



# 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. These T8 LED tubes are the right choice for absolute performance and are designed to stand up to everyday conditions. Unparalleled savings thanks to low energy consumption and an exceptionally long lifetime ensure this tube masters every demanding application.

### Warnings and Safety

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

### Product data

General information		Color Designation	
Cap-Base	G13 ROT (Rotating) [ Medium Bi-Pin Fluorescent]	Color Designation	White (WH)
CE mark	Yes	Correlated Color Temperature (Nom)	3000 K
EU RoHS compliant	Yes	Luminous Efficacy (rated) (Nom)	156 lm/W
Nominal Lifetime (Nom)	75000 h	Color Consistency	<6
Switching Cycle	200000	Color Rendering Index (Nom)	80
Flux measurement reference	Sphere	LLMF At End Of Nominal Lifetime (Nom)	70 %
Tier	MASTER	<b>Operating and electrical</b>	
<b>Light technical</b>		Input Frequency	50 to 60 Hz
Color Code	830 [ CCT of 3000K]	Power (Nom)	21.7 W
Beam Angle (Nom)	160 °	Lamp Current (Max)	108 mA
Luminous Flux (Nom)	3400 lm	Lamp Current (Min)	89 mA
		Starting Time (Nom)	0.5 s
		Warm Up Time to 60% Light (Nom)	0.5 s

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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
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

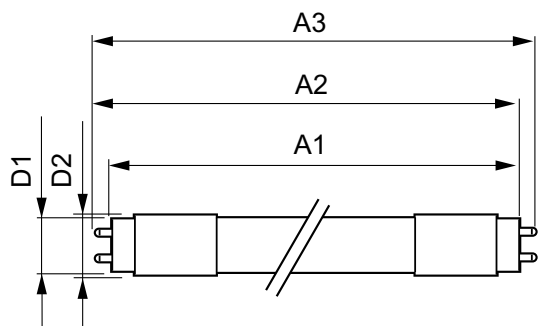
### Approval and application

Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	22 kWh
EPREL Registration Number	1206976

### 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)	0.285 kg

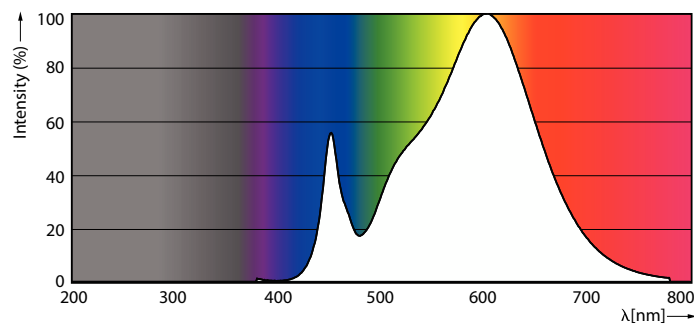
### Dimensional drawing



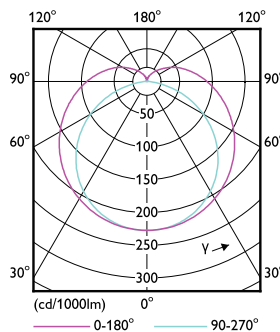
MASTER LEDtube 1500mm UO 21.7W 830 T8

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



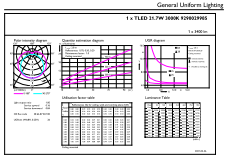
Spectral Power Distribution Colour



Light Distribution Diagram

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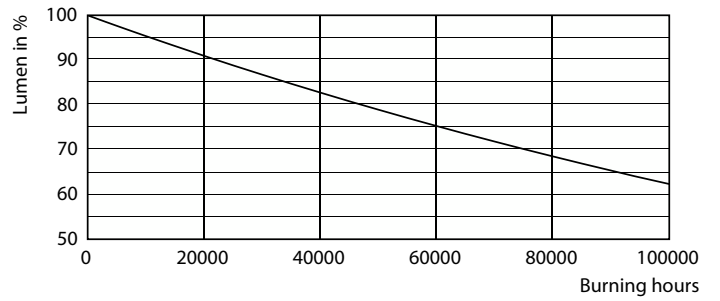
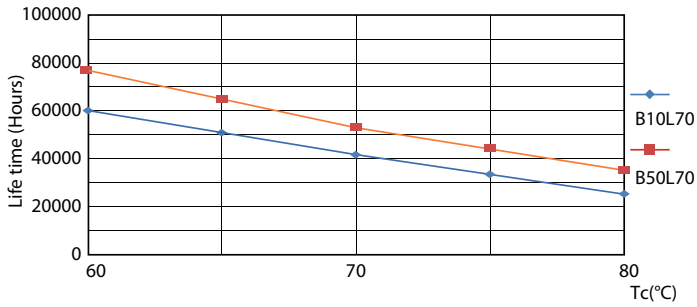
## Photometric data



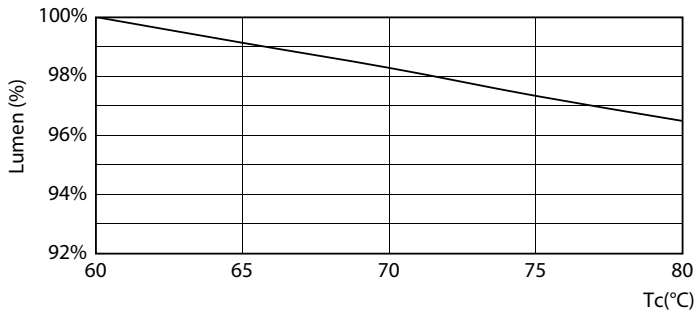
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### General uniform lighting

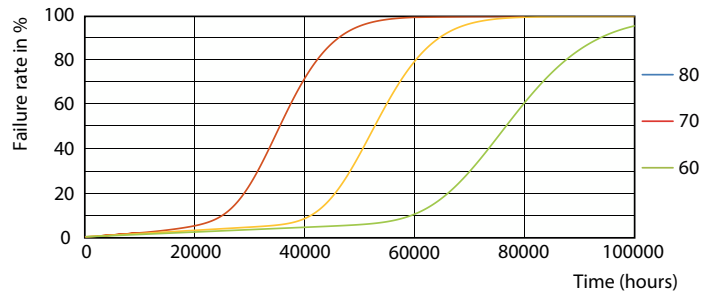
## Lifetime



### LifetimeVsTc



### Lumen Maintenance Diagram

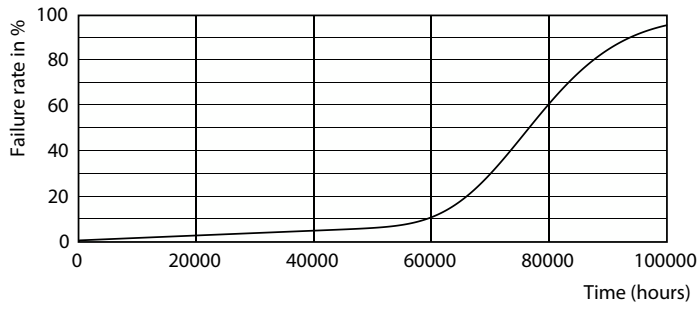


### LumenVsTc

### FailureRate

# MASTER LEDtube EM/Mains T8

## Lifetime



### Life Expectancy Diagram

