



# MASTER LEDtube EM/ Mains



## MASTER LEDtube 1500mm UE 20W 840 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. This product is the ideal solution for up lighting in general lighting applications.

### Warnings and Safety

• -

### Product data

General Information	
Cap base	G13 ROT (Rotating) [ Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal lifetime (nom.)	75000 h
Switching cycle	200,000X Sphere
Light Technical	
Colour Code	840 [ CCT of 4,000 K]
Technical Beam Angle (Nom)	160 °
Lamp Luminous Flux 25°C EL (Nom)	3700 lm
Colour Designation	Cool White (CW)
Colour Temperature, horizontal (Nom)	4000 K
Lamp Luminous Efficacy EM (Nom)	185.00 lm/W
Colour consistency	<6
Colour Rendering Index,horiz (Nom)	80

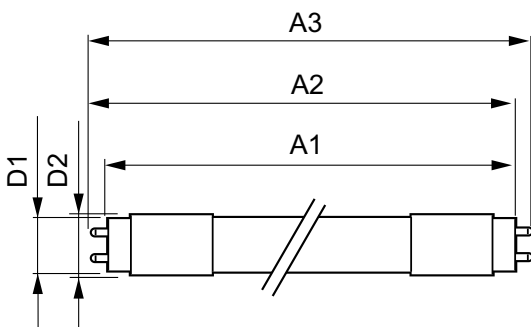
LLMF at end of nominal lifetime (nom.) 70 %	
Operating and Electrical	
Input frequency	50 to 60 Hz
Power (Rated) (Nom)	20 W
Lamp current (max.)	103 mA
Lamp current (min.)	85 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light (nom.)	0.5 s
Power factor (nom.)	0.9
Voltage (Nom)	220-240 V
Temperature	
T-ambient (max.)	45 °C
T-ambient (min.)	-20 °C
T storage (max.)	65 °C
T storage (min.)	-40 °C

# MASTER LEDtube EM/Mains

T-Case maximum (nom.)	60 °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	B
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate

Approval marks	TUV
Energy consumption kWh/1,000 hours	20 kWh
	453169
<b>Product Data</b>	
Full product code	871951433976700
Order product name	MASTER LEDtube 1500mm UE 20W 840 T8
EAN/UPC – product	8719514339767
Order code	929003067202
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929003067202
SAP net weight (piece)	0.270 kg

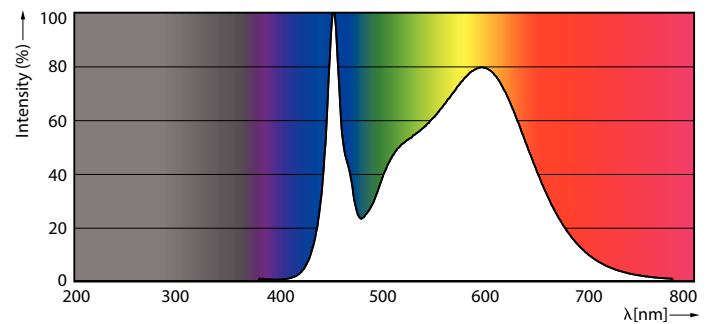
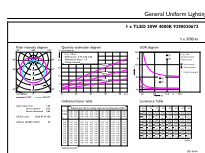
## Dimensional drawing



MASTER LEDtube 1500mm UE 20W 840 T8

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1500mm UE 20W 840 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm

## Photometric data

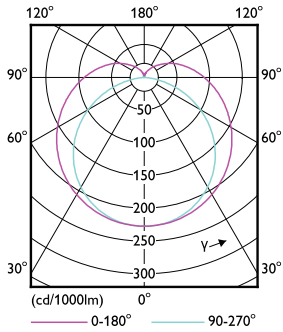


LEDtube MAS 20W G13 3700lm 840-GUL

LEDtube MAS 13,5W G13 2500lm 840-POC

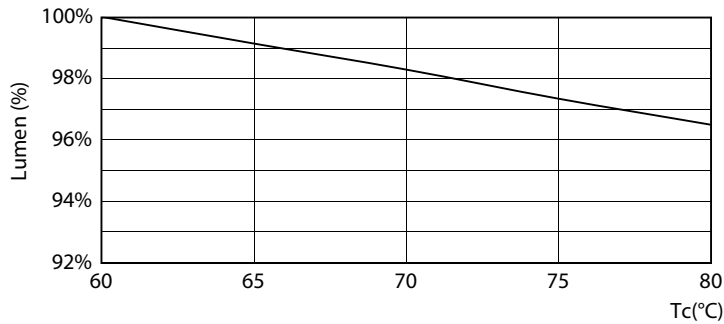
# MASTER LEDtube EM/Mains

## Photometric data



Light Distribution Diagram

## Lifetime



LEDtube MAS 20W 70K LumenVsTc-LMP

