PHILIPS

Lighting

MASTER LEDtube EM/ Mains

MASTER LEDtube Sensor 1200mm HO 16.5W865 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. This product is the ideal solution for up lamping in general lighting applications.

Warnings and Safety

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Product data

General Information	
Cap base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 h
Switching Cycle	200,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Colour Code	865 [CCT of 6500K]
Beam angle (nom.)	240 degree(s)
Luminous Flux	2,100 lm
Colour designation	Cool Daylight
Correlated Colour Temperature	6500 K
Luminous efficacy (rated) (nom.)	127.00 lm/W
Colour consistency	<6
Colour 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	16.5 W
Lamp current (max.)	85 mA
Lamp current (min.)	65 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

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T-Case maximum (nom.)	55 °C

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Bulb material	Glass
Product length	1,200 mm
Bulb shape	Tube, double-ended

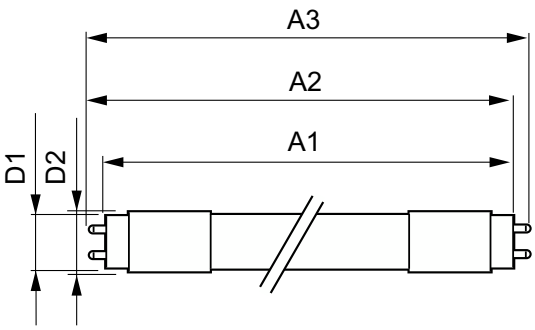
Approval and Application

Energy-saving product	Yes
Approval marks	CE marking RoHS compliance KEMA Keur certificate
Energy consumption kWh/1,000 hours	17 kWh

Product Data

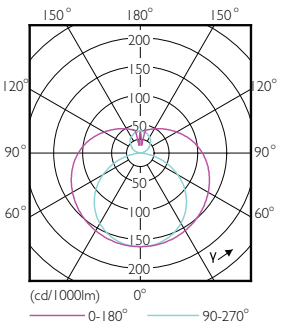
Order product name	MAS LEDtube Sensor 1200mm HO 16.5W865 T8
Full product name	MASTER LEDtube Sensor 1200mm HO 16.5W865 T8
Full EOC	871869680604300
Order code	80604300
Material no. (12 NC)	929001878602
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696806043
Numerator – packs per outer box	10
EAN/UPC - Case	8718696806050

Dimensional drawing

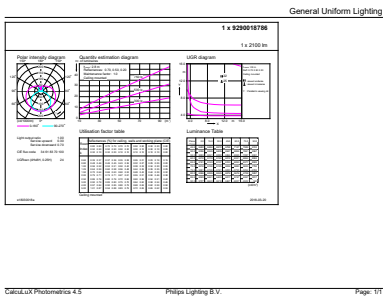


Product	D1	D2	A1	A2	A3
MAS LEDtube Sensor 1200mm HO 16.5W865 T8	25.8 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

Photometric data



Light Distribution Diagram - MAS LEDtube Sensor 1200mm HO 16.5W865 T8



General uniform lighting - MAS LEDtube Sensor 1200mm HO 16.5W865 T8

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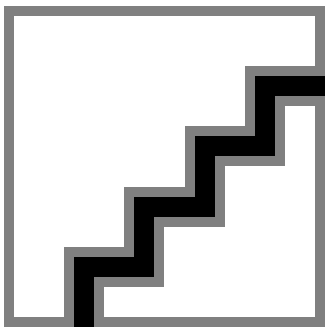
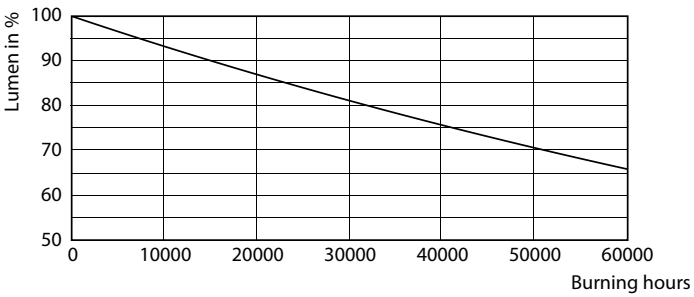
Photometric data

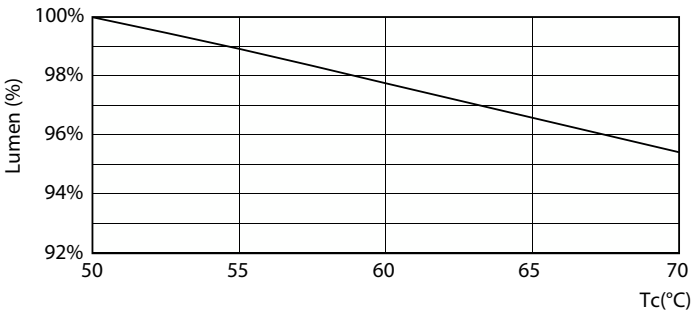


Spectral Power Distribution Colour - MAS LEDtube Sensor 1200mm HO 16.5W865 T8

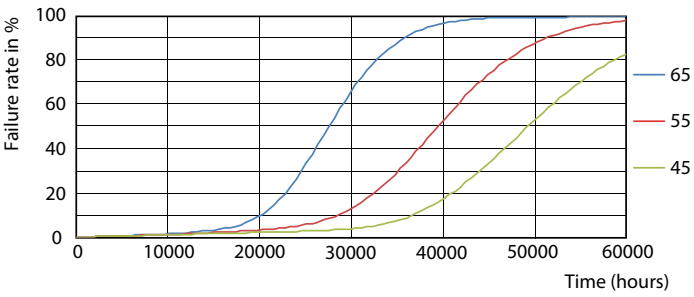
Lifetime



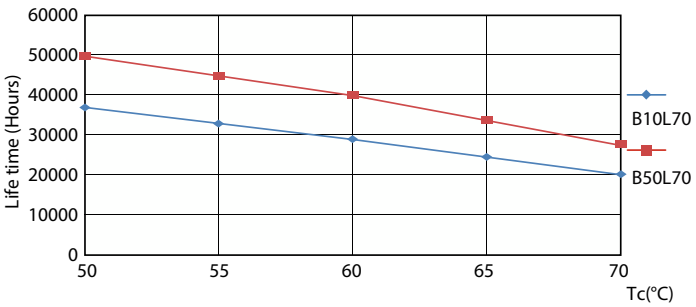
Lumen Maintenance Diagram - MAS LEDtube Sensor 1200mm HO 16.5W865 T8



Lumen Maintenance Diagram - MAS LEDtube Sensor 1200mm HO 16.5W865 T8



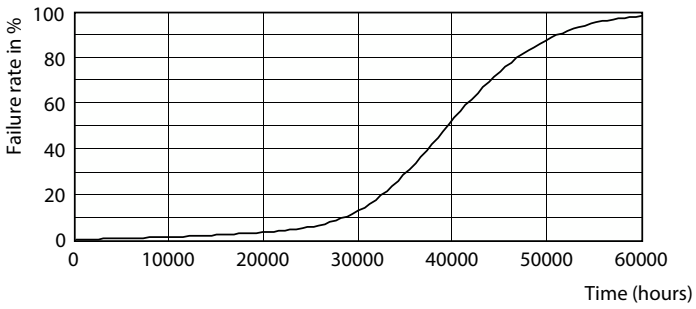
Life Expectancy Diagram - MAS LEDtube Sensor 1200mm HO 16.5W865 T8



Life Expectancy Diagram - MAS LEDtube Sensor 1200mm HO 16.5W865 T8

MASTER LEDtube EM/Mains

Lifetime



Life Expectancy Diagram - MAS LEDtube Sensor 1200mm HO 16.5W865 T8

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