



MASTER LEDtube EM/ Mains

MASTER LEDtube Sensor 1200mm HO 16.5W840 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 lighting in general lighting applications.

Warnings and Safety

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Product data

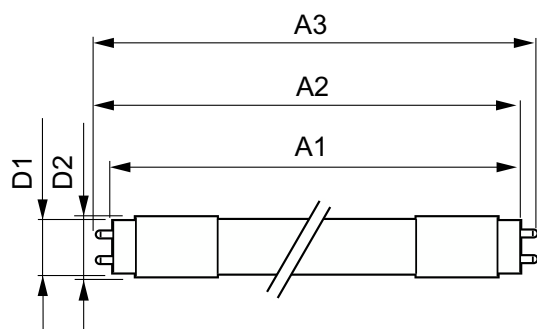
General Information	
Cap base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 h
Switching Cycle	200,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	240 degree(s)
Luminous Flux	2,100 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 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

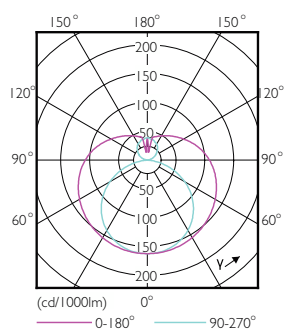
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T-Case maximum (nom.)	55 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb material	Glass
Product length	1,200 mm
Bulb shape	Tube, double-ended
Approval and Application	
Energy-saving product	Yes
Approval marks	CE marking RoHS compliance KEMA Keur certificate
Energy consumption kWh/1,000 hours	17 kWh

Dimensional drawing



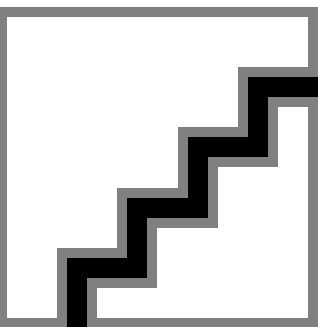
Photometric data



Light Distribution Diagram - MAS LEDtube Sensor 1200mm HO 16.5W840 T8

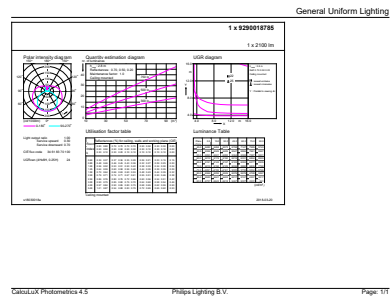
Product Data	
Order product name	MAS LEDtube Sensor 1200mm HO 16.5W840 T8
Full product name	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8
Full EOC	871869680602900
Order code	80602900
Material no. (12 NC)	929001878502
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696806029
Numerator – packs per outer box	10
EAN/UPC - Case	8718696806036

Product	D1	D2	A1	A2	A3
MAS LEDtube Sensor 1200mm HO 16.5W840 T8	25.8 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm



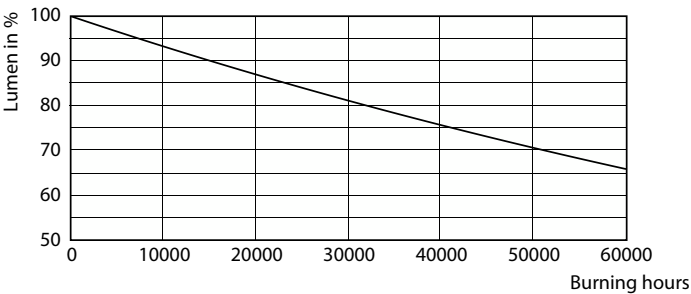
Spectral Power Distribution Colour - MAS LEDtube Sensor 1200mm HO 16.5W840 T8

Photometric data

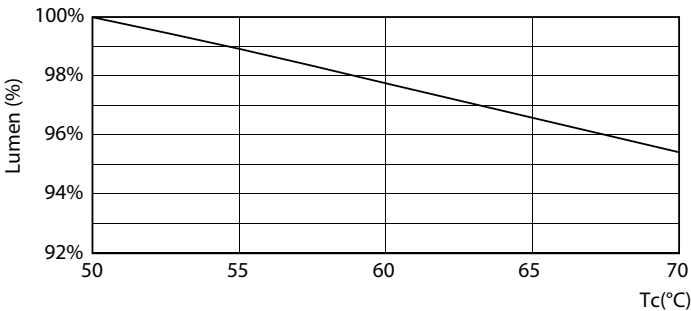


General uniform lighting - MAS LEDtube Sensor 1200mm HO 16.5W840 T8

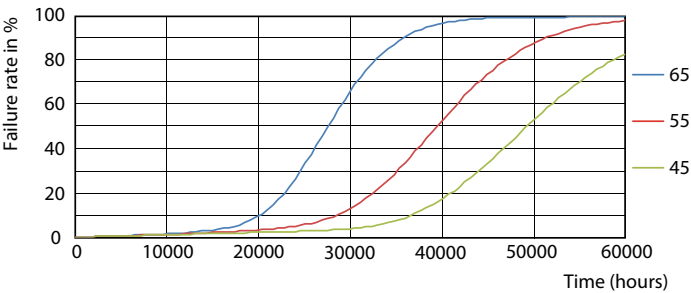
Lifetime



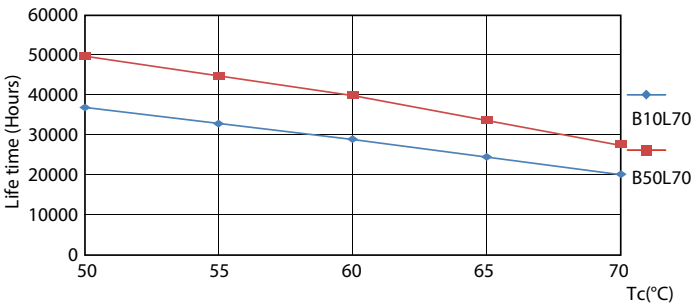
Lumen Maintenance Diagram - MAS LEDtube Sensor 1200mm HO 16.5W840 T8



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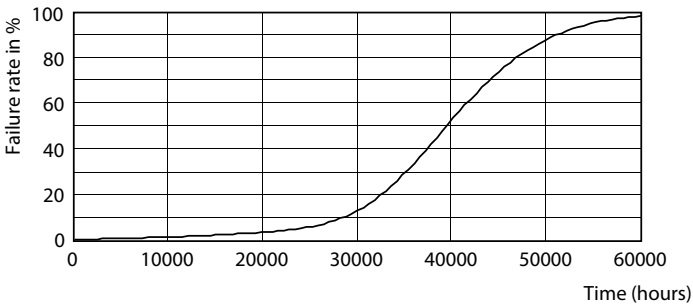
Life Expectancy Diagram - MAS LEDtube Sensor 1200mm HO 16.5W840 T8



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Lifetime



Life Expectancy Diagram - MAS LEDtube Sensor 1200mm HO 16.5W840 T8

