

MASTER LEDtube EM/ Mains



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. 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	830 [CCT of 3000K]
Beam Angle (Nom)	160 °
Luminous Flux (Nom)	3400 lm
Colour Designation	White (WH)
Colour Temperature, horizontal (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	156 lm/W
Color Consistency	<6
Colour Rendering Index horiz (Nom)	80

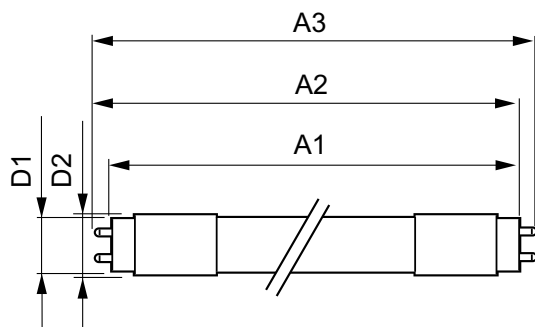
LLMF At End Of Nominal Lifetime (Nom) 70 %	
Operating and electrical	
Input Frequency	50 to 60 Hz
Power (Rated) (Nom)	21.7 W
Lamp Current (Max)	108 mA
Lamp Current (Min)	89 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	220-240 V
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

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T-Case Maximum (Nom)	60 °C
Controls and dimming	
Dimmable	No
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	31662100
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002998502
Net Weight (Piece)	0.450 kg

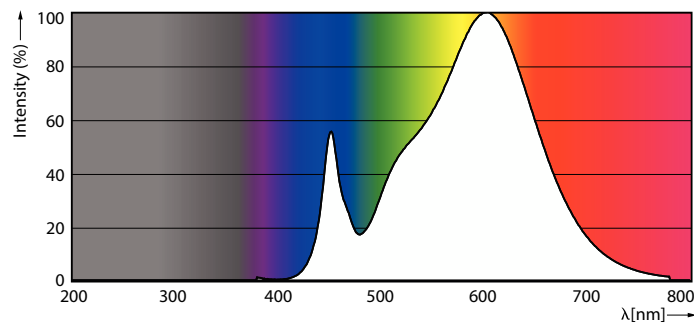
Dimensional drawing



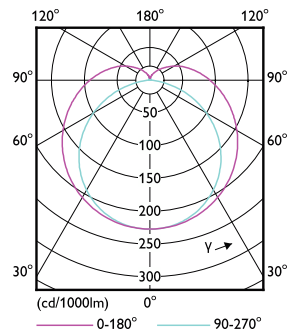
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Product	D1	D2	A1	A2	A3
MASTER LEDtube 1500mm UO 21.7W 830 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm

Photometric data



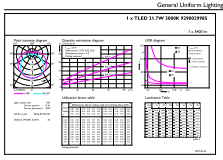
Spectral Power Distribution Colour



Light Distribution Diagram

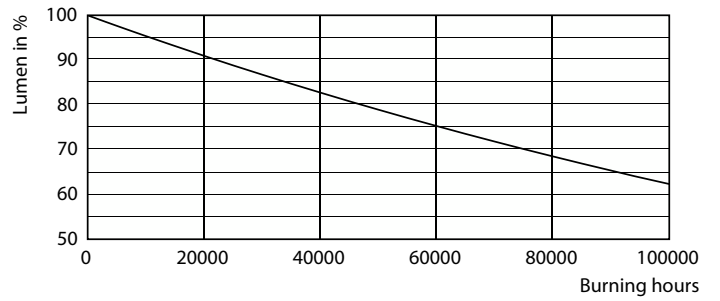
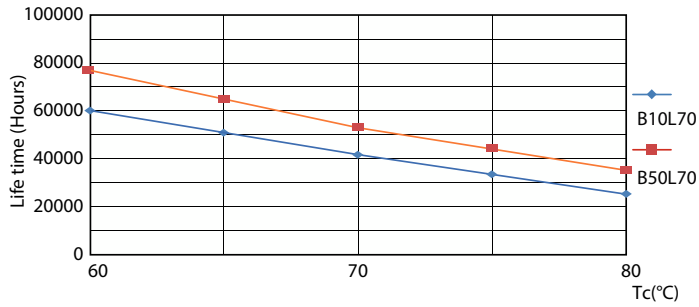
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Photometric data

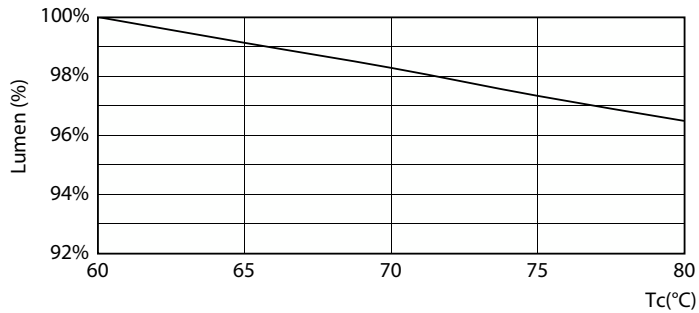


General uniform lighting

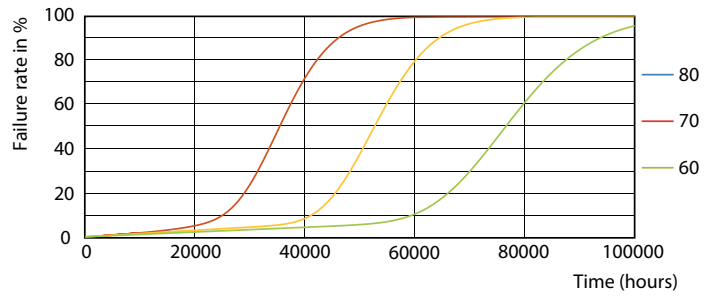
Lifetime



LifetimeVsTc



Lumen Maintenance Diagram



LumenVsTc

FailureRate

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Lifetime



Life Expectancy Diagram

