



MASTER LED tube Mains T5

MAS LEDtube 600mm HE 7W 830 T5 EU

MASTER, LEDtube, T5, Mains, 23-5/8 inch, 7 W, 14W TL5 HE, 3000 K, 1000 lm, CRI 80, 60000 hour(s)

MASTER, LEDtube, T5, Mains, 23-5/8 inch, 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, RGO, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

Product data

General Information	
Cap-Base	G5
Nominal lifetime	60,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LEDtube
Flux measurement reference	Sphere
Warranty period	5 years
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)	142 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Photobiological safety according to EN 62471	RGO
Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	7 W
Lamp Current (Nom)	32 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	14W TL5 HE
Inrush current at mains	4.5
Max. lamp no. on MCB B type 10A - Mains	160
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.	-
Max. lamp no. on MCB B type 16A - Mains	254

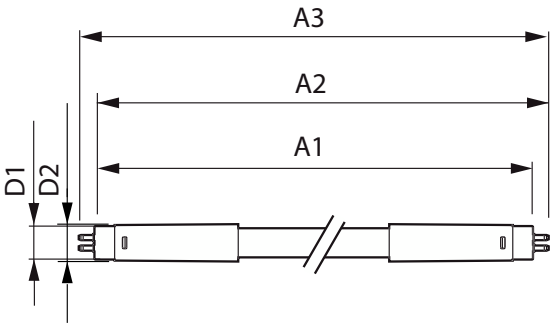
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Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Ballast Compatibility	Mains
Temperature	
T-Case Maximum (Nom)	122 °F
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	23-5/8 inch
Bulb Shape	T5
Net Weight (Piece)	0.154 lb
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	-4 to +113 °F
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	MAS LEDtube 600mm HE 7W 830 T5 EU
Full product code	872016931169500
Order code	929003795402
Material Nr. (12NC)	929003795402
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8720169311695
Numerator – Packs per outer box	10
EAN/UPC – Case	8720169311701

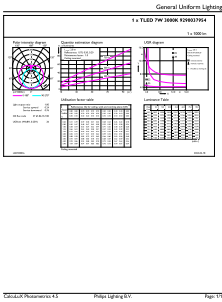
Dimensional drawing



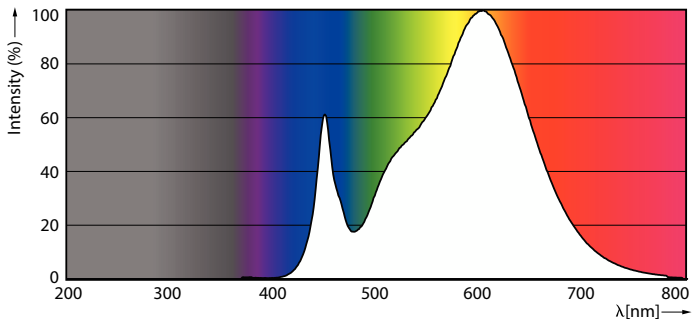
Product	D1	D2	A1	A2	A3
MAS LEDtube 600mm HE 7W 830 T5 EU	5/8 inch	3/4 inch	21-5/8 inch	21-15/16 inch	22-3/16 inch

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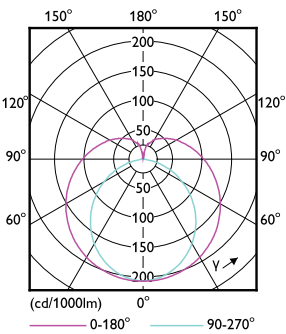
Photometric data



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

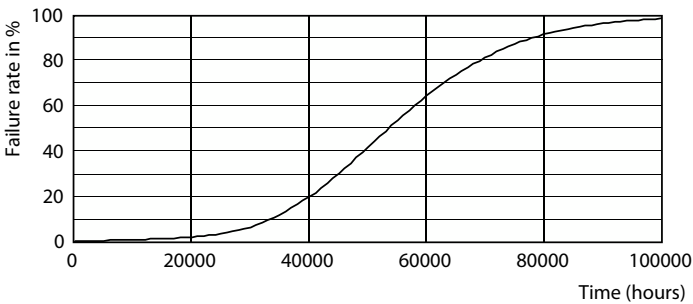


Spectral Power Distribution Colour - MAS LEDtube 600mm HE 7W 830 T5 EU

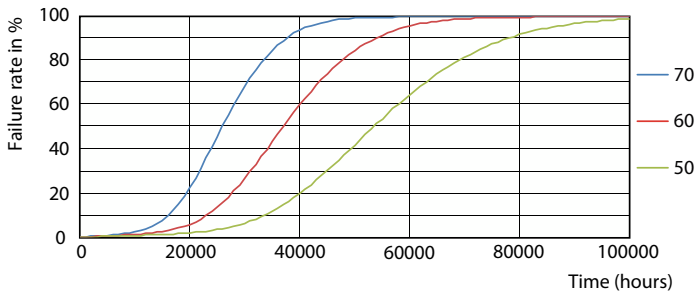


Light Distribution Diagram - MAS LEDtube 600mm HE 7W 830 T5 EU

Lifetime



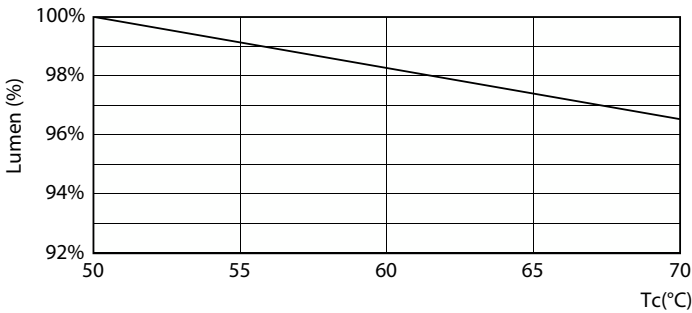
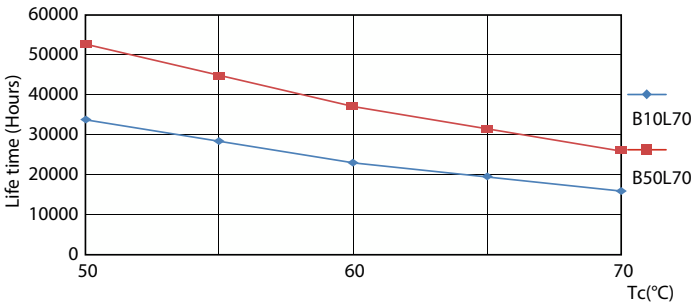
Life Expectancy Diagram



FailureRate

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Lifetime



LifetimeVsTc

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



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

