PHILIPS

Lighting



MASTER LEDtube EM/ Mains T8

MAS LEDtube Sensor 1500mm HO 24W840 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. 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)	240 degree(s)
Luminous Flux	3,100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	129.00 lm/W
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	24 W
Lamp Current (Max)	118 mA
Lamp Current (Min)	98 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)	220-240 V

Temperature

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

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Bulb Material	Glass
Product Length	1,500 mm
Bulb Shape	Tube, double-ended

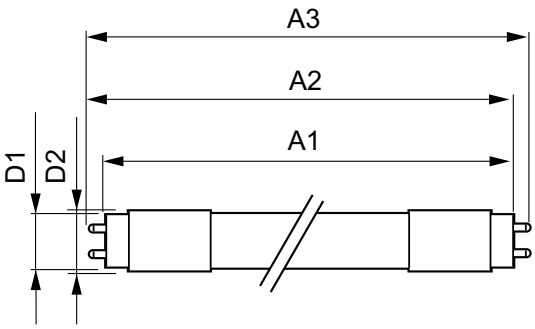
Approval and Application

Energy Saving Product	Yes
Approval Marks	CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	24 kWh

Product Data

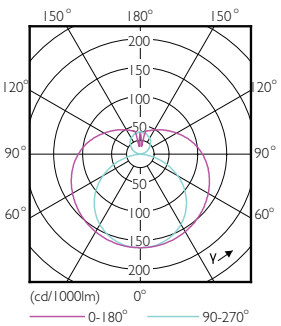
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Full product name	MAS LEDtube Sensor 1500mm HO 24W840 T8
Full product code	871869680606700
Order code	929001878702
Material Nr. (12NC)	929001878702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696806067
Numerator - Packs per outer box	10
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Dimensional drawing

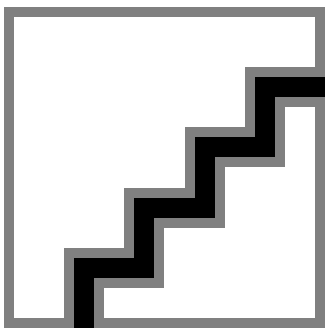


Product	D1	D2	A1	A2	A3
MAS LEDtube Sensor 1500mm HO 24W840 T8	25.8 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

Photometric data



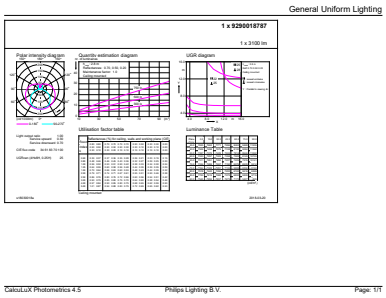
Light Distribution Diagram - MAS LEDtube Sensor 1500mm HO 24W840 T8



Spectral Power Distribution Colour - MAS LEDtube Sensor 1500mm HO 24W840 T8

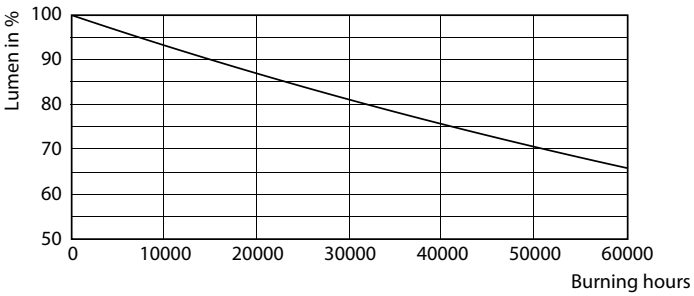
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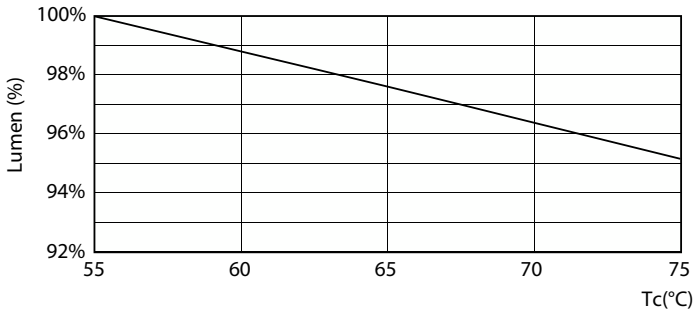
Photometric data



General uniform lighting - MAS LEDtube Sensor 1500mm HO 24W840 T8

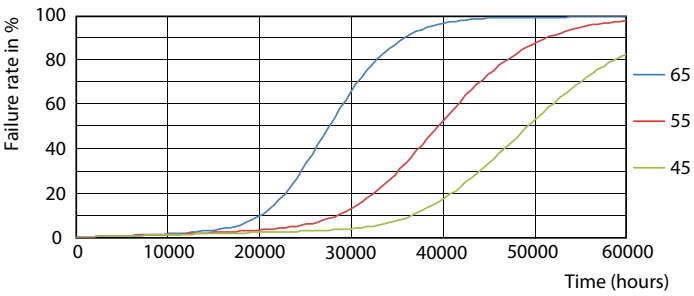
Lifetime

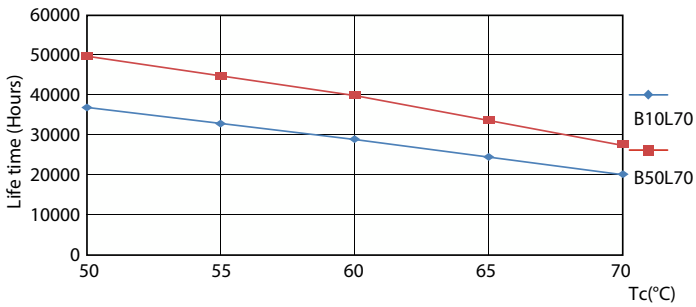




Lumen Maintenance Diagram - MAS LEDtube Sensor 1500mm HO 24W840 T8

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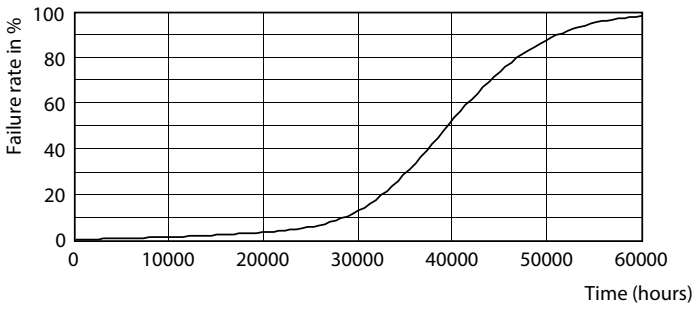


Life Expectancy Diagram - MAS LEDtube Sensor 1500mm HO 24W840 T8

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Lifetime



Life Expectancy Diagram - MAS LEDtube Sensor 1500mm HO 24W840 T8

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