



MASTER LED tube InstantFit HF T5



MAS LEDtube HF 600mm HE 7W 865 T5

MASTER, LEDtube, T5, HF, 600 mm, 7 W, 14W TL5 HE, 6500 K, 1050 lm, CRI 80, 60000 hour(s)

MASTER, LEDtube, T5, HF, 600 mm, 7 W, LED alternative to 14W TL5 HE, 6500 K, 1050 lm, CRI 80, 60000 hour(s), 150 lm/W, EEL D, G5, Beam angle 200 degree(s), Glass, 600 mm, RG0, SDCM 6, PF 0.92, IP20

Product data

General Information		Photobiological safety according to EN 62471	
Cap-Base	G5	RG0	
Nominal lifetime	60,000 hour(s)		
Switching Cycle	50,000		
Lighting Technology	LEDtube		
Flux measurement reference	Sphere		
Warranty period	5 years		
Light Technical		Operating and Electrical	
Color Code	865 [CCT of 6500K]	Input Frequency	30K to 100K Hz
Beam Angle (Nom)	200 degree(s)	Power Consumption	7 W
Luminous Flux	1,050 lm	Lamp Current (Max)	350 mA
Color Designation	Cool Daylight	Lamp Current (Min)	150 mA
Correlated Color Temperature (Nom)	6500 K	Starting Time (Nom)	0.5 s
Luminous Efficacy (rated) (Nom)	150 lm/W	Warm-up time to 60% light	0.5 s
Color Consistency	<6	Power Factor (Fraction)	0.92
Color rendering index (CRI)	80	Voltage (Nom)	40-70 V
LLMF At End Of Nominal Lifetime (Nom)	70 %	LED alternative to fluorescent lamp power	14W TL5 HE
		Inrush current at mains	-
		Max. lamp no. on MCB B type 10A - Mains	-
		Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
		Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-

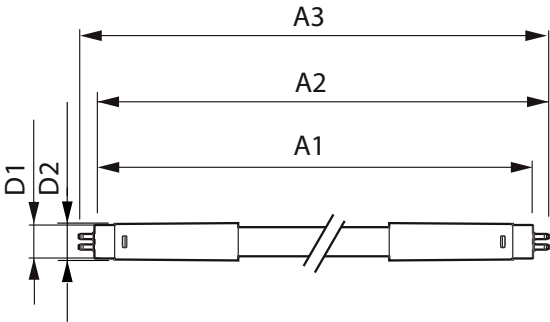
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Max. lamp no. on MCB B type 16A – Mains	-
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Ballast Compatibility	HF
Temperature	
T-Case Maximum (Nom)	50 °C
Controls and Dimming	
Dimmable	Yes - Check ballast compatibility
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	600 mm
Bulb Shape	T5
Net Weight (Piece)	0.085 kg
Approval and Application	
Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate

Energy Consumption kWh/1000 h	7 kWh
EPREL Registration Number	1936618
CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	-20 to +45 °C
Application Conditions	
can it be used in closed luminaires	Yes
Wireless Technology	Not applicable

Product Data	
Order product name	MAS LEDtube HF 600mm HE 7W 865 T5
Full product name	MAS LEDtube HF 600mm HE 7W 865 T5
Full product code	872016930970800
Order code	929003795302
Material Nr. (12NC)	929003795302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169309708
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169309715

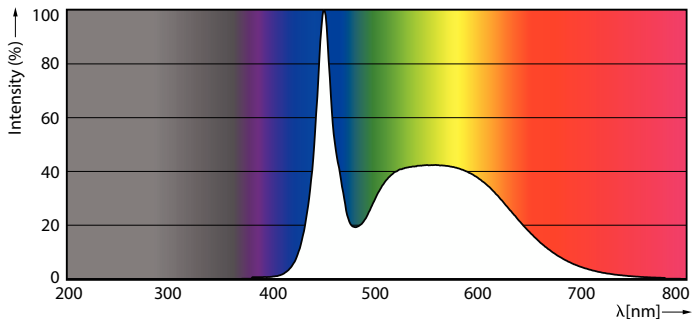
Dimensional drawing



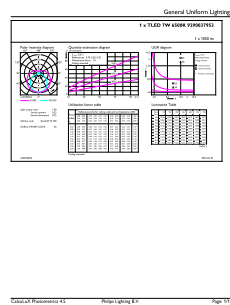
Product	D1	D2	A1	A2	A3
MAS LEDtube HF 600mm HE 7W 865 T5	15.7 mm	19 mm	549 mm	556 mm	563 mm

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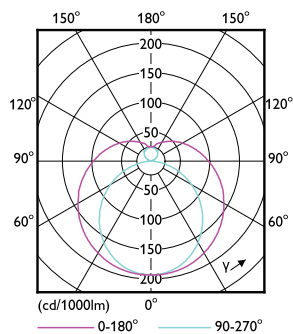
Photometric data



Spectral Power Distribution Colour - MAS LEDtube HF 600mm HE 7W 865 T5

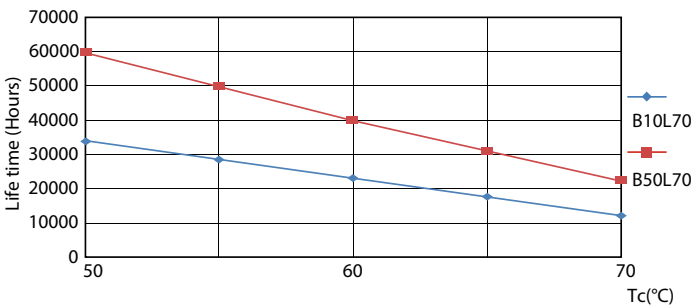


General uniform lighting - MAS LEDtube HF 600mm HE 7W 865 T5

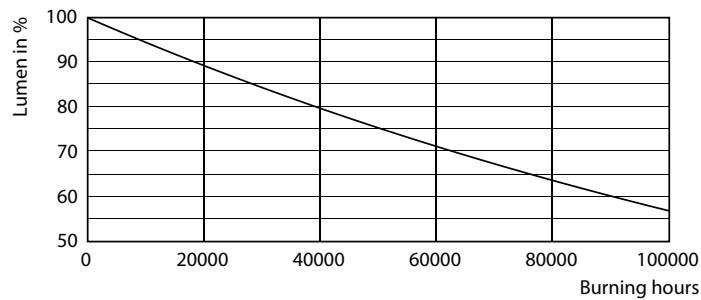


Light Distribution Diagram - MAS LEDtube HF 600mm HE 7W 865 T5

Lifetime



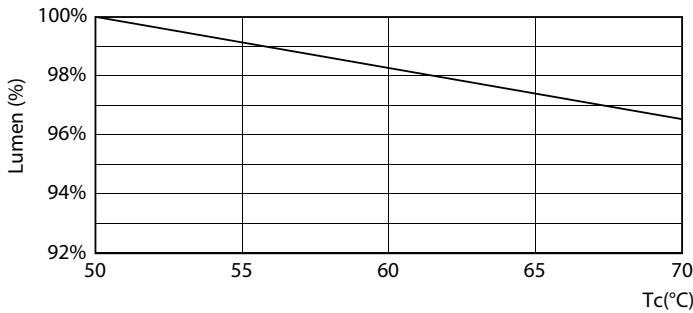
LEDtube 60K 5070 LifetimeVsTc-LED



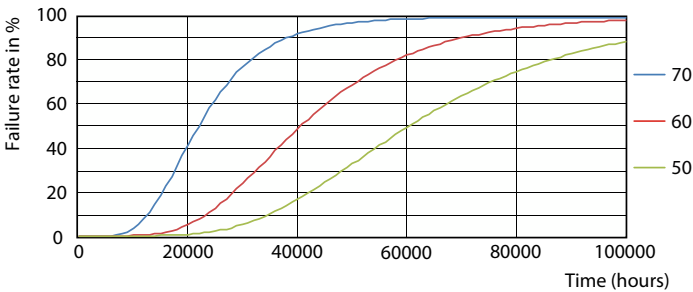
Lumen Maintenance Diagram - MAS LEDtube HF 600mm HE 7W 865 T5

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Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDtube HF 600mm HE 7W 865 T5

LEDtube 60K 5070 FailureRate-LED

