

MASTER LEDtube EM/ Mains T8

MASTER LEDtube 600mm HO 8W840 T8 MY

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 [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	60000 h
Switching Cycle	200000X

Light technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	190 °
Luminous Flux (Nom)	1050 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	131.00 lm/W
Color Consistency	<6

Color Rendering Index (Nom)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and electrical	
Input Frequency	50 to 60 Hz
Power (Nom)	8 W
Lamp Current (Max)	40 mA
Lamp Current (Min)	35 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

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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)	50 °C

Controls and dimming

Dimmable	No
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Mechanical and housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	600 mm
Bulb Shape	Tube, double-ended

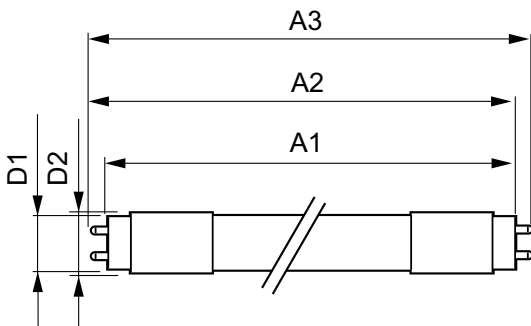
Approval and application

Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate

Product data

Full product code	871951446905100
Order product name	MASTER LEDtube 600mm HO 8W840 T8 MY
EAN/UPC - Product	8719514469051
Order code	929003557337
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	929003557337
Net Weight (Piece)	0.105 kg

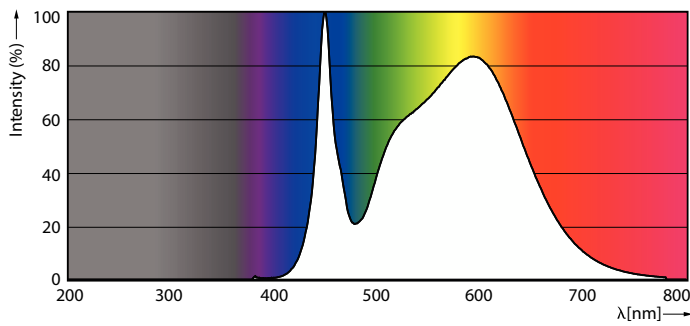
Dimensional drawing



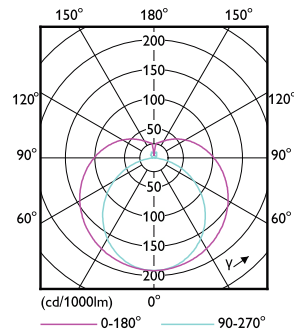
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Product	D1	D2	A1	A2	A3
MASTER LEDtube 600mm HO 8W840 T8 MY	25.8 mm	28 mm	588.5 mm	595.5 mm	602.5 mm

Photometric data



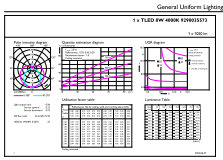
Spectral Power Distribution Colour



Light Distribution Diagram

MASTER LEDtube EM/Mains T8

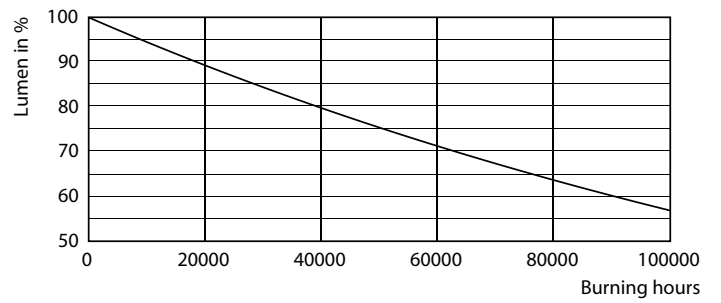
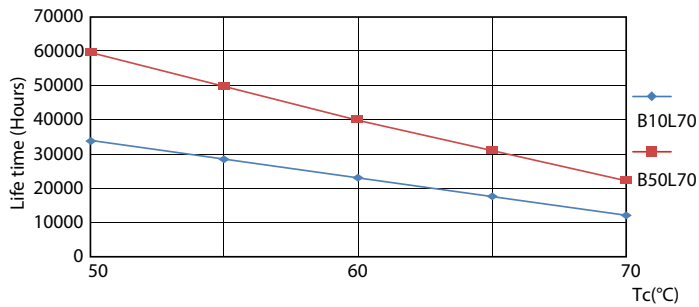
Photometric data



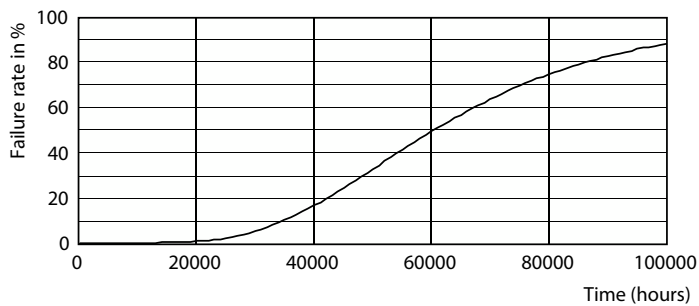
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General uniform lighting

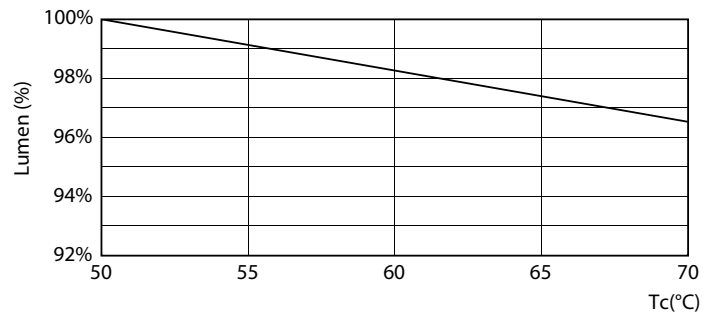
Lifetime



LEDtube 60K 5070 LifetimeVsTc-LED



Lumen Maintenance Diagram

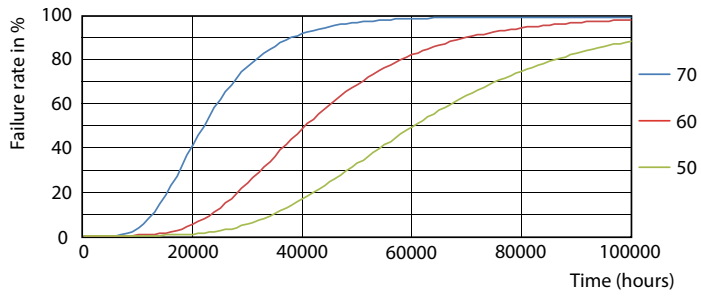


Life Expectancy Diagram

LumenVsTc

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Lifetime



LEDtube 60K 5070 FailureRate-LED

