



# MASTER LEDtube EM/ Mains T8

## MAS LEDtube 1200mm 14W 840 T8 THD

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

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### Product data

General Information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	150.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	83

LLMF At End Of Nominal Lifetime (Nom) 70 %	
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Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	14 W
Lamp Current (Max)	73 mA
Lamp Current (Min)	54 mA
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

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	55 °C

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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Product Length	1,200 mm
Bulb Shape	Tube, double-ended

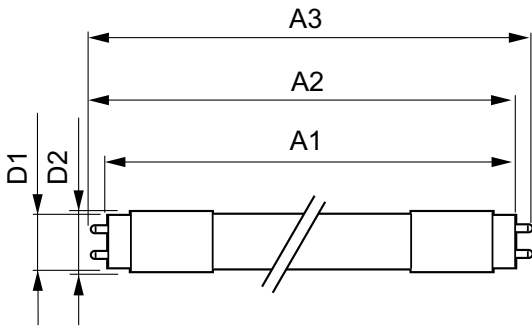
## Approval and Application

Energy Saving Product	Yes
Approval Marks	CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	14 kWh

## Product Data

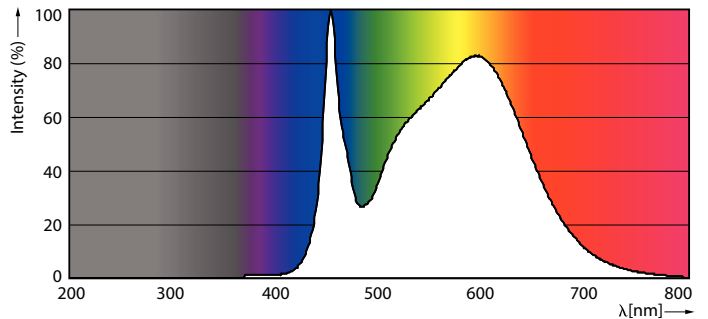
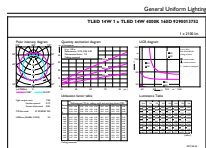
Order product name	MAS LEDtube 1200mm 14W 840 T8 THD
Full product name	MAS LEDtube 1200mm 14W 840 T8 THD
Full product code	871869672857400
Order code	929001375208
Material Nr. (12NC)	929001375208
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696728574
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696728581

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm 14W 840 T8 THD	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

## Photometric data

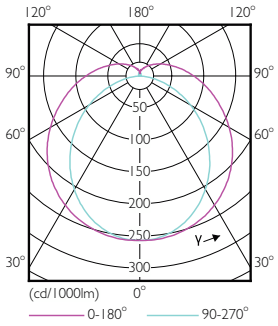


General uniform lighting - MAS LEDtube 1200mm 14W 840 T8 THD

Spectral Power Distribution Colour - MAS LEDtube 1200mm 14W 840 T8 THD

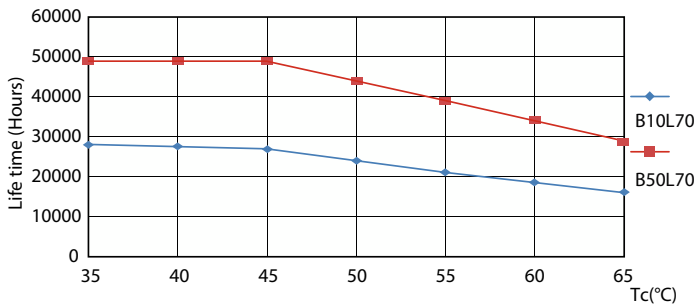
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## Photometric data

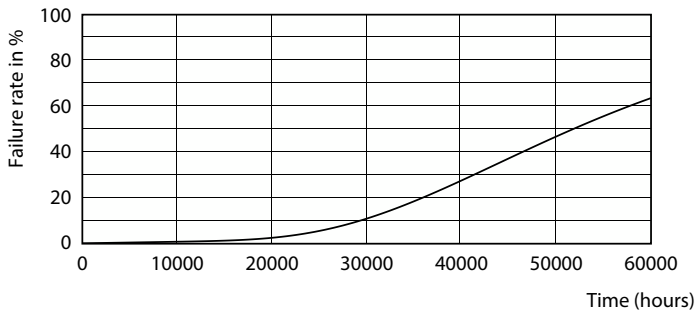


Light Distribution Diagram - MAS LEDtube 1200mm 14W 840 T8 THD

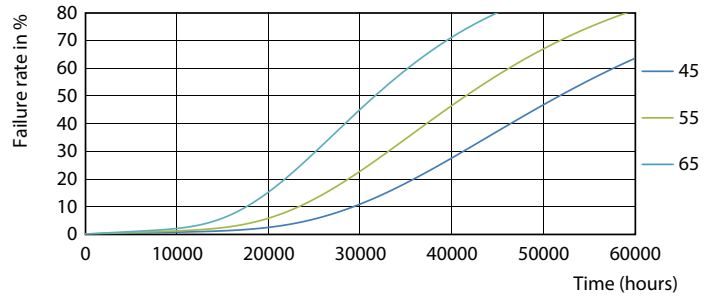
## Lifetime



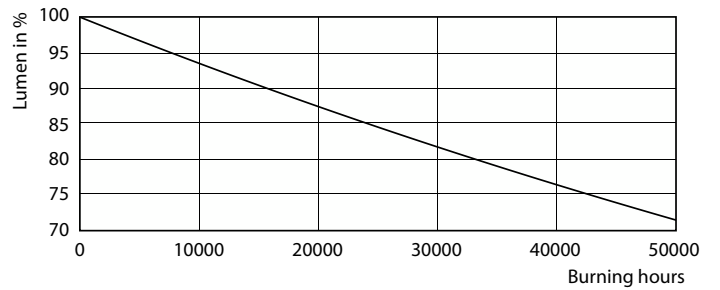
Life Expectancy Diagram - MAS LEDtube 1200mm 14W 840 T8 THD



Life Expectancy Diagram - MAS LEDtube 1200mm 14W 840 T8 THD



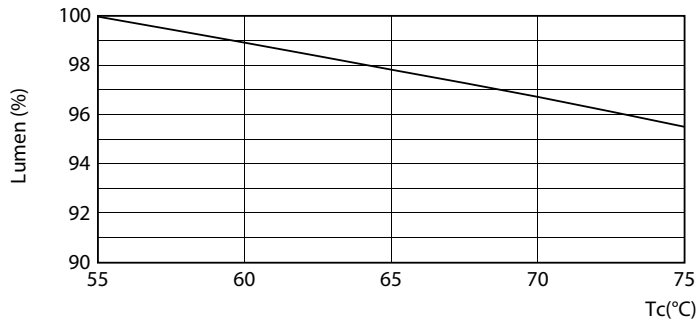
Life Expectancy Diagram - MAS LEDtube 1200mm 14W 840 T8 THD



Lumen Maintenance Diagram - MAS LEDtube 1200mm 14W 840 T8 THD

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## Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1200mm 14W 840 T8 THD

