



# MASTER LEDtube InstantFit HF T8

## MASTER LEDtube HF 1200mm 14W 833 T8 FOOD

Philips MASTER LEDtube InstantFit T8 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. Philips MASTER LEDtube InstantFit T8 is the ideal solution for customers who have higher light requirements and want to maximize value over lifetime. Full energy savings & longer lifetime result in attractive payback times and TCO benefits.

### Warnings and Safety

- NOTES: The overall energy efficiency and light distribution of any installation that uses these lamps are determined by the design of the installation.

### Product data

General information		Color Rendering Index (Nom)		80
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]	LLMF At End Of Nominal Lifetime (Nom)		70 %
EU RoHS compliant	Yes	Operating and electrical		
Nominal Lifetime (Nom)	60000 h	Input Frequency	20000-75000 Hz	
Switching Cycle	50000	Power (Nom)	14 W	
Tier	MASTER	Lamp Current (Max)	750 mA	
Light technical		Lamp Current (Min)	300 mA	
Color Code	833 [ CCT of 3300K]	Starting Time (Nom)	0.5 s	
Beam Angle (Nom)	160 °	Warm Up Time to 60% Light (Nom)	0.5 s	
Luminous Flux (Nom)	1000 lm	Power Factor (Nom)	0.9	
Color Designation	White (WH)	Voltage (Nom)	30-80 V	
Correlated Color Temperature (Nom)	3300 K	Temperature		
Luminous Efficacy (rated) (Nom)	71.00 lm/W	T-Ambient (Max)	45 °C	
Color Consistency	<6			

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T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	55 °C

## Controls and dimming

Dimmable	No
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## Mechanical and housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1200 mm
Bulb Shape	Tube, double-ended

## Approval and application

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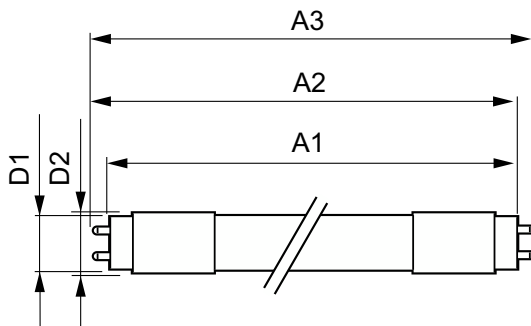
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
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Energy Consumption kWh/1000 h	14 kWh
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## Product data

Full product code	871951429616900
Order product name	MASTER LEDtube HF 1200mm 14W 833 T8 FOOD
EAN/UPC - Product	8719514296169
Order code	929002479402
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002479402
Net Weight (Piece)	0.360 kg

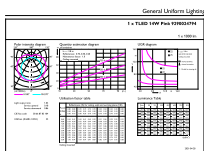
## Dimensional drawing



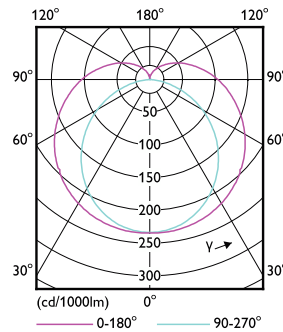
MASTER LEDtube HF 1200mm 14W 833 T8 FOOD

Product	D1	D2	A1	A2	A3
MASTER LEDtube HF 1200mm 14W 833 T8 FOOD	25.6 mm	28 mm	1198.1 mm	1205.2 mm	1212.3 mm

## Photometric data



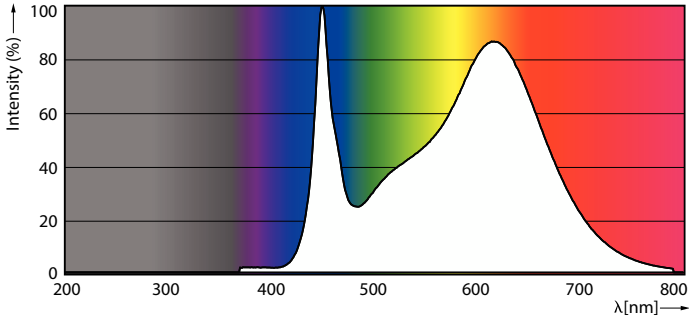
LEDtube MAS HF 14W G13 1000lm 833-GUL-GUL



LEDtube MAS HF 14W G13 1000lm-LDD-LDD

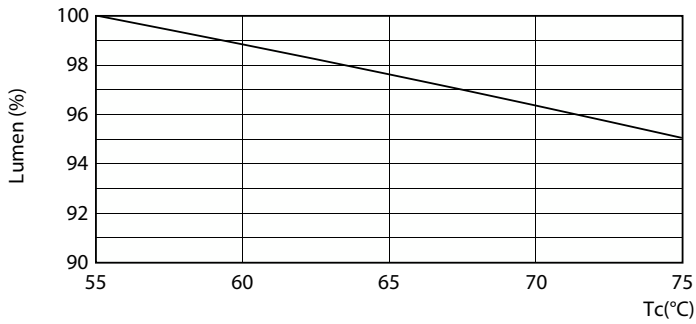
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## Photometric data

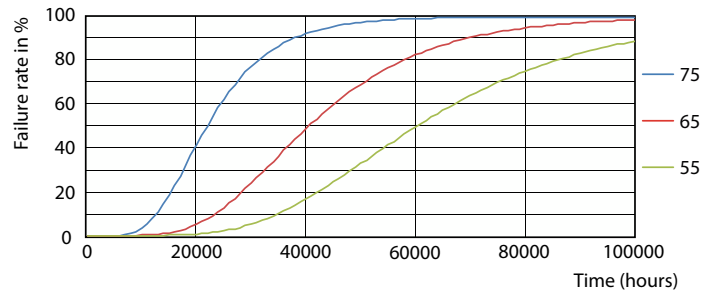


LEDtube MAS HF 14W G13 1000lm 833-POC-POC

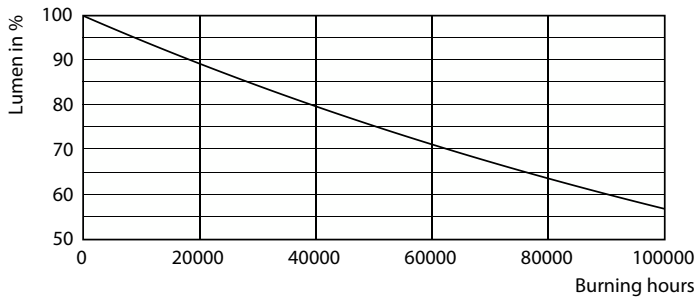
## Lifetime



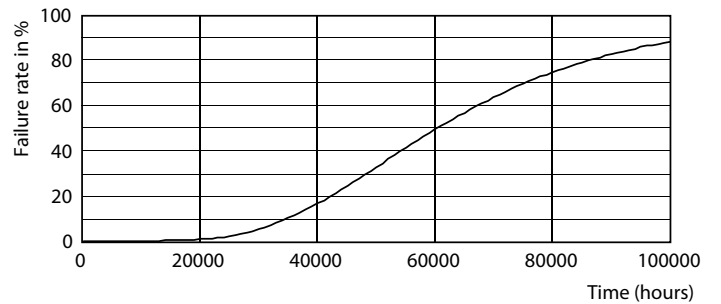
LEDtube MAS HF 14W 60K LumenVsTc-LMP-LMP



LEDtube MAS HF 14W 60K FailureRate-LED-LED



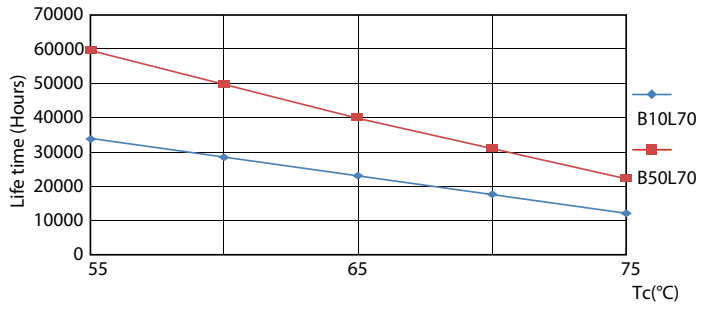
Lumen Maintenance Diagram



Life Expectancy Diagram

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## Lifetime



LEDtube MAS HF 14W 60K LifetimeVsTc-LED-LED

