



MASTER LEDtube InstantFit HF T8



MAS LEDtube HF 1500mm HO 20W840 T8

Philips MASTER LEDtube InstantFit T8 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. Philips MASTER LEDtube InstantFit T8 is the ideal solution for customers who have higher light requirements and want to maximize value over lifetime. Full energy savings & longer lifetime result in attractive payback times 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	
Lighting Technology	LED
Flux measurement reference	Sphere
Switching Cycle	50,000
Nominal lifetime	60,000 hour(s)
Cap-Base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	3,100 lumen
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	155.00 lm/W

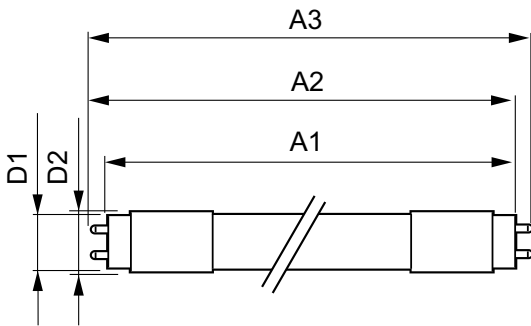
Color Consistency	<6
Color rendering index (CRI)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	20000-75000 Hz
Input Frequency	20000-75000 Hz
Power Consumption	20 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	30-80 V
Temperature	
Ambient temperature range	-20 °C to 45 °C

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T-Case Maximum (Nom)	55 °C
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 Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	20 kWh

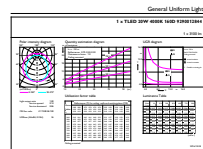
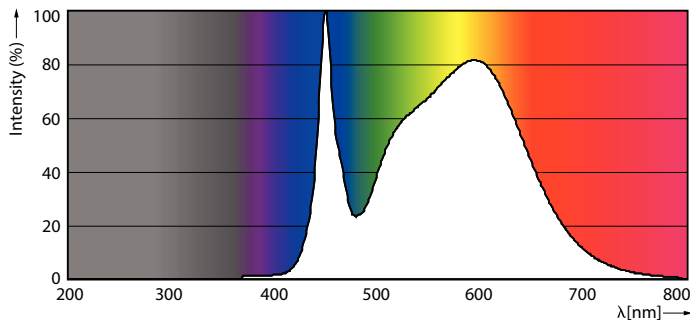
EPREL Registration Number	387370
CE mark	Yes
EU RoHS compliant	Yes
Product Data	
Full product code	871869668754300
Order product name	MAS LEDtube HF 1500mm HO 20W840 T8
Order code	929001284402
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929001284402
Full product name	MAS LEDtube HF 1500mm HO 20W840 T8
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

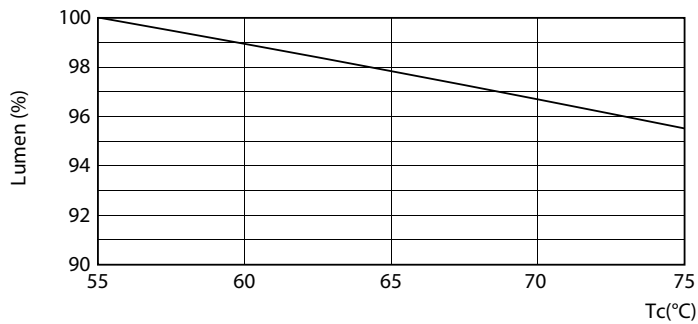
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Photometric data

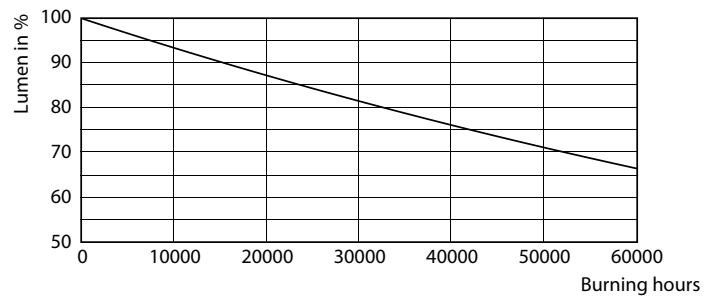


Light Distribution Diagram - MAS LEDtube HF 1500mm HO 20W840 T8

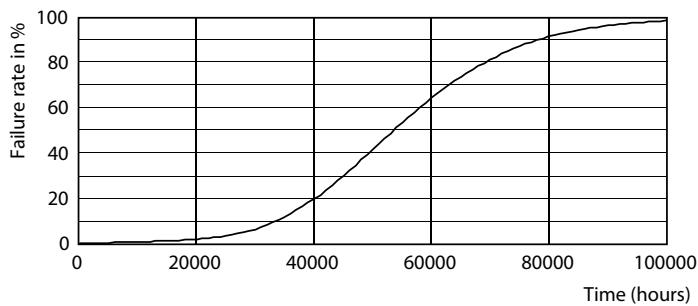
Lifetime



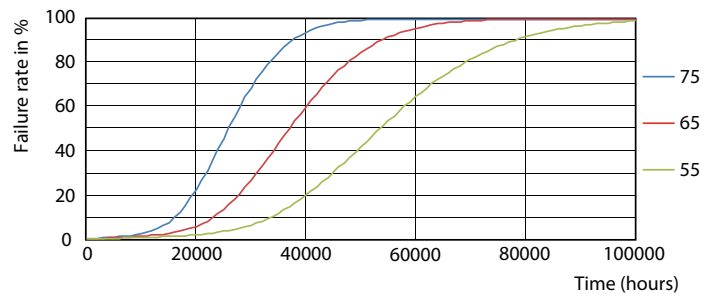
Lumen Maintenance Diagram - MAS LEDtube HF 1500mm HO 20W840 T8



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



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



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Lifetime



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

