



MASTER LED tube Mains T5

MASTER LEDtube 600mm HE 7W 830 T5 EU

MASTER, LEDtube, T5, Mains, 600 mm, 7 W, 14W TL5 HE, 3000 K, 1000 lm, CRI 80, 60000 hour(s)

MASTER, LEDtube, T5, Mains, 600 mm, 7 W, LED alternative to 14W TL5 HE, 3000 K, 1000 lm, CRI 80, 60000 hour(s), 142 lm/W, EEL D, G5, Beam angle 200 degree(s), Glass, 600 mm, RG0, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

Product data

General Information		Photobiological safety according to EN 62471	
Cap-Base	G5		RG0
Nominal lifetime	60,000 hour(s)	Operating and Electrical	
Switching Cycle	200,000	Input Frequency	50 to 60 Hz
Lighting Technology	LEDtube	Power Consumption	7 W
Flux measurement reference	Sphere	Lamp Current (Nom)	32 mA
Warranty period	5 years	Starting Time (Nom)	0.5 s
Light Technical		Warm-up time to 60% light	0.5 s
Color Code	830 [CCT of 3000K]	Power Factor (Fraction)	0.9
Beam Angle (Nom)	200 degree(s)	Voltage (Nom)	220-240 V
Luminous Flux	1,000 lm	LED alternative to fluorescent lamp power	14W TL5 HE
Color Designation	White (WH)	Inrush current at mains	4.5
Correlated Color Temperature (Nom)	3000 K	Max. lamp no. on MCB B type 10A - Mains	160
Luminous Efficacy (rated) (Nom)	142 lm/W	Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Color Consistency	<6	Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Color rendering index (CRI)	80	Max. lamp no. on MCB B type 16A - Mains	254
LLMF At End Of Nominal Lifetime (Nom)	70 %		

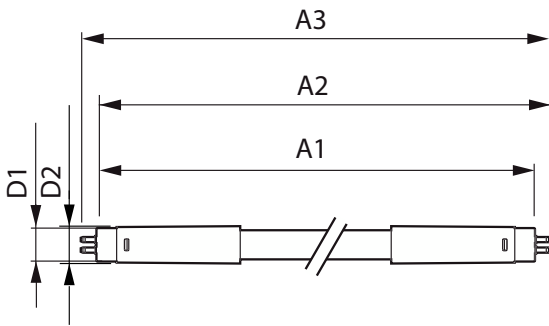
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Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Ballast Compatibility	Mains
Temperature	
T-Case Maximum (Nom)	50 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	600 mm
Bulb Shape	T5
Net Weight (Piece)	0.070 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	1826568

CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
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 600mm HE 7W 830 T5 EU
Full product name	MASTER LEDtube 600mm HE 7W 830 T5 EU
Full product code	872016931169500
Order code	31169500
Material Nr. (12NC)	929003795402
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169311695
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169311701

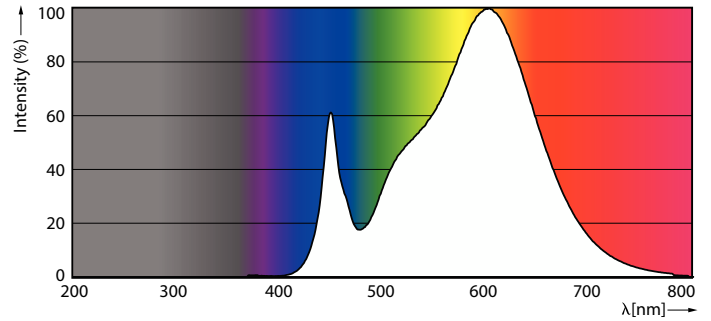
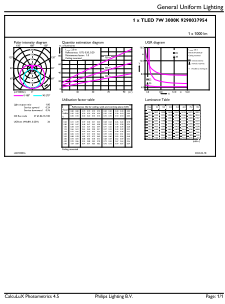
Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 600mm HE 7W 830 T5 EU	15.7 mm	19 mm	549 mm	556.1 mm	563.2 mm

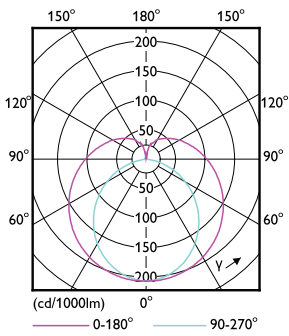
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Photometric data



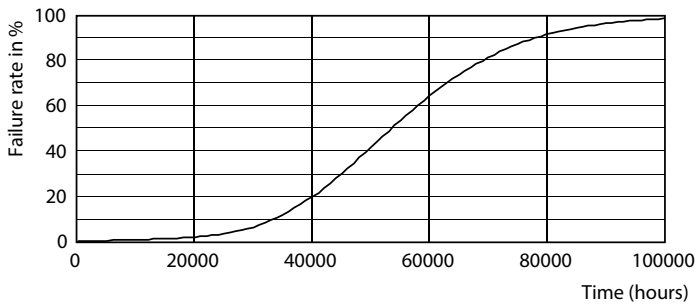
General uniform lighting - MAS LEDtube 600mm HE 7W 830 T5 EU

Spectral Power Distribution Colour - MAS LEDtube 600mm HE 7W 830 T5 EU

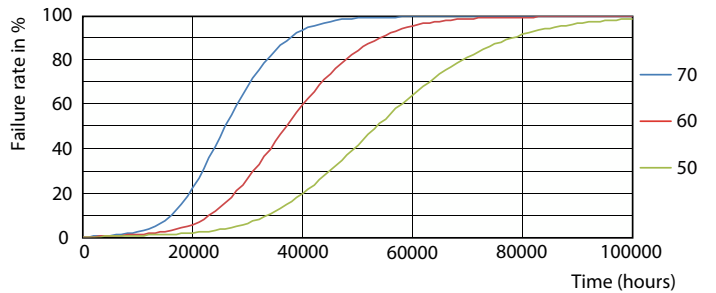


Light Distribution Diagram - MAS LEDtube 600mm HE 7W 830 T5 EU

Lifetime



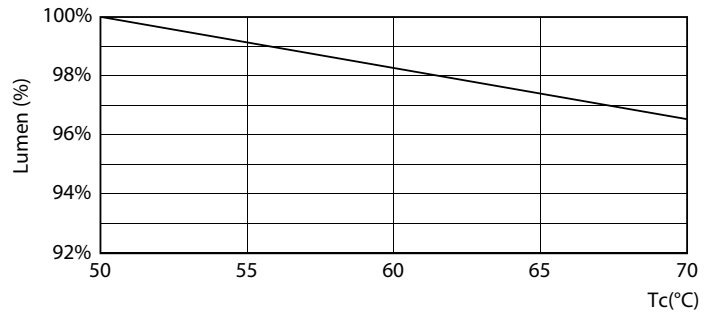
Life Expectancy Diagram



FailureRate

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Lifetime



LifetimeVsTc

Lumen Maintenance Diagram - MAS LEDtube 600mm HE 7W 830 T5 EU



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