



MASTER LEDtube InstantFit HF T5

MAS LEDtube HF 1200mm HE 16.5W 830 T5

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 T5 lighting 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 make these T5 LED tubes the choice for every demanding application.

Product data

General Information		LLMF At End Of Nominal Lifetime (Nom)		70 %
Cap-Base	G5 [G5]	Photobiological safety according to EN 62471 RGO		
Nominal lifetime	60,000 hour(s)	Operating and Electrical		
Switching Cycle	50,000	Line Frequency	30K to 100K Hz	
Lighting Technology	LED	Input Frequency	30K to 100K Hz	
Flux measurement reference	Sphere	Power Consumption	16.5 W	
CE mark	Yes	Starting Time (Nom)	0.5 s	
EU RoHS compliant	Yes	Warm-up time to 60% light	0.5 s	
Light Technical		Power Factor (Fraction)	0.92	
Color Code	830 [CCT of 3000K]	Voltage (Nom)	70-120 V	
Beam Angle (Nom)	200 degree(s)	LED alternative to fluorescent lamp power	28 W	
Luminous Flux	2,300 lumen	Temperature		
Color Designation	White (WH)	Ambient temperature range	-20 °C to 45 °C	
Correlated Color Temperature (Nom)	3000 K	T-Case Maximum (Nom)	65 °C	
Luminous Efficacy (rated) (Nom)	139.00 lm/W			
Color Consistency	<6			
Color rendering index (CRI)	80			

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Controls and Dimming

Dimmable	Yes - Check ballast compatibility
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	Tube, double-ended

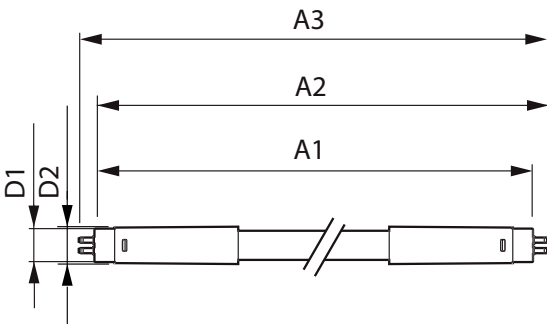
Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	17 kWh
EPREL Registration Number	1384134

Product Data

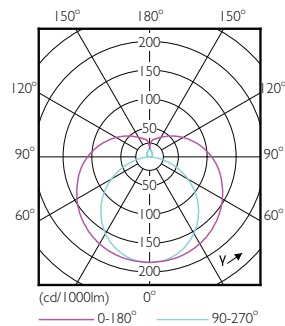
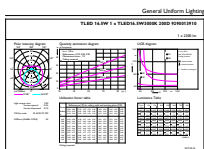
Full product code	871869674329400
Order product name	MAS LEDtube HF 1200mm HE 16.5W 830 T5
Order code	929001391002
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001391002
Full product name	MAS LEDtube HF 1200mm HE 16.5W 830 T5
EAN/UPC - Case	8718696743300
EAN/UPC - Product/Case	8718696743294

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1200mm HE 16.5W 830 T5	15.5 mm	18.8 mm	1,149 mm	1,156.1 mm	1,163.2 mm

Photometric data

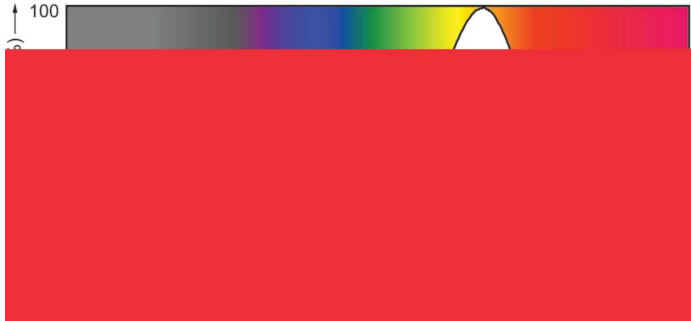


General uniform lighting - MAS LEDtube HF 1200mm HE 16.5W 830 T5

Light Distribution Diagram - MAS LEDtube HF 1200mm HE 16.5W 830 T5

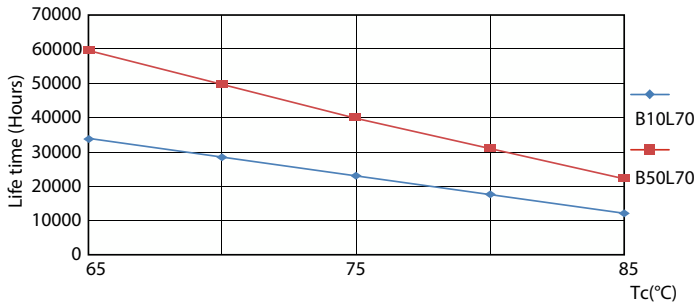
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Photometric data

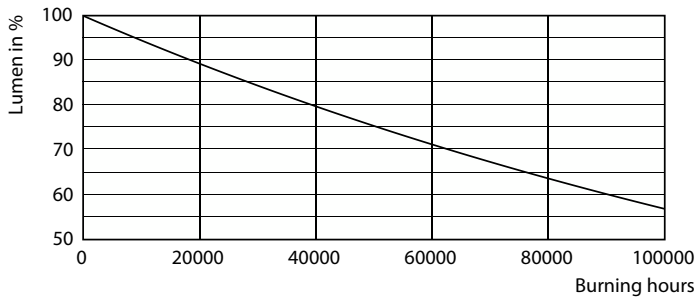


Spectral Power Distribution Colour - MAS LEDtube HF 1200mm HE 16.5W 830 T5

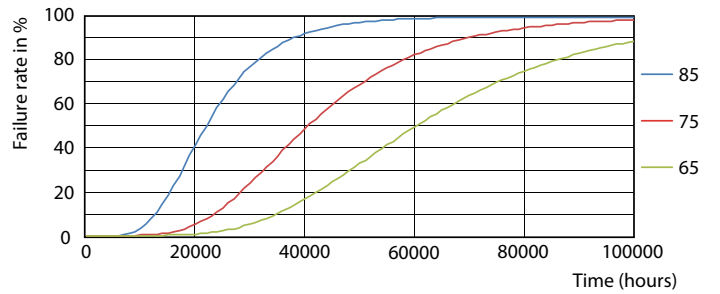
Lifetime



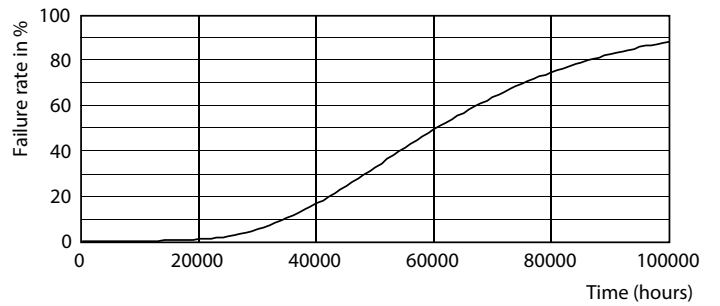
Life Expectancy Diagram - MAS LEDtube HF 1200mm HE 16.5W 830 T5



Lumen Maintenance Diagram - MAS LEDtube HF 1200mm HE 16.5W 830 T5



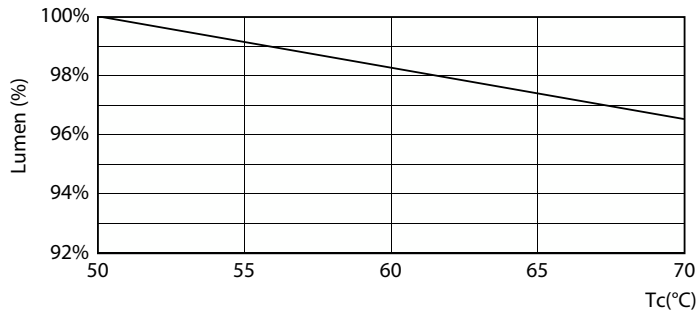
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Lifetime



Lumen Maintenance Diagram - MAS LEDtube HF 1200mm HE 16.5W 830 T5

