



MASTER LED tube InstantFit HF T8

MAS LEDtube HF 1200mm 14W 833 T8 FOOD

MASTER, LEDtube, Tube, double-ended, HF, 1200 mm, 14 W, 36W TL-D, 3300 K, 1000 lm, CRI 80, 60000 hour(s)

MASTER, LEDtube, Tube, double-ended, HF, 1200 mm, 14 W, LED alternative to 36W TL-D, 3300 K, 1000 lm, CRI 80, 60000 hour(s), 71.00 lm/W, G13, Beam angle 160 degree(s), Plastic, 1200 mm, RG0, SDCM 6, PF 0.9, IP20, SVM 0.1, PstLM 0.1

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	
Cap-Base	G13
Nominal lifetime	60,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LEDtube
Warranty period	5 years

Light Technical	
Color Code	833 [CCT of 3300K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	1,000 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3300 K
Luminous Efficacy (rated) (Nom)	71.00 lm/W

Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
Line Frequency	20000-75000 Hz
Input Frequency	20000-75000 Hz
Power Consumption	14 W
Lamp Current (Max)	750 mA
Lamp Current (Min)	300 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9

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Voltage (Nom)	30-80 V
LED alternative to fluorescent lamp power	36W TL-D
Inrush current at mains	-
Max. lamp no. on MCB B type 10A – Mains	-
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – Mains	-
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Ballast Compatibility	HF

Temperature

T-Case Maximum (Nom)	55 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	Tube, double-ended
Net Weight (Piece)	0.360 kg

Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	14 kWh
EU RoHS compliant	Yes
Flickering value (PstLM) – Flickering value as per EN 61000-3-3	0.1
Stroboscopic effect visibility measure (SVM)	0.1
Ambient temperature range	-20 °C to 45 °C

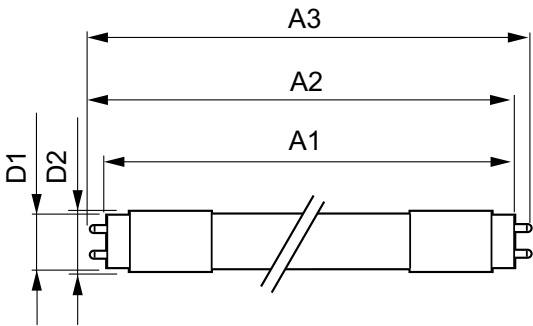
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	MAS LEDtube HF 1200mm 14W 833 T8 FOOD
Full product name	MAS LEDtube HF 1200mm 14W 833 T8 FOOD
Full product code	871951429616900
Order code	929002479402
Material Nr. (12NC)	929002479402
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8719514296169
Numerator – Packs per outer box	10
EAN/UPC – Case	8719514296176

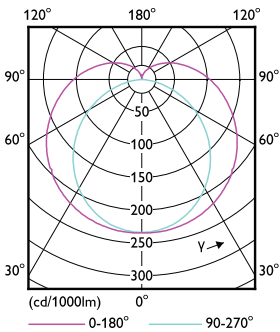
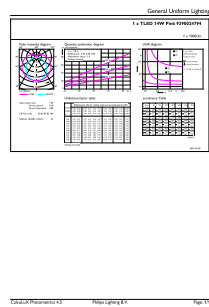
Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1200mm 14W	25.6 mm	28 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm
833 T8 FOOD					

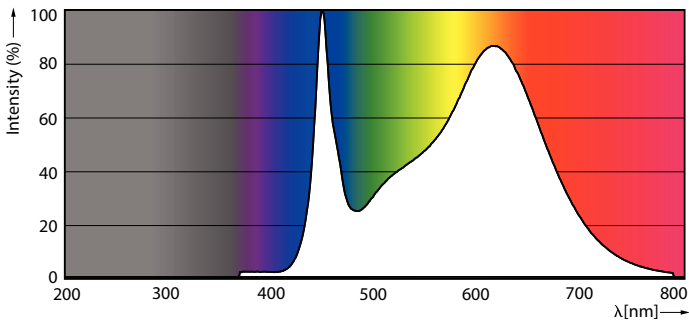
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Photometric data



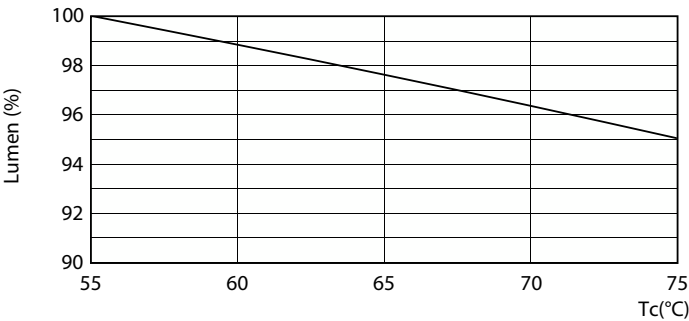
General uniform lighting - MAS LEDtube HF 1200mm 14W 833 T8 FOOD

Light Distribution Diagram - MAS LEDtube HF 1200mm 14W 833 T8 FOOD

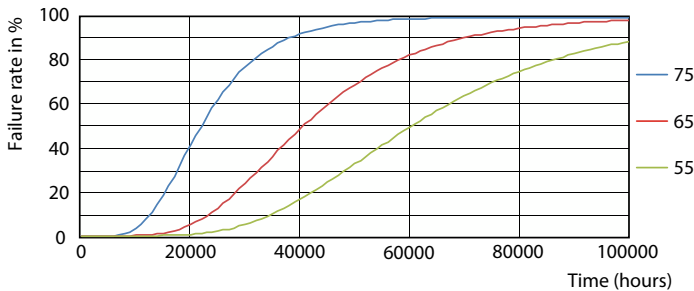


Spectral Power Distribution Colour - MAS LEDtube HF 1200mm 14W 833 T8 FOOD

Lifetime



Lumen Maintenance Diagram - MAS LEDtube HF 1200mm 14W 833 T8 FOOD



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

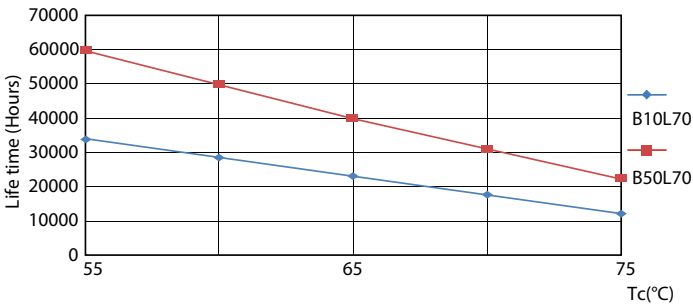
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Lifetime



Lumen Maintenance Diagram - MAS LEDtube HF 1200mm 14W 833 T8 FOOD

Life Expectancy Diagram



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

