PHILIPS

Lighting

MASTER LEDtube InstantFit HF T8

MASTER LEDtube HF 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. The MASTER LEDtube Performance is the ideal solution for customers which have higher light requirements and the want to maximize value over lifetime.(need the longest lifetime). Full energy savings and TCO benefits.

Warnings and Safety

- NOTES: The overall energy efficiency and light distribution of any installation that uses these lamps are determined by the design of the installation.

Product data

General Information	
Cap-Base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]
Nominal lifetime	60,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	3,100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	155.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	20000-75000 Hz
Input Frequency	20000-75000 Hz
Power Consumption	20 W
Lamp Current (Max)	750 mA
Lamp Current (Min)	300 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)	30-80 V

Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	55 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Material	Plastic
Product Length	1,500 mm
Bulb Shape	T8

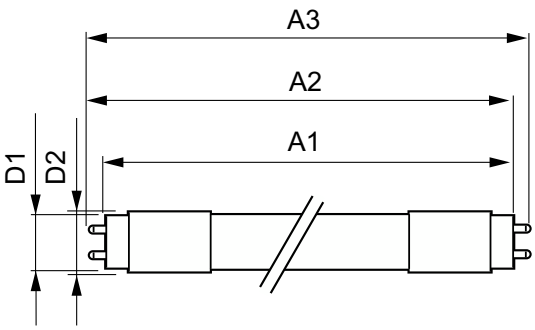
Approval and Application

Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	387370

Product Data

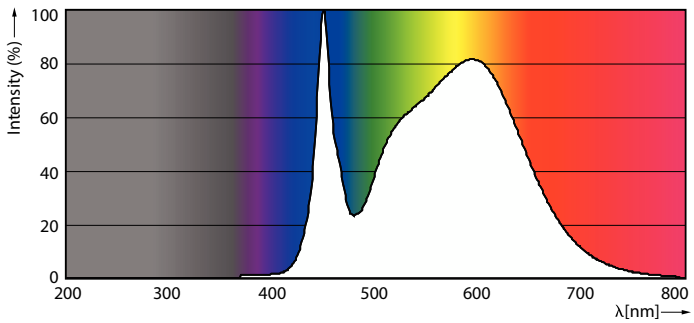
Order product name	MAS LEDtube HF 1500mm HO 20W840 T8
Full product name	MASTER LEDtube HF 1500mm HO 20W840 T8
Full product code	871869668754300
Order code	68754300
Material Nr. (12NC)	929001284402
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696687543
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696687550

Dimensional drawing

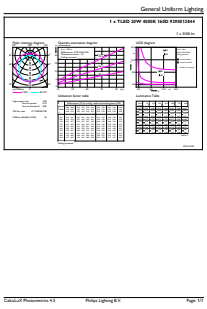


Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1500mm HO 20W840 T8	25.6 mm	28 mm	1,498.7 mm	1,505.8 mm	1,512.9 mm

Photometric data



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



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

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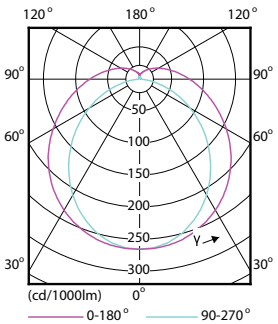
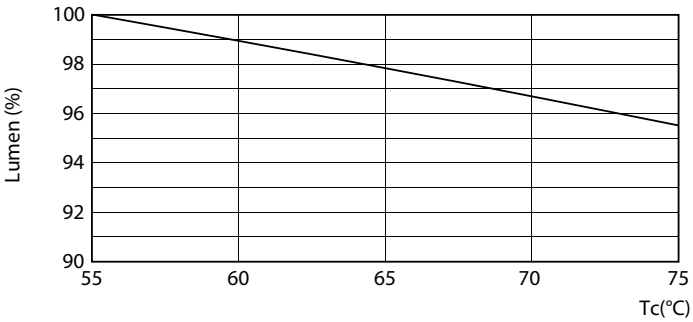
Photometric data

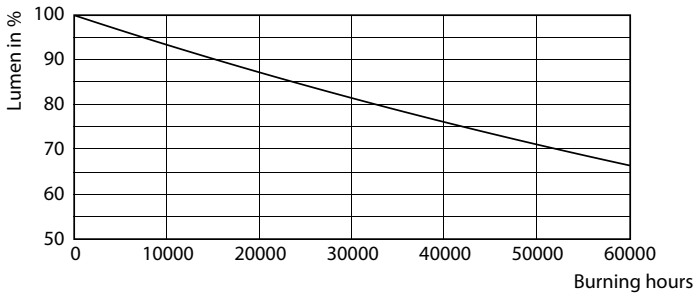


Light Distribution Diagram - MAS LEDtube HF 1500mm HO 20W840 T8

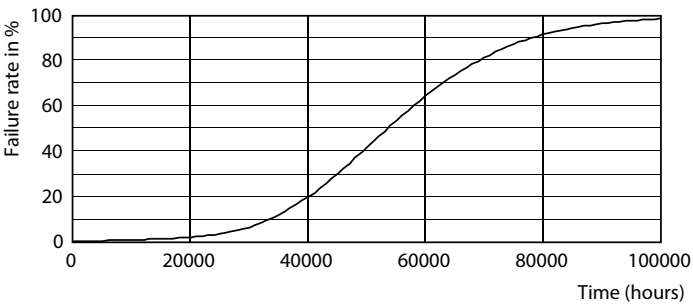
Lifetime



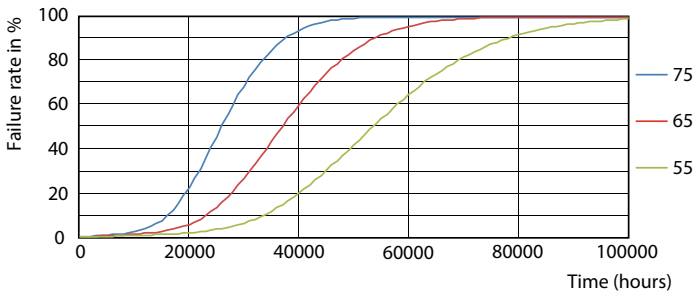
Lumen Maintenance Diagram - MAS LEDtube HF 1500mm HO 20W840 T8



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



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



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

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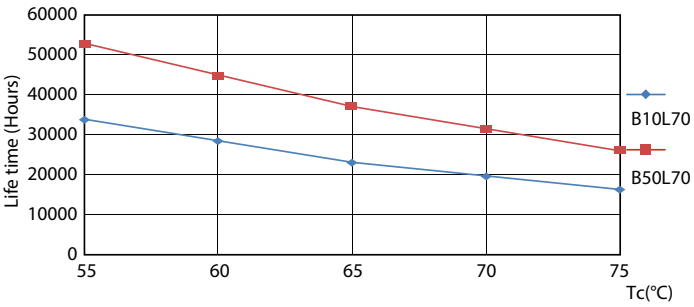
Lifetime



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

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