



# MASTER LEDtube EM/ Mains T8

## MAS LEDtube 1200mm HO 12.5W 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	
Cap-Base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]
Nominal lifetime	75,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,000 lumen
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K

Luminous Efficacy (rated) (Nom)	160 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	12.5 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V

# MASTER LEDtube EM/Mains T8

## Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	50 °C

## Controls and Dimming

Dimmable	No
----------	----

## Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	Tube, double-ended

## Approval and Application

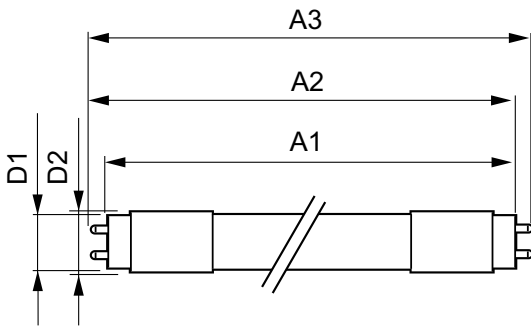
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy Consumption kWh/1000 h	13 kWh
EPREL Registration Number	1,206,966
CE mark	Yes
EU RoHS compliant	Yes

## Product Data

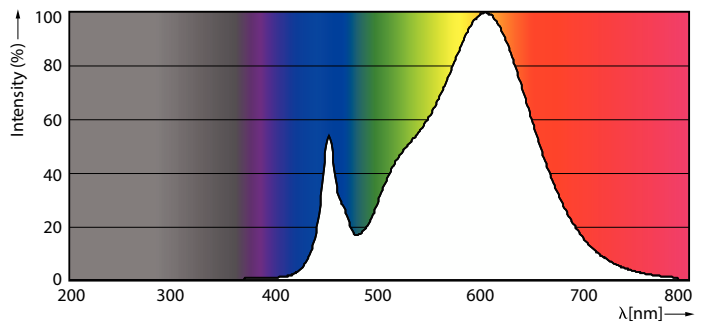
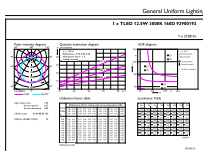
Full product code	871869959235600
Order product name	MAS LEDtube 1200mm HO 12.5W 830 T8
Order code	929001922602
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929001922602
Full product name	MAS LEDtube 1200mm HO 12.5W 830 T8
EAN/UPC - Case	8718699592363

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO 12.5W 830 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

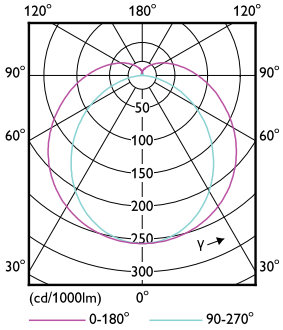
## Photometric data



Spectral Power Distribution Colour - MAS LEDtube 1200mm HO 12.5W 830 T8

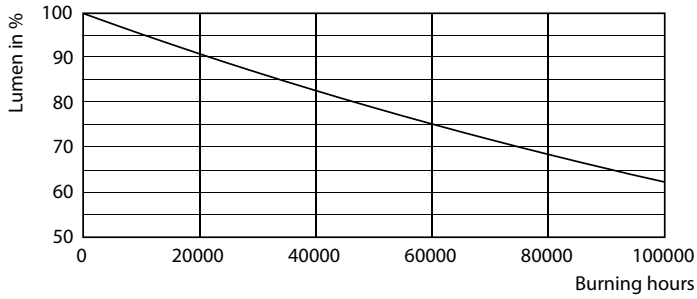
# MASTER LEDtube EM/Mains T8

## Photometric data

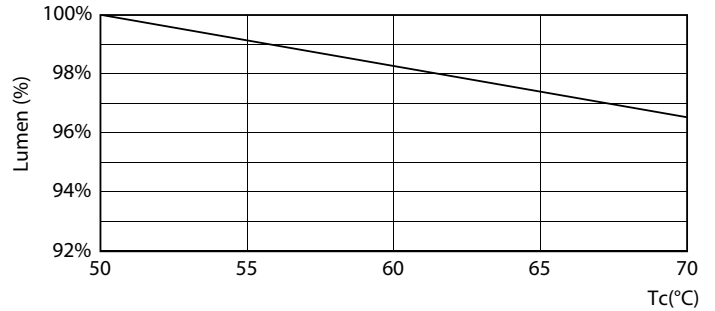


Light Distribution Diagram - MAS LEDtube 1200mm HO 12.5W 830 T8

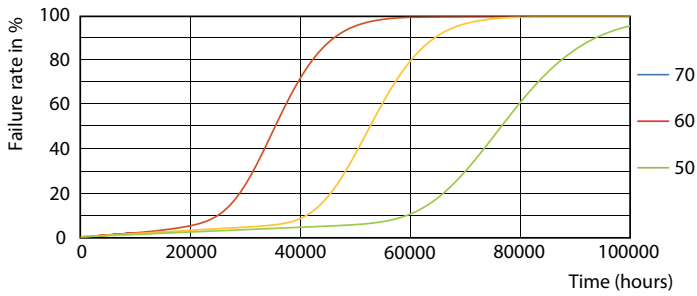
## Lifetime



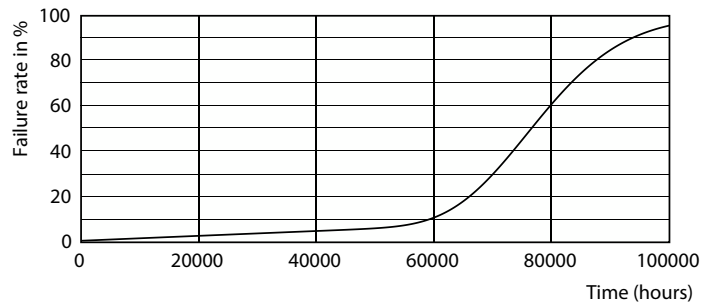
Lumen Maintenance Diagram - MAS LEDtube 1200mm HO 12.5W 830 T8



Lumen Maintenance Diagram - MAS LEDtube 1200mm HO 12.5W 830 T8



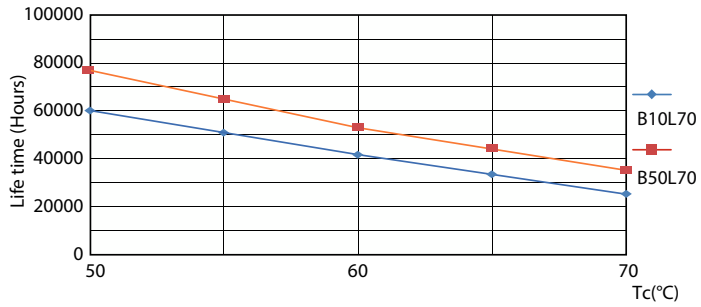
Life Expectancy Diagram - MAS LEDtube 1200mm HO 12.5W 830 T8



Life Expectancy Diagram - MAS LEDtube 1200mm HO 12.5W 830 T8

# MASTER LEDtube EM/Mains T8

## Lifetime



Life Expectancy Diagram - MAS LEDtube 1200mm HO 12.5W 830 T8

