



MASTER LEDtube EM/ Mains T8

MAS LEDtube 900mm 8.5W833 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. 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 ROT (Rotating) [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	833 [CCT of 3300K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	750 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3300 K

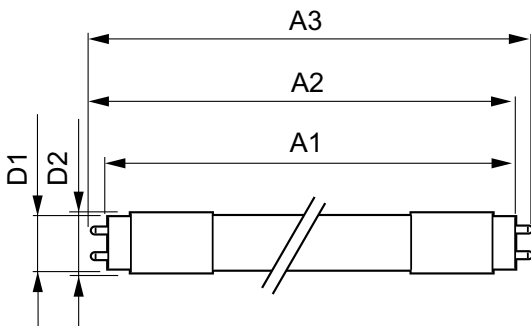
Luminous Efficacy (rated) (Nom)	88.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	8.5 W
Lamp Current (Max)	40 mA
Lamp Current (Min)	36 mA
Starting 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)	220-240 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	45 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Material	Plastic
Product Length	900 mm
Bulb Shape	Tube, double-ended
Approval and Application	
Energy Saving Product	Yes

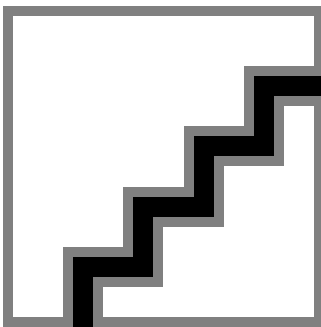
Approval Marks	CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	9 kWh
Product Data	
Order product name	MAS LEDtube 900mm 8.5W833 T8 FOOD
Full product name	MAS LEDtube 900mm 8.5W833 T8 FOOD
Full product code	871869676391900
Order code	929001812102
Material Nr. (12NC)	929001812102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696763919
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696763926

Dimensional drawing

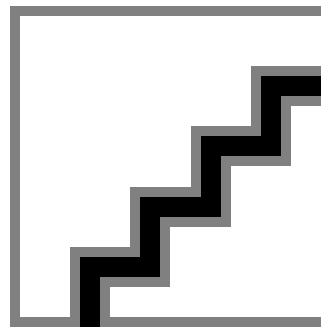


Product	D1	D2	A1	A2	A3
MAS LEDtube 900mm 8.5W833 T8 FOOD	25.7 mm	28 mm	893.3 mm	900.4 mm	907.5 mm

Photometric data



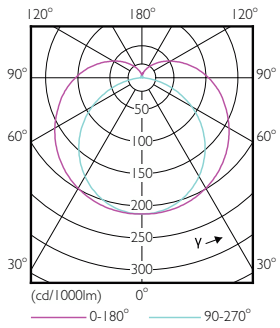
General uniform lighting - MAS LEDtube 900mm 8.5W833 T8 FOOD



Spectral Power Distribution Colour - MAS LEDtube 900mm 8.5W833 T8 FOOD

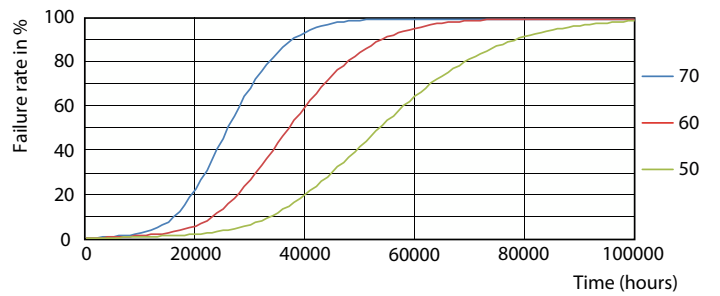
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Photometric data



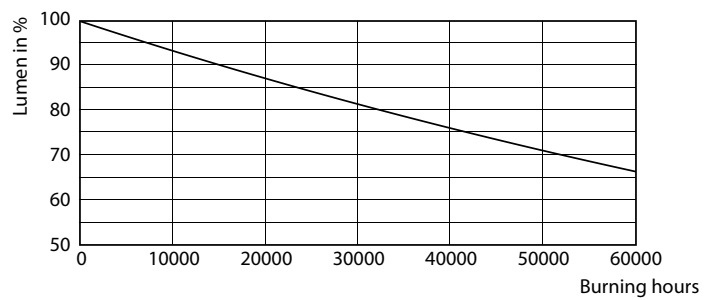
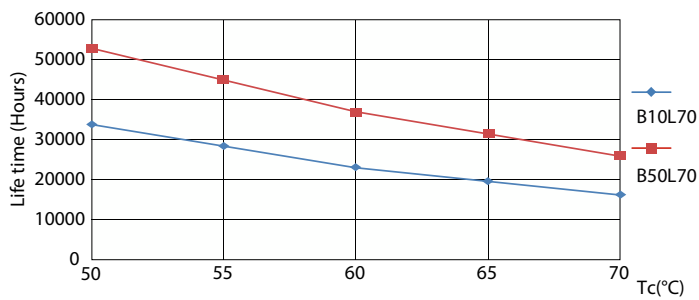
Light Distribution Diagram - MAS LEDtube 900mm 8.5W833 T8 FOOD

Lifetime



Life Expectancy Diagram - MAS LEDtube 900mm 8.5W833 T8 FOOD

Life Expectancy Diagram - MAS LEDtube 900mm 8.5W833 T8 FOOD

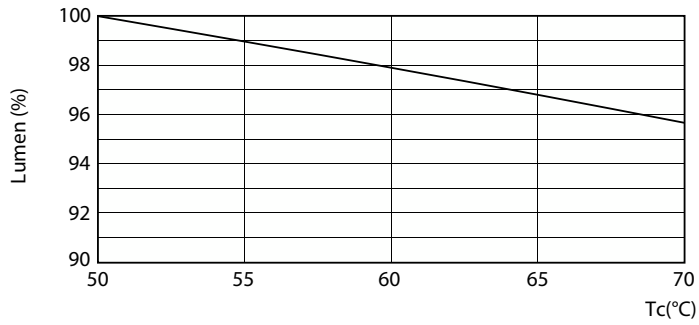


Life Expectancy Diagram - MAS LEDtube 900mm 8.5W833 T8 FOOD

Lumen Maintenance Diagram - MAS LEDtube 900mm 8.5W833 T8 FOOD

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Lifetime



Lumen Maintenance Diagram - MAS LEDtube 900mm 8.5W833 T8 FOOD

