

MASTER LEDtube EM/ Mains T8

MASTER 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. For those that are looking for value for money within limited budget and re-lamping efforts for better light effect and lifetime.

Warnings and Safety

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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
Voltage (Nom)	220-240 V

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	50 °C

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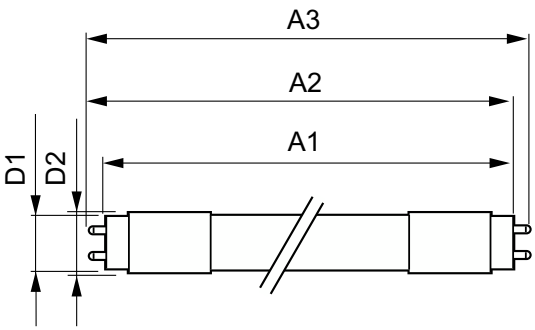
Controls and Dimming	
Dimmable	No

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

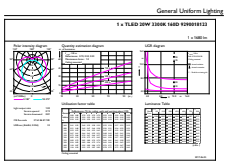
Product Data	
Order product name	MAS LEDtube 1500mm 20W833 T8 FOOD
Full product name	MASTER LEDtube 1500mm 20W833 T8 FOOD
Full product code	871869676395700
Order code	76395700
Material Nr. (12NC)	929001812302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696763957
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696763964

Dimensional drawing

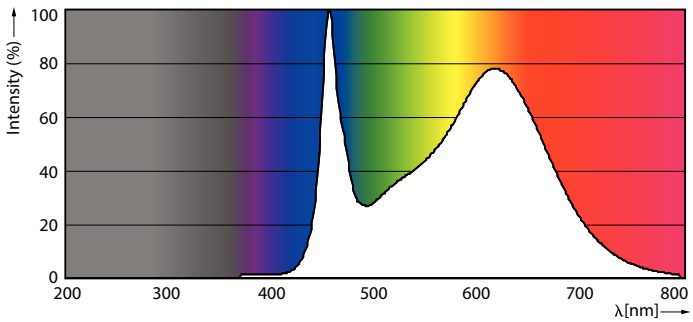


Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm 20W833 T8 FOOD	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

Photometric data



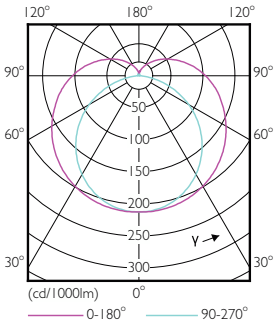
General uniform lighting - MAS LEDtube 1500mm 20W833 T8 FOOD



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

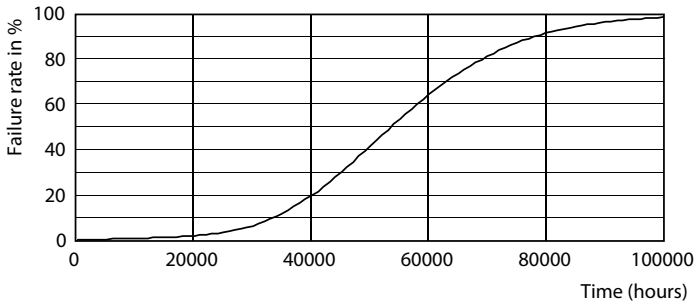
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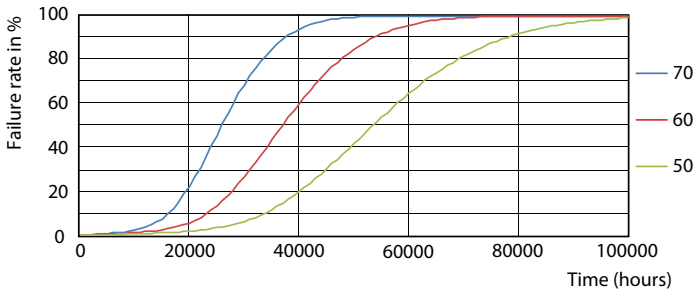


Light Distribution Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD

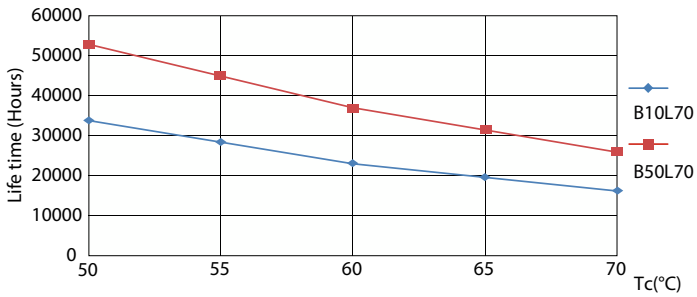
Lifetime



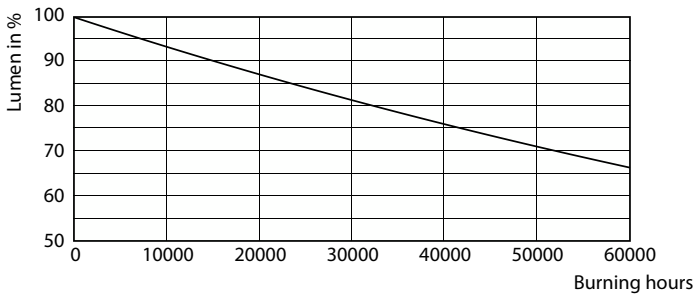
Life Expectancy Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD



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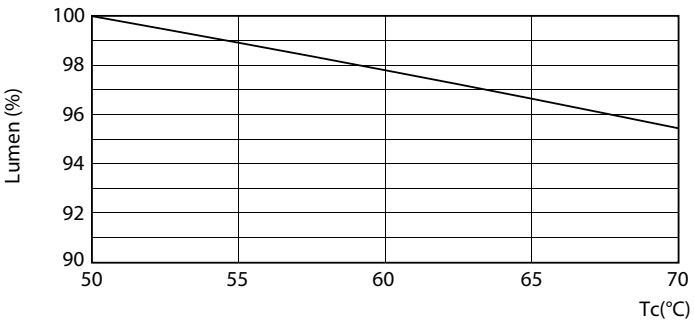
Life Expectancy Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD



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

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Lifetime



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

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