



# MASTER LEDtube EM/ Mains T8

## MASTER LEDtube 1500mm UO 21.7W 830 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

- NOTES: The overall energy efficiency and light distribution of any installation that uses these lamps are determined by the design of the installation.

### Product data

General Information		LLMF At End Of Nominal Lifetime (Nom) 70 %	
Cap-Base	G13 ROT (Rotating) [ Medium Bi-Pin Fluorescent]	<b>Operating and Electrical</b>	
EU RoHS compliant	Yes	Input Frequency	50 to 60 Hz
Nominal Lifetime (Nom)	70000 h	Power (Nom)	21.7 W
Switching Cycle	200000X	Lamp Current (Max)	108 mA
<b>Light Technical</b>		Lamp Current (Min)	89 mA
Color Code	830 [ CCT of 3000K]	Starting Time (Nom)	0.5 s
Beam Angle (Nom)	160 °	Warm Up Time to 60% Light (Nom)	0.5 s
Luminous Flux (Nom)	3400 lm	Power Factor (Nom)	0.9
Color Designation	White (WH)	Voltage (Nom)	220-240 V
Correlated Color Temperature (Nom)	3000 K	<b>Temperature</b>	
Luminous Efficacy (rated) (Nom)	156.00 lm/W	T-Ambient (Max)	45 °C
Color Consistency	<6	T-Ambient (Min)	-20 °C
Color Rendering Index (Nom)	80	T-Storage (Max)	65 °C

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T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	60 °C

## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1500 mm

## Approval and Application

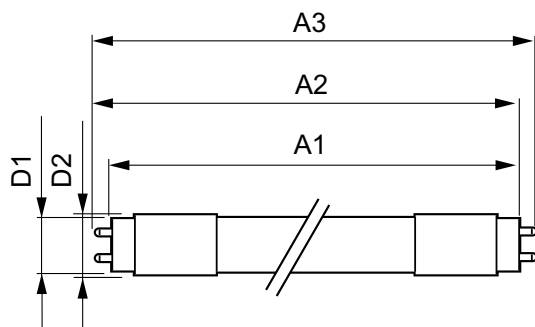
Energy Efficiency Label (EEL)	A++
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy Consumption kWh/1000 h	22 kWh
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## Product Data

Full product code	871951431662100
Order product name	MASTER LEDtube 1500mm UO 21.7W 830 T8
EAN/UPC - Product	8719514316621
Order code	929002998502
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002998502
Net Weight (Piece)	0.450 kg

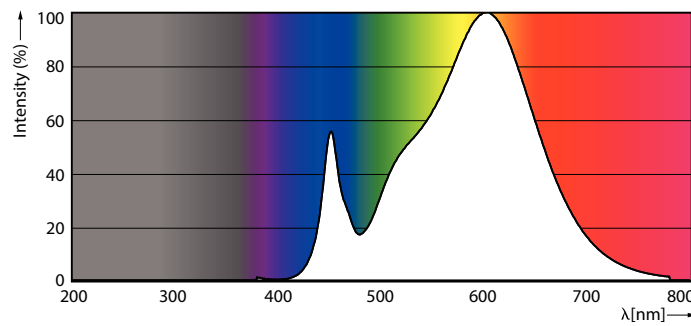
## Dimensional drawing



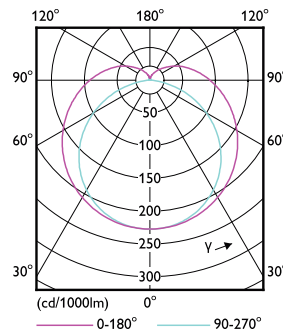
TLED T8 220-240V 21.8-58W 3400lm 3000K

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1500mm UO 21.7W 830 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm

## Photometric data



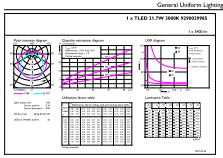
LEDtube MAS 21,7W G13 3400lm 830



LEDtube MAS 14,7W G13 2300lm

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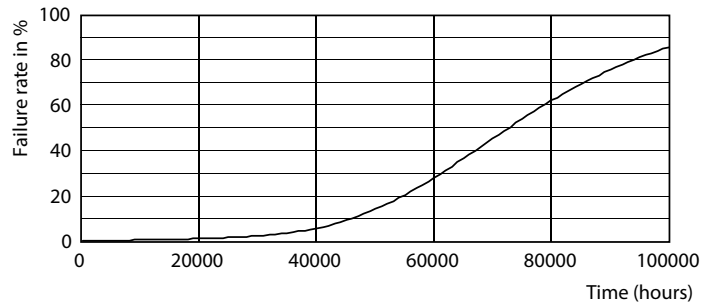
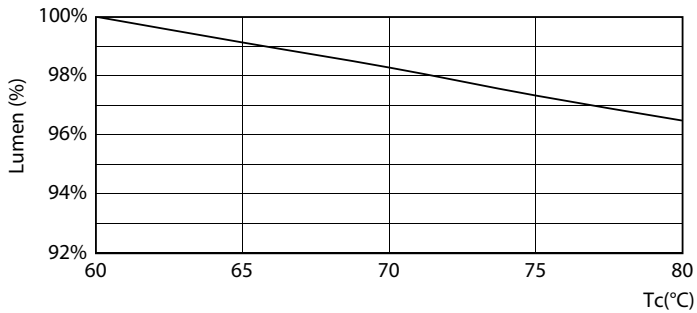
## Photometric data



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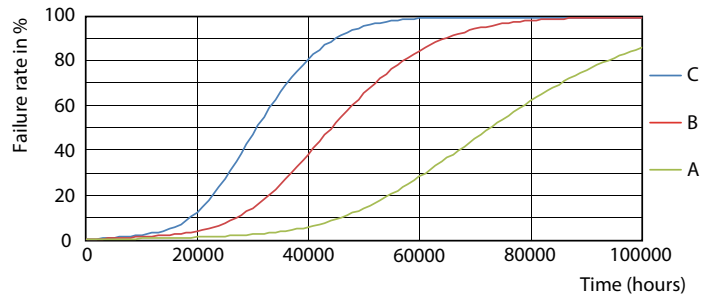
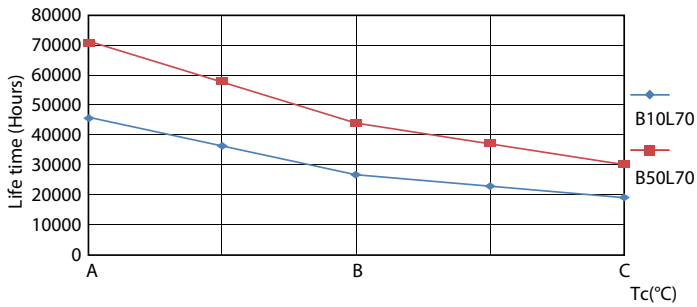
LEDtube MAS 21,7W G13 3400lm 830

## Lifetime



LEDtube MAS 21,7W 70K LumenVsTc

LEDtube\_70K-LED



LEDtube\_70K\_LifetimeVsTc-LED

LEDtube\_70K\_FailureRate-LED

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## Lifetime



LEDtube\_70K-LMP

