



MASTER LEDtube InstantFit HF T5



MAS LEDtube HF 600mm HE 8W 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	Photobiological safety according to EN 62471		RG0	
Nominal lifetime	60,000 hour(s)				
Switching Cycle	50,000				
Lighting Technology	LED	Operating and Electrical			
Flux measurement reference	Sphere	Line Frequency	30K to 100K Hz		
CE mark	Yes	Input Frequency	30K to 100K Hz		
EU RoHS compliant	Yes	Power Consumption	8 W		
		Lamp Current (Max)	350 mA		
		Lamp Current (Min)	150 mA		
		Starting Time (Nom)	0.5 s		
		Warm-up time to 60% light	0.5 s		
		Power Factor (Fraction)	0.92		
		Voltage (Nom)	40-70 V		
		LED alternative to fluorescent lamp power	14 W		
		Inrush current at mains	-		
		Max. lamp no. on MCB B type 10A - Mains	-		
		Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	-		
Light Technical					
Color Code	830 [CCT of 3000K]				
Beam Angle (Nom)	200 degree(s)				
Luminous Flux	1,000 lm				
Color Designation	White (WH)				
Correlated Color Temperature (Nom)	3000 K				
Luminous Efficacy (rated) (Nom)	125.00 lm/W				
Color Consistency	<6				
Color rendering index (CRI)	80				

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Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	-
Max. lamp no. on MCB B type 16A – Mains	-
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	-
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	-
Ballast Compatibility	HF

Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	65 °C

Controls and Dimming

Dimmable	Yes - Check ballast compatibility
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	600 mm
Bulb Shape	T5

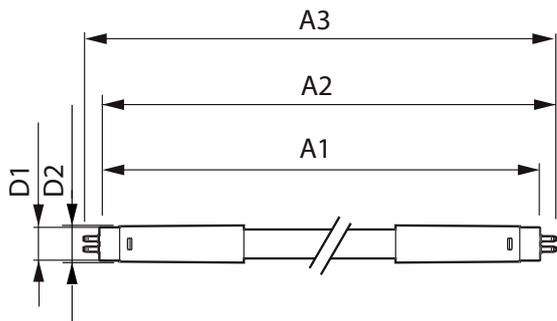
Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	1384131

Product Data

Order product name	MAS LEDtube HF 600mm HE 8W 830 T5
Full product name	MAS LEDtube HF 600mm HE 8W 830 T5
Full product code	871869674323200
Order code	929001390702
Material Nr. (12NC)	929001390702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696743232
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696743249

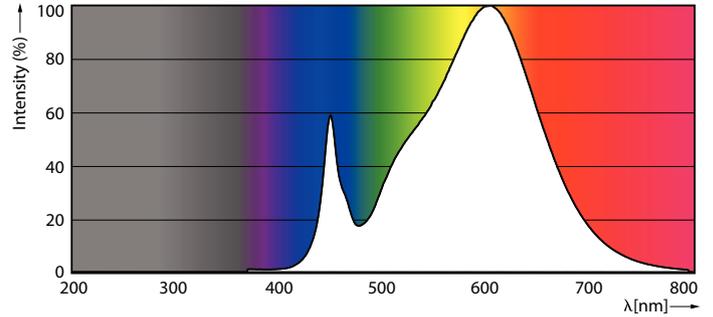
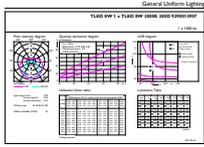
Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube HF 600mm HE 8W 830 T5	15.5 mm	18.8 mm	549 mm	556.1 mm	563.2 mm

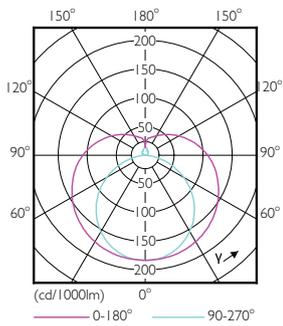
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Photometric data



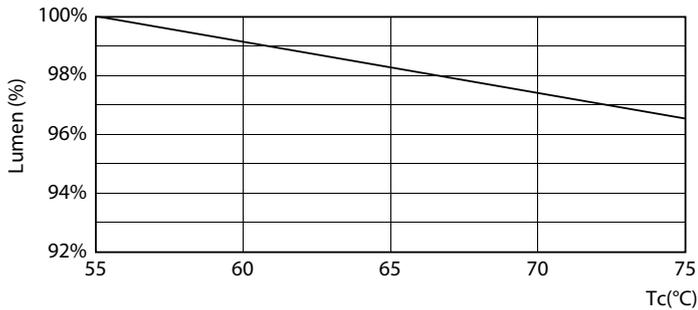
General uniform lighting - MAS LEDtube HF 600mm HE 8W 830 T5

Spectral Power Distribution Colour - MAS LEDtube HF 600mm HE 8W 830 T5

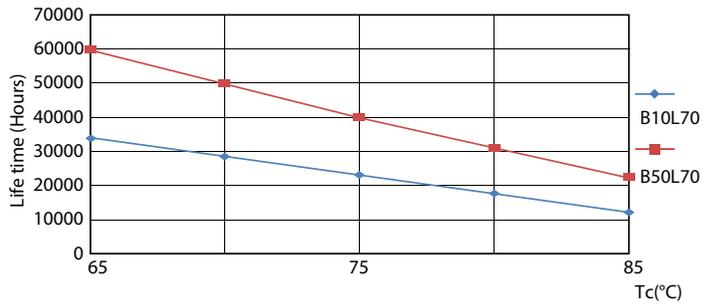


Light Distribution Diagram - MAS LEDtube HF 600mm HE 8W 830 T5

Lifetime



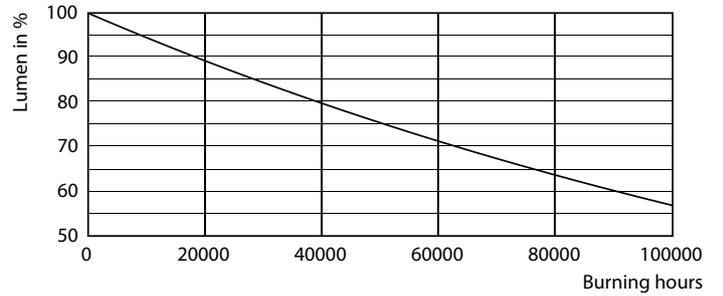
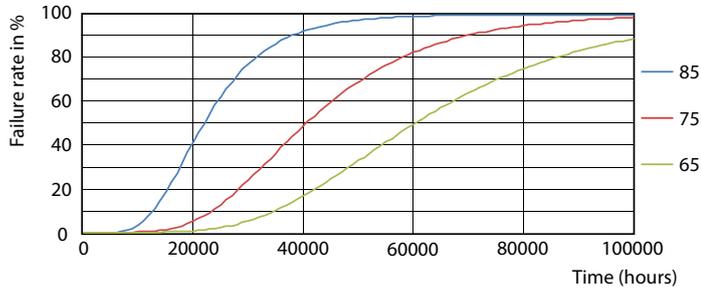
Lumen Maintenance Diagram - MAS LEDtube HF 600mm HE 8W 830 T5



Life Expectancy Diagram - MAS LEDtube HF 600mm HE 8W 830 T5

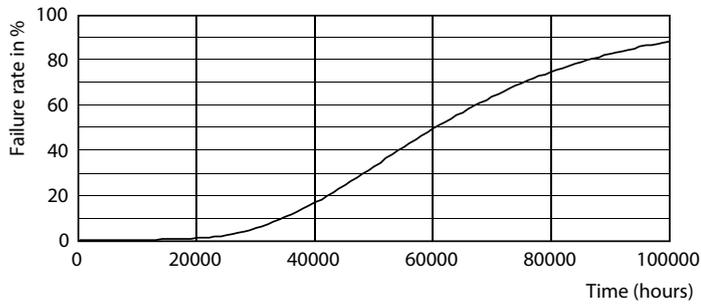
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