



# MASTER LEDtube EM/ Mains T8

## MASTER LEDtube 1500mm UO 21.7W 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. 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	
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	
Color Code	840 [ CCT of 4000K]
Beam Angle (Nom)	160 °
Luminous Flux (Nom)	3700 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	170.00 lm/W
Color Consistency	<6

Color Rendering Index (Nom)	
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Input Frequency	50 to 60 Hz
Power (Nom)	21.7 W
Lamp Current (Max)	108 mA
Lamp Current (Min)	89 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

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T-Storage (Max)	65 °C
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
Bulb Shape	Tube, double-ended

## Approval and Application

Energy Efficiency Class	C
Energy Saving Product	Yes

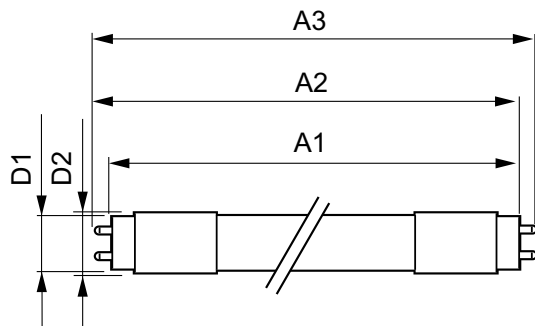
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
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Energy Consumption kWh/1000 h	22 kWh
EPREL Registration Number	403547

## Product Data

Full product code	871951431664500
Order product name	MASTER LEDtube 1500mm UO 21.7W 840 T8
EAN/UPC - Product	8719514316645
Order code	929002998602
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002998602
Net Weight (Piece)	0.450 kg

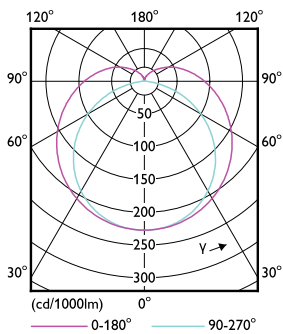
## Dimensional drawing



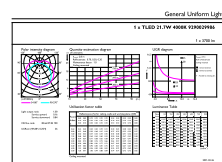
TLED T8 220-240V 21.8-58W 3700lm 4000K

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1500mm UO 21.7W 840 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm

## Photometric data



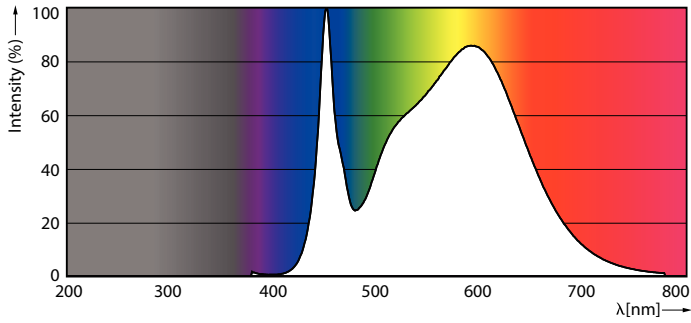
LEDtube MAS 14,7W G13 2300lm



LEDtube MAS 21,7W G13 3700lm 840

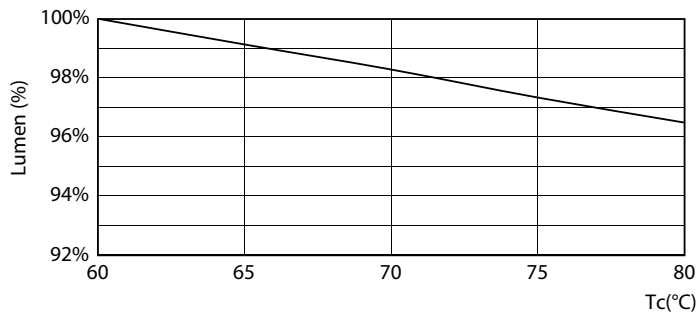
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## Photometric data

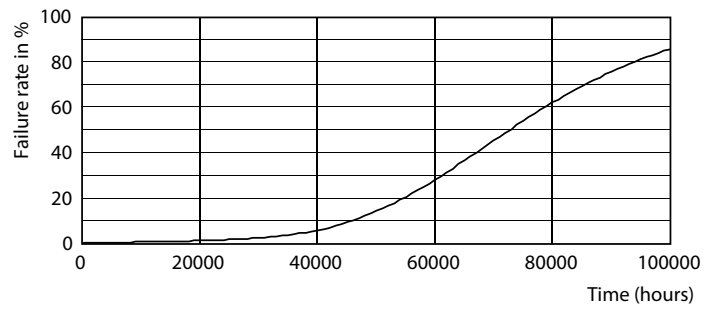


LEDtube MAS 21,7W G13 3700lm 840

## Lifetime



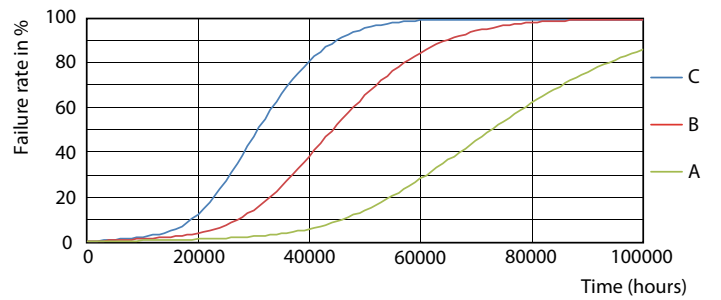
LEDtube MAS 21,7W 70K LumenVsTc



LEDtube\_70K-LED



LEDtube\_70K\_LifetimeVsTc-LED



LEDtube\_70K\_FailureRate-LED

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## Lifetime



LEDtube\_70K-LMP

