



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1500mm HO 20W840 T8

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 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Luminous Flux	3,100 lm
Correlated Color Temperature (Nom)	4000 K
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)	86 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

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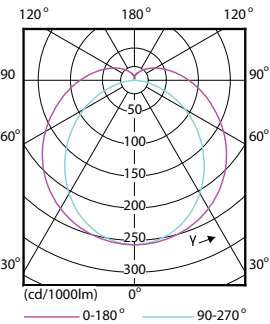
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	60 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1,500 mm
Approval and Application	
Energy Saving Product	Yes
Approval Marks	CE marking RoHS compliance KEMA Keur certificate

Energy Consumption kWh/1000 h	20 kWh
Product Data	
Order product name	MAS LEDtube 1500mm HO 20W840 T8
Full product name	MAS LEDtube 1500mm HO 20W840 T8
Full product code	871869668714700
Order code	929001298702
Material Nr. (12NC)	929001298702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696687147
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696687154

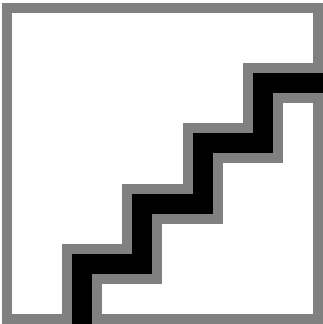
Dimensional drawing

Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm HO 20W840 T8	25.78 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

Photometric data



Light Distribution Diagram - MAS LEDtube 1500mm HO 20W840 T8



General uniform lighting - MAS LEDtube 1500mm HO 20W840 T8

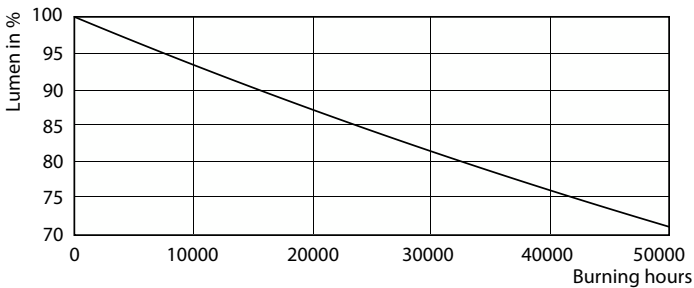
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Spectral Power Distribution Colour - MAS LEDtube 1500mm HO 20W840 T8

Lifetime



Life Expectancy Diagram - MAS LEDtube 1500mm HO 20W840 T8

Lumen Maintenance Diagram - MAS LEDtube 1500mm HO 20W840 T8

