



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1200mm HO VWV 18W 840 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

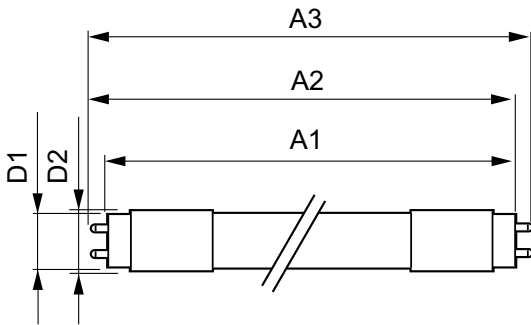
General Information		Color rendering index (CRI)		80	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	LLMF At End Of Nominal Lifetime (Nom) 70 %			
Nominal lifetime	60,000 hour(s)				
Switching Cycle	200,000				
Lighting Technology	LED				
Light Technical		Operating and Electrical			
Color Code	840 [CCT of 4000K]	Line Frequency	50 to 60 Hz		
Beam Angle (Nom)	190 degree(s)	Input Frequency	50 to 60 Hz		
Luminous Flux	2,100 lumen	Power Consumption	18 W		
Color Designation	Cool White (CW)	Starting Time (Nom)	0.5 s		
Correlated Color Temperature (Nom)	4000 K	Warm-up time to 60% light	0.5 s		
Luminous Efficacy (rated) (Nom)	116 lm/W	Power Factor (Fraction)	0.9		
Color Consistency	<6	Voltage (Nom)	100-277 V		
		Temperature			
		Ambient temperature range	-20 °C to 45 °C		

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T-Case Maximum (Nom)	50 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	Tube, double-ended
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate KEMA Keur certificate

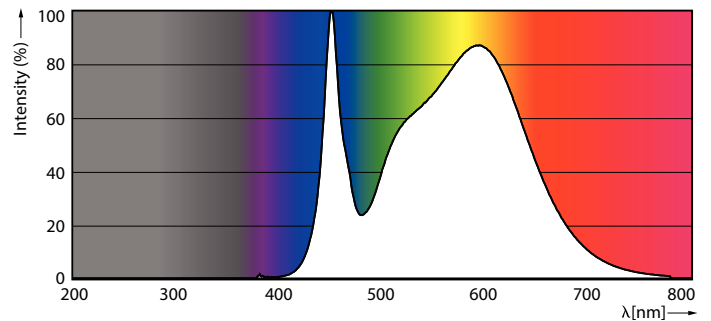
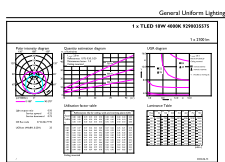
EU RoHS compliant	Yes
Product Data	
Full product code	871951446925900
Order product name	MAS LEDtube 1200mm HO VWV 18W 840 T8
Order code	929003557512
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material number (12NC)	929003557512
Full product name	MAS LEDtube 1200mm HO VWV 18W 840 T8
EAN/UPC - Case	8719514469266

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO VWV 18W 840 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data

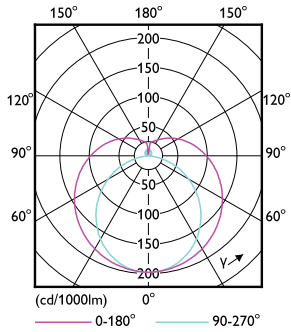


General uniform lighting - MAS LEDtube 1200mm HO VWV 18W 840 T8

Spectral Power Distribution Colour

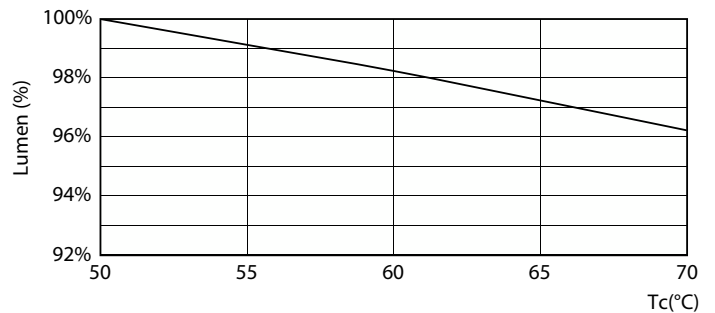
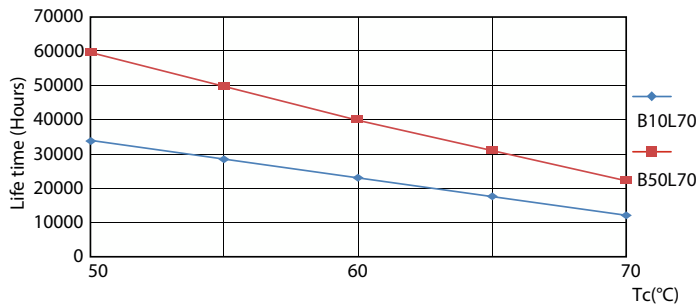
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Photometric data



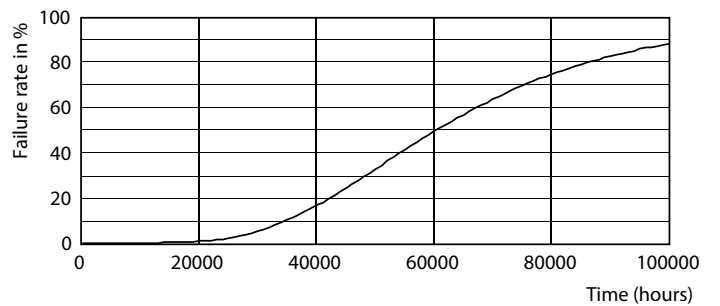
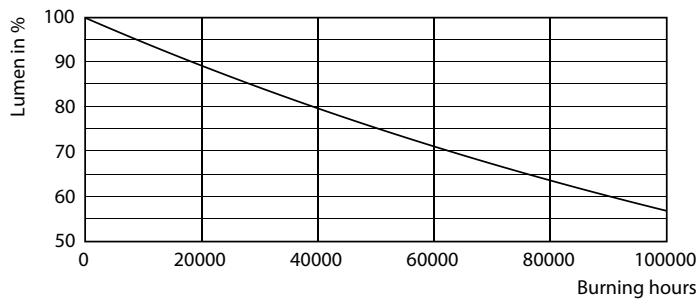
Light Distribution Diagram

Lifetime



Life Expectancy Diagram - MAS LEDtube 1200mm HO VWV 18W 840 T8

Lumen Maintenance Diagram

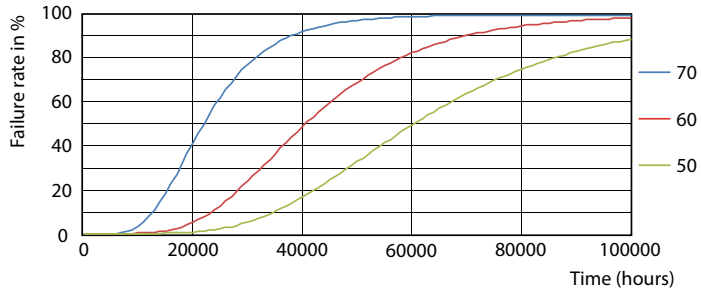


Lumen Maintenance Diagram - MAS LEDtube 1200mm HO VWV 18W 840 T8

Life Expectancy Diagram - MAS LEDtube 1200mm HO VWV 18W 840 T8

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Lifetime



Life Expectancy Diagram - MAS LEDtube 1200mm HO VWV 18W 840 T8

