



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1500mm 31W840 T8 TW

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]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	5,200 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	167 lm/W

Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

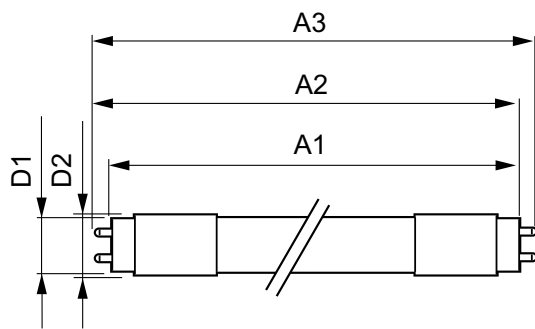
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	31 W
Lamp Current (Max)	140 mA
Lamp Current (Min)	120 mA
Starting Time (Nom)	0.9 s
Warm-up time to 60% light	0.9 s
Power Factor (Fraction)	0.9

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Voltage (Nom)	220-277 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	65 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,500 mm
Bulb Shape	T8
Approval and Application	
Energy Saving Product	Yes

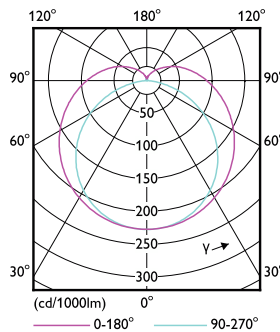
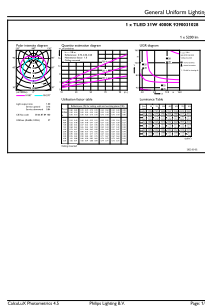
Approval Marks	RoHS compliance
Product Data	
Order product name	MAS LEDtube 1500mm 31W840 T8 TW
Full product name	MAS LEDtube 1500mm 31W840 T8 TW
Full product code	871951439953200
Order code	929003102808
Material Nr. (12NC)	929003102808
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514399532
Numerator - Packs per outer box	20
EAN/UPC - Case	8719514399549

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm 31W840 T8 TW	25.6 mm	27.9 mm	1,500 mm	1,506 mm	1,514 mm

Photometric data

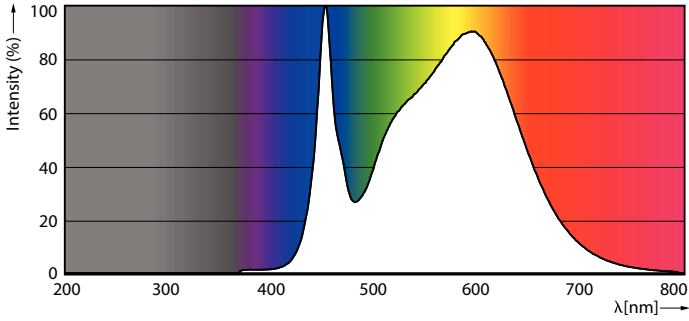


General uniform lighting - MAS LEDtube 1500mm 31W840 T8 TW

Light Distribution Diagram - MAS LEDtube 1500mm 31W840 T8 TW

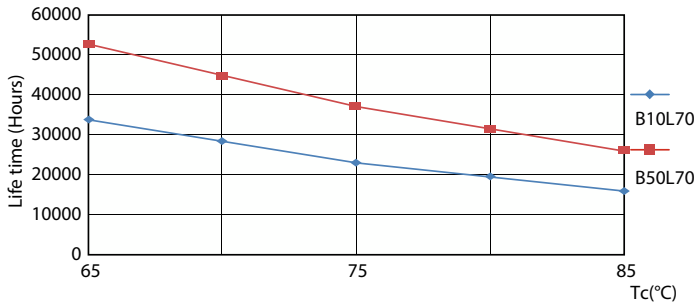
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Photometric data

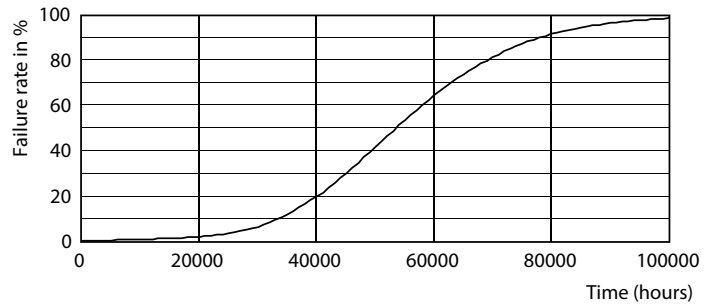


Spectral Power Distribution Colour - MAS LEDtube 1500mm 31W840 T8 TW

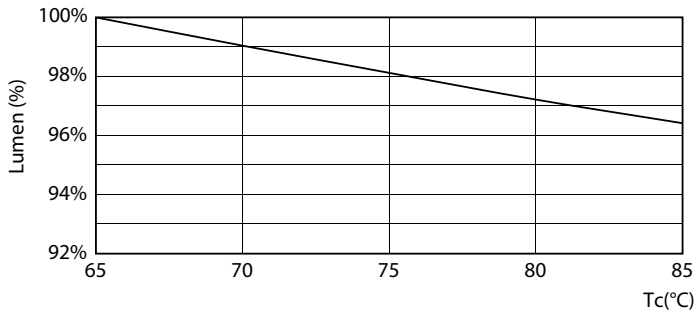
Lifetime



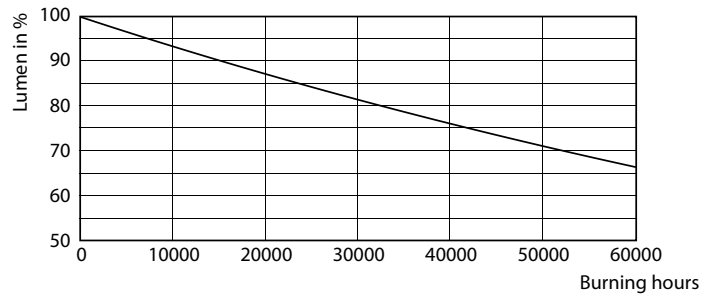
Life Expectancy Diagram - MAS LEDtube 1500mm 31W840 T8 TW



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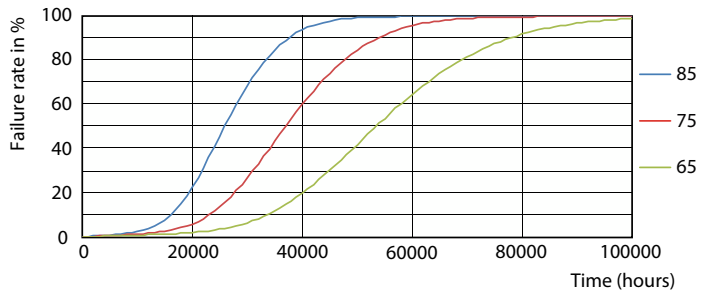
Lumen Maintenance Diagram - MAS LEDtube 1500mm 31W840 T8 TW



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Lifetime



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