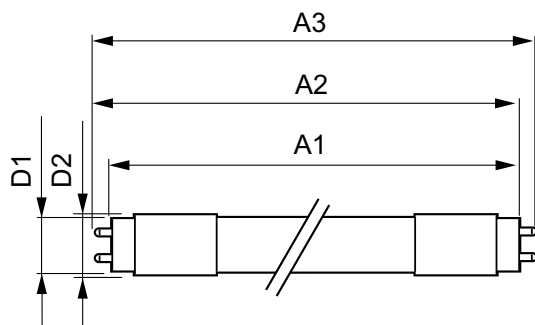
LLMF At End Of Nominal Lifetime (Nom) 70 %	
Operating and Electrical	
Input Frequency	50 to 60 Hz
Power (Rated) (Nom)	20 W
Lamp Current (Max)	103 mA
Lamp Current (Min)	85 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	220-240 V
Temperature	
T-Ambient (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)	60 °C
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1500 mm
Bulb Shape	Tube, double-ended
<b>Approval and Application</b>	
Energy Efficiency Class	B
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	453170
<b>Product Data</b>	
Full product code	871951433978100
Order product name	MASTER LEDtube 1500mm UE 20W 865 T8
EAN/UPC - Product	8719514339781
Order code	33978100
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929003067302
Net Weight (Piece)	0.270 kg

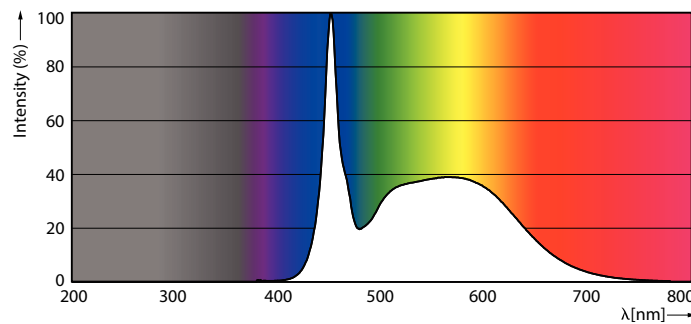
## Dimensional drawing



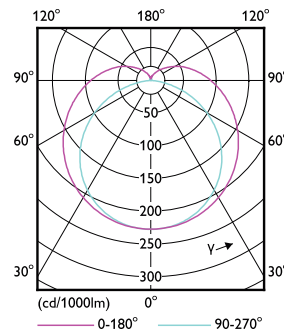
T8 UE 5ft 220-240V 20W 3700lm 6500K

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1500mm UE 20W 865 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm

## Photometric data



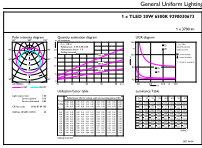
LEDtube MAS 13,5W G13 2500lm 865-POC



LEDtube MAS 13,5W G13 2500lm-LDD

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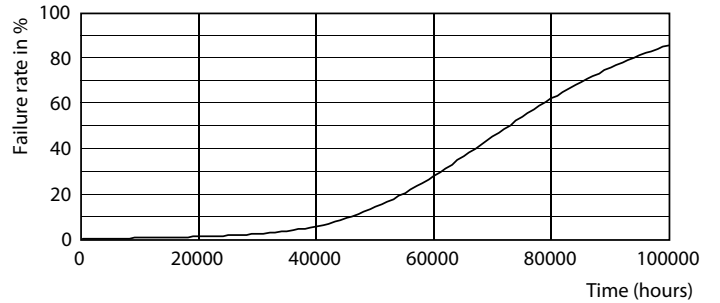
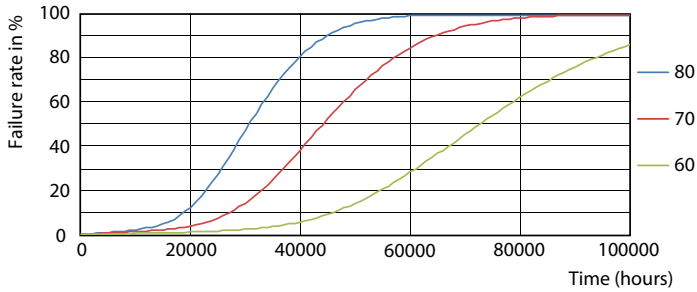
## Photometric data



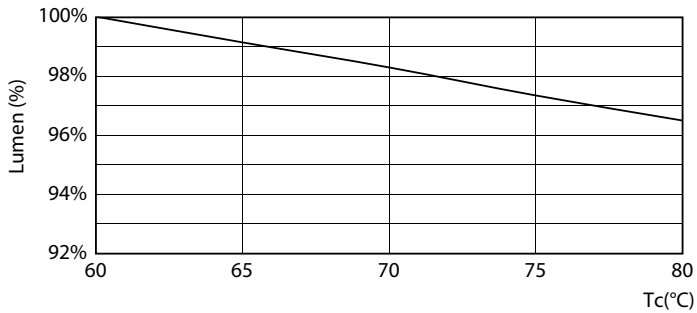
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LEDtube MAS 20W G13 3700lm 865-GUL

## Lifetime

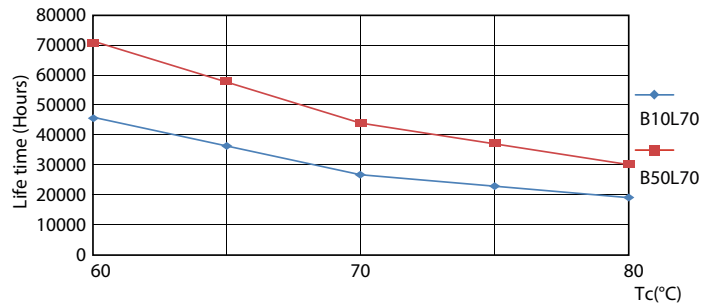


LEDtube MAS 20W 70K FailureRate-LED



LEDtube MAS 20W 70K LumenVsTc-LMP

LEDtube\_70K-LED



LEDtube MAS 20W 70K LifetimeVsTc-LED

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## Lifetime



LEDtube\_70K-LMP

