



# MASTER LEDtube EM/ Mains



## MASTER LEDtube 1200mm UO 14.7W 865 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

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### Product data

General information	
Cap-Base	G13 ROT (Rotating) [ Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	75000 h
Switching Cycle	200000
Flux measurement reference	Sphere
Light technical	
Colour Code	865 [ CCT of 6500K]
Beam Angle (Nom)	160 °
Luminous Flux (Nom)	2500 lm
Colour Designation	Cool Daylight
Colour Temperature, horizontal (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	170 lm/W
Color Consistency	<6
Colour Rendering Index horiz (Nom)	80

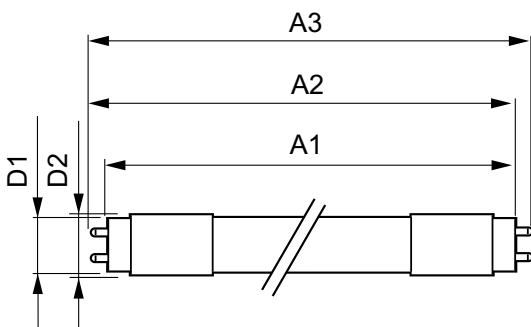
LLMF At End Of Nominal Lifetime (Nom) 70 %	
Operating and electrical	
Input Frequency	50 to 60 Hz
Power (Rated) (Nom)	14.7 W
Lamp Current (Max)	74 mA
Lamp Current (Min)	61 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	220-240 V
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

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T-Case Maximum (Nom)	55 °C
<b>Controls and dimming</b>	
Dimmable	No
<b>Mechanical and housing</b>	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1200 mm
Bulb Shape	Tube, double-ended
<b>Approval and application</b>	
Energy Efficiency Class	C
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate

Approval Marks	TUV
Energy Consumption kWh/1000 h	15 kWh
EPREL Registration Number	403545
<b>Product data</b>	
Full product code	871951431660700
Order product name	MASTER LEDtube 1200mm UO 14.7W 865 T8
EAN/UPC - Product	8719514316607
Order code	31660700
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002998402
Net Weight (Piece)	0.230 kg

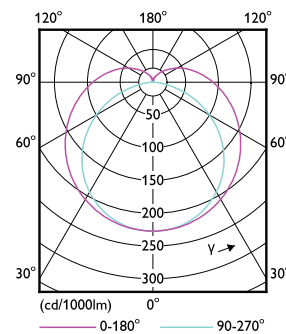
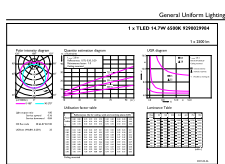
## Dimensional drawing



MASTER LEDtube 1200mm UO 14.7W 865 T8

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1200mm UO 14.7W 865 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm

## Photometric data

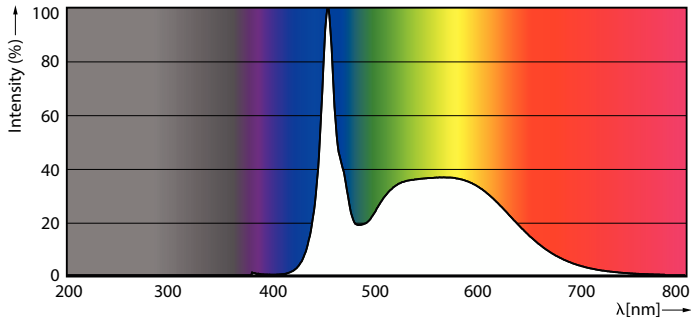


General uniform lighting

Light Distribution Diagram

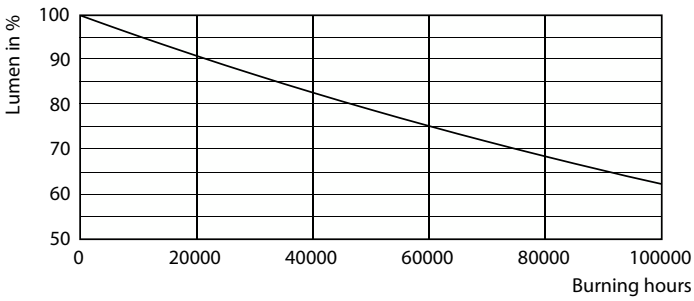
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## Photometric data

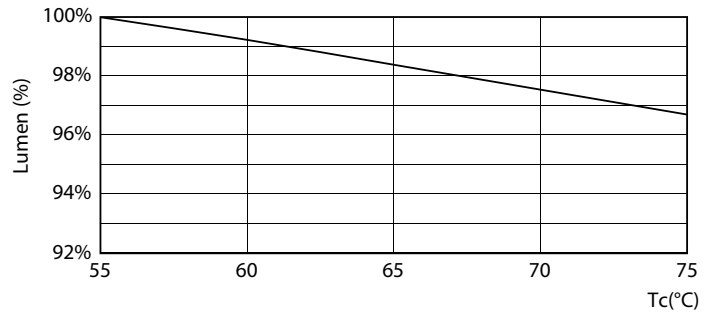


Spectral Power Distribution Colour

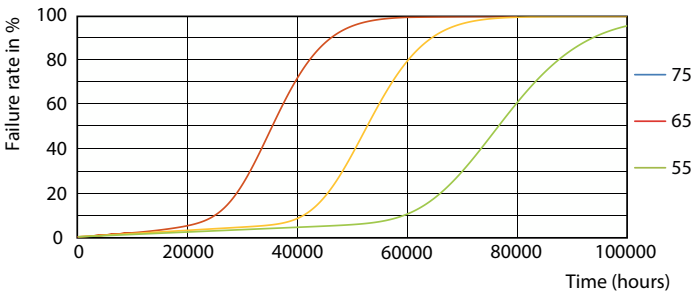
## Lifetime



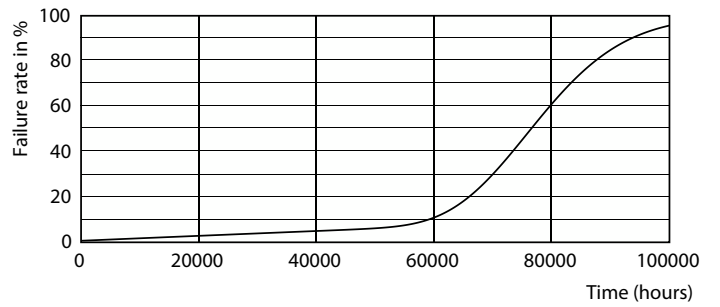
Lumen Maintenance Diagram



LumenVsTc



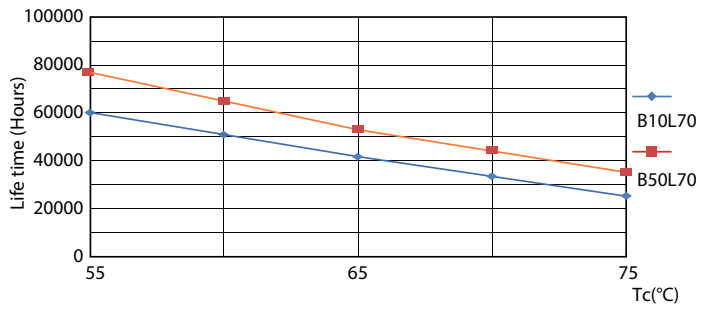
FailureRate



Life Expectancy Diagram

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## Lifetime



LifetimeVsTc

