



MASTER LEDtube EM/ Mains

MASTER LEDtube 1200mm 12W833 T8 FOOD

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. This product is the ideal solution for up lighting in general lighting applications.

Warnings and Safety

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Product data

General Information	
Cap base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 h
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Colour Code	833 [CCT of 3300K]
Beam angle (nom.)	160 degree(s)
Luminous Flux	1,000 lm
Colour designation	White (WH)
Correlated Colour Temperature	3300 K
Luminous efficacy (rated) (nom.)	83.00 lm/W
Colour consistency	<6
Colour rendering index (CRI)	83
LLMF at end of nominal lifetime (nom.)	70 %

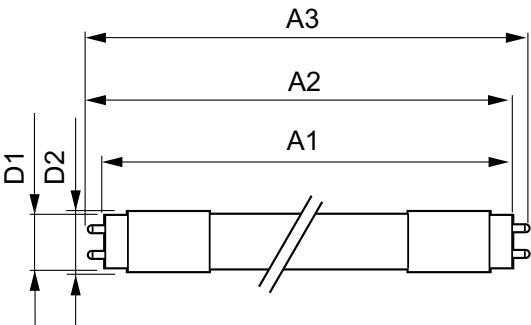
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	12 W
Lamp current (max.)	57 mA
Lamp current (min.)	51 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	220-240 V
Temperature	
Ambient temperature range	-20°C to 45°C
T-Case maximum (nom.)	45 °C
Controls and Dimming	
Dimmable	No

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Mechanical and Housing	
Bulb material	Plastic
Product length	1,200 mm
Bulb shape	Tube, double-ended
Approval and Application	
Energy-saving product	Yes
Approval marks	CE marking RoHS compliance KEMA Keur certificate
Energy consumption kWh/1,000 hours	12 kWh
Product Data	
Order product name	MAS LEDtube 1200mm 12W833 T8 FOOD

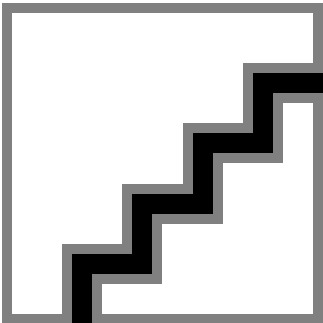
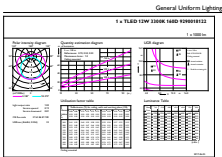
Full product name	MASTER LEDtube 1200mm 12W833 T8 FOOD
Full EOC	871869676393300
Order code	76393300
Material no. (12 NC)	929001812202
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696763933
Numerator – packs per outer box	10
EAN/UPC – Case	8718696763940

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm 12W833 T8 FOOD	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

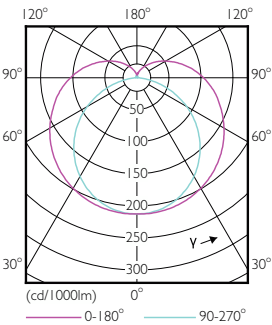
Photometric data



General uniform lighting - MAS LEDtube 1200mm 12W833 T8 FOOD

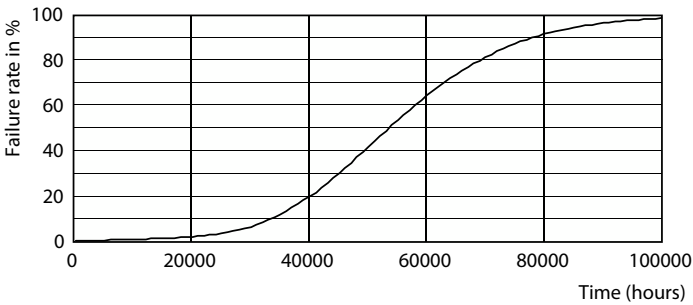
Spectral Power Distribution Colour - MAS LEDtube 1200mm 12W833 T8 FOOD

Photometric data

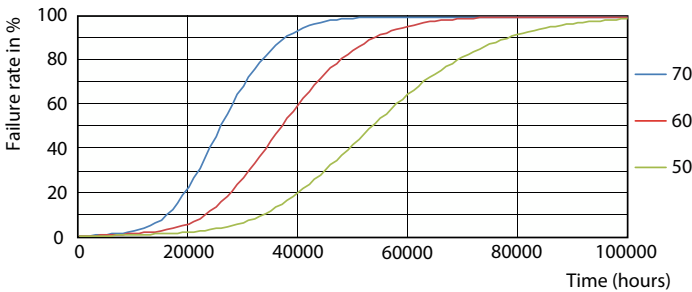


Light Distribution Diagram - MAS LEDtube 1200mm 12W833 T8 FOOD

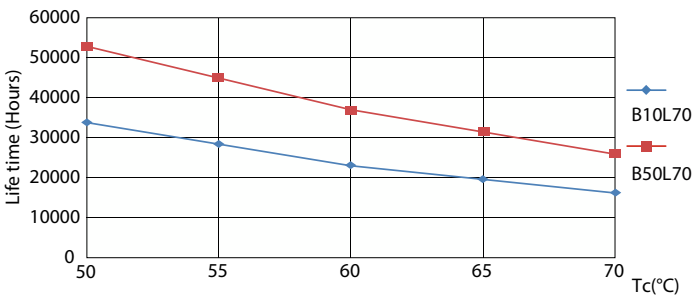
Lifetime



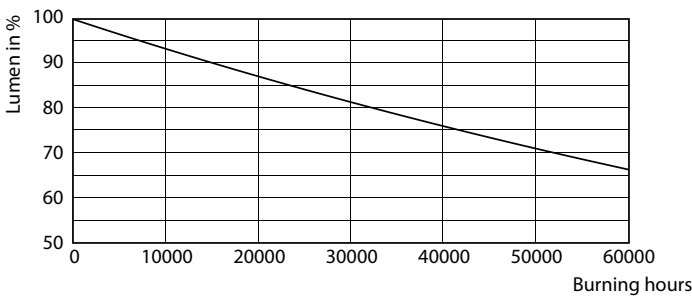
Life Expectancy Diagram - MAS LEDtube 1200mm 12W833 T8 FOOD



Life Expectancy Diagram - MAS LEDtube 1200mm 12W833 T8 FOOD



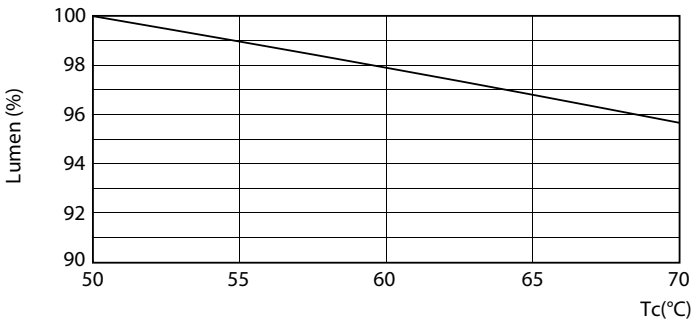
Life Expectancy Diagram - MAS LEDtube 1200mm 12W833 T8 FOOD



Lumen Maintenance Diagram - MAS LEDtube 1200mm 12W833 T8 FOOD

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Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1200mm 12W833 T8 FOOD

