PHILIPS

Lighting



MASTER LEDtube EM/ Mains T8

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. 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 [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

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	60 °C

Controls and Dimming	
Dimmable	No

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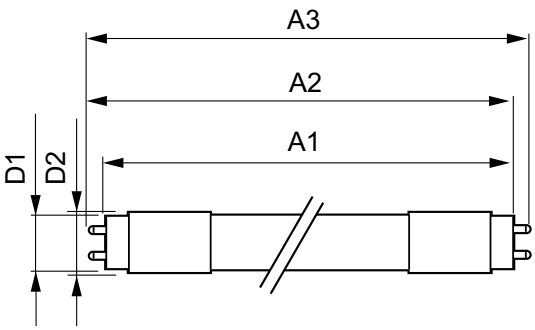
Mechanical and Housing	
Product Length	1,500 mm

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

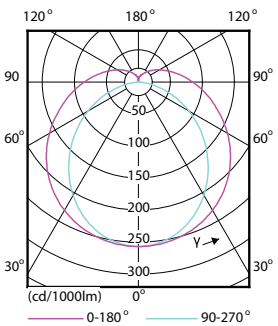
Full product name	MASTER LEDtube 1500mm HO 20W840 T8
Full product code	871869668714700
Order code	68714700
Material Nr. (12NC)	929001298702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696687147
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696687154

Dimensional drawing

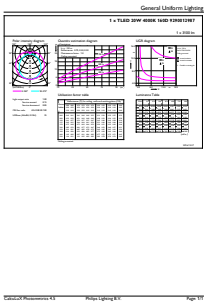


Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm HO 20W840 T8	25.78 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

Photometric data



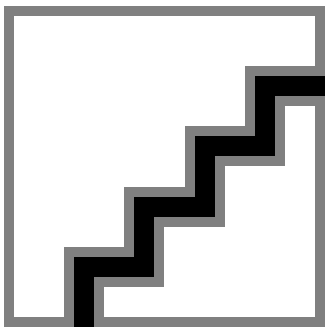
Light Distribution Diagram - MAS LEDtube 1500mm HO 20W840 T8



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

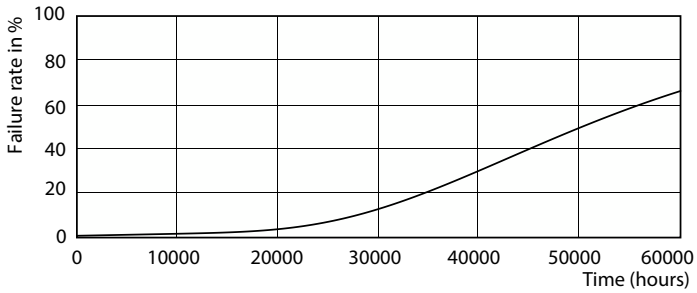
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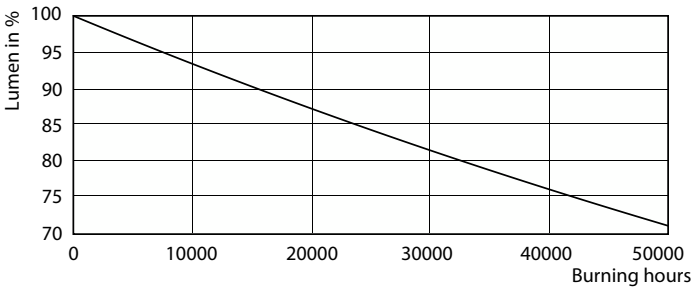


Spectral Power Distribution Colour - MAS LEDtube 1500mm HO 20W840 T8

Lifetime



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



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

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