



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1500mm 20W833 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	1,680 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3300 K

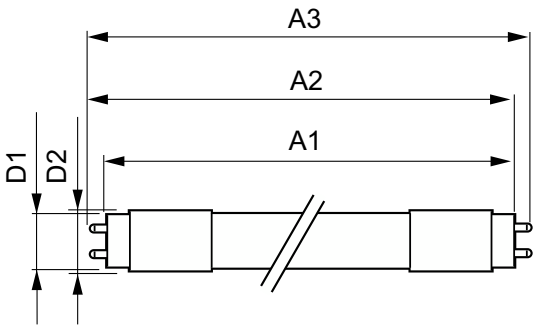
Luminous Efficacy (rated) (Nom)	84.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	20 W
Lamp Current (Max)	94 mA
Lamp Current (Min)	85 mA
Starting 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)	50 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Material	Plastic
Product Length	1,500 mm
Bulb Shape	Tube, double-ended
Approval and Application	
Energy Saving Product	Yes

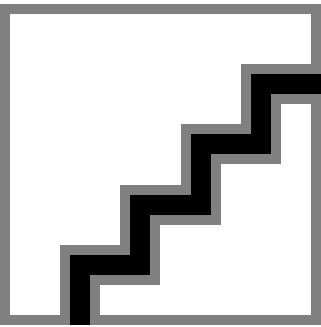
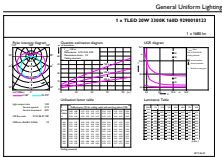
Approval Marks	CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	20 kWh
Product Data	
Order product name	MAS LEDtube 1500mm 20W833 T8 FOOD
Full product name	MAS LEDtube 1500mm 20W833 T8 FOOD
Full product code	871869676395700
Order code	929001812302
Material Nr. (12NC)	929001812302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696763957
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696763964

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm 20W833 T8 FOOD	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

Photometric data

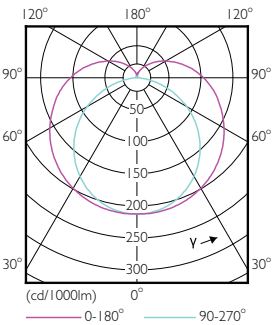


General uniform lighting - MAS LEDtube 1500mm 20W833 T8 FOOD

Spectral Power Distribution Colour - MAS LEDtube 1500mm 20W833 T8 FOOD

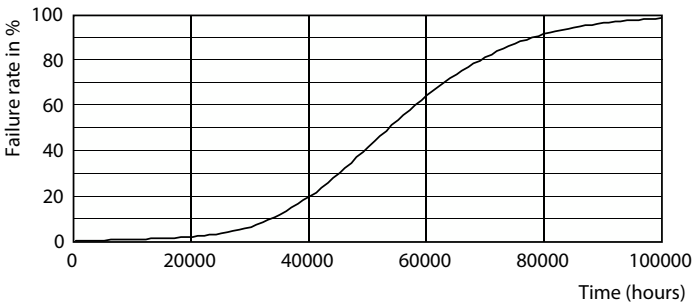
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Photometric data

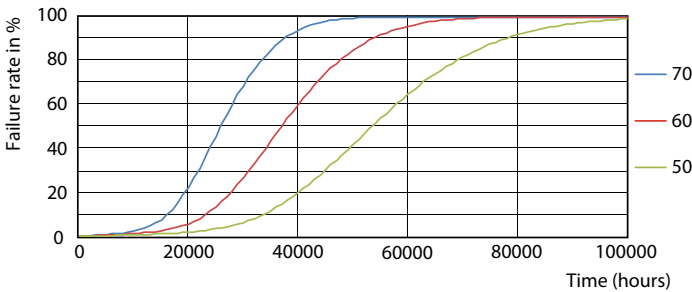


Light Distribution Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD

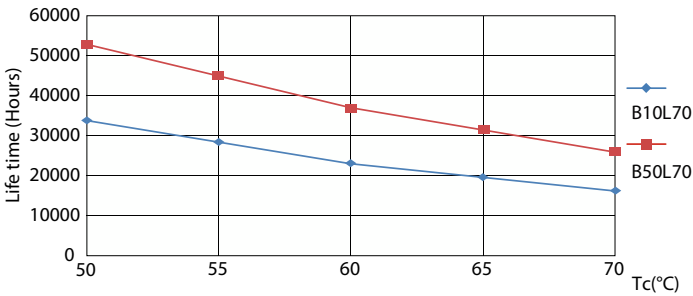
Lifetime



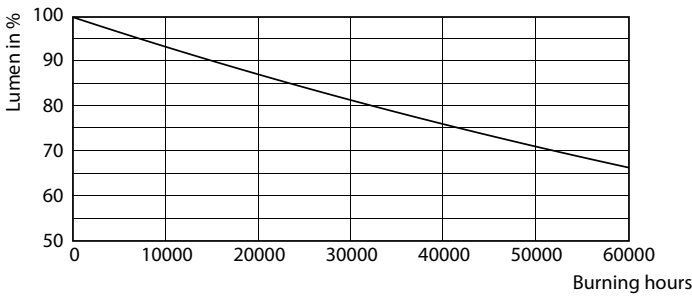
Life Expectancy Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD



Life Expectancy Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD



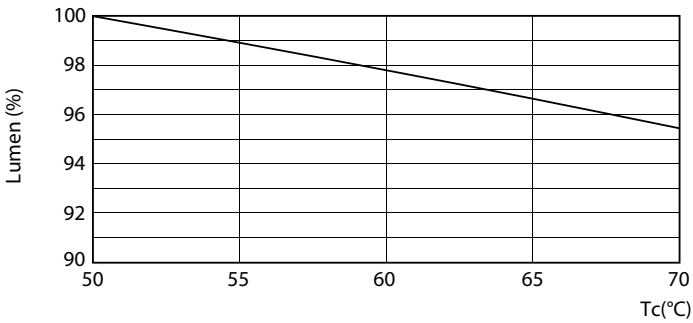
Life Expectancy Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD



Lumen Maintenance Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD

MASTER LEDtube EM/Mains T8

Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD

