



MASTER LEDtube EM/ Mains

MASTER 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. 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 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 h
Switching Cycle	200,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Colour Code	840 [CCT of 4000K]
Luminous Flux	3,100 lm
Correlated Colour Temperature	4000 K
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

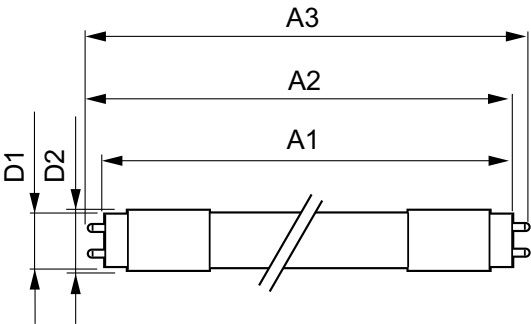
Power Consumption	20 W
Lamp current (max.)	94 mA
Lamp current (min.)	86 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	220–240 V
Temperature	
Ambient temperature range	–20°C to 45°C
T-Case maximum (nom.)	60 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product length	1,500 mm

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Approval and Application	
Energy-saving product	Yes
Approval marks	CE marking RoHS compliance KEMA Keur certificate
Energy consumption kWh/1,000 hours	20 kWh
Product Data	
Order product name	MAS LEDtube 1500mm HO 20W840 T8
Full product name	MASTER LEDtube 1500mm HO 20W840 T8

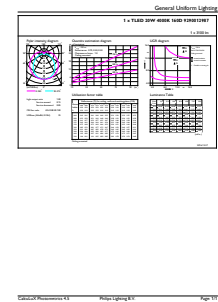
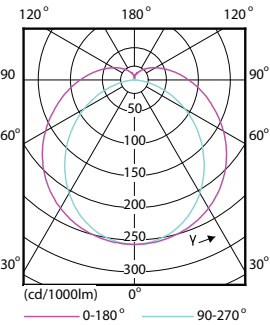
Full EOC	871869668714700
Order code	68714700
Material no. (12 NC)	929001298702
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696687147
Numerator – packs per outer box	10
EAN/UPC – Case	8718696687154

Dimensional drawing



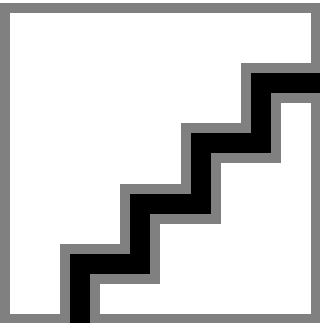
Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm HO 20W840 T8	25.78 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

Photometric data



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

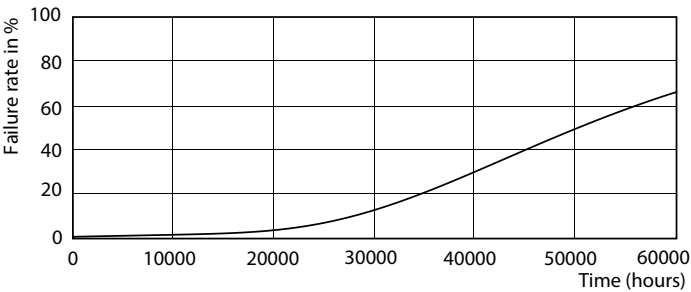
General uniform lighting – MAS LEDtube 1500mm HO 20W840 T8



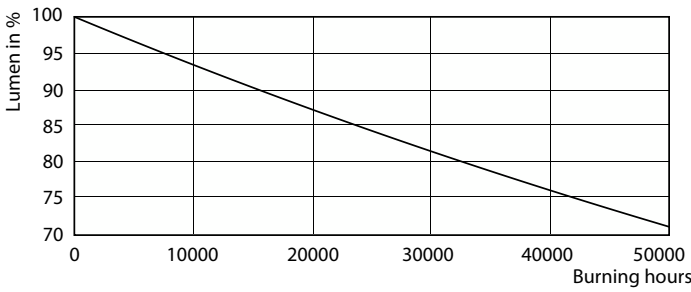
Spectral Power Distribution Colour – MAS LEDtube 1500mm HO 20W840 T8

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Lifetime



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



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

