



MASTER LED tube InstantFit HF T5

MAS LEDtube HF 600mm HE 7W 830 T5

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

MASTER, LEDtube, T5, HF, 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 E, G5, Beam angle 200 degree(s), Glass, 600 mm, RG0, SDCM 6, PF 0.92, IP20

Product data

General Information	
Cap-Base	G5
Nominal lifetime	60,000 hour(s)
Switching Cycle	50,000
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 %

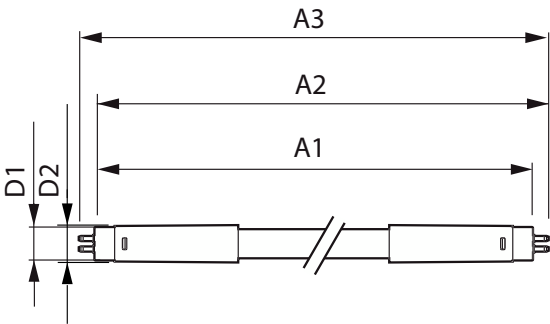
Photobiological safety according to EN 62471	RG0
Operating and Electrical	
Input Frequency	30K to 100K Hz
Power Consumption	7 W
Lamp Current (Max)	350 mA
Lamp Current (Min)	150 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.92
Voltage (Nom)	40-70 V
LED alternative to fluorescent lamp power	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)	122 °F
Controls and Dimming	
Dimmable	Yes - Check ballast compatibility
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	23-5/8 inch
Bulb Shape	T5
Net Weight (Piece)	0.187 lb
Approval and Application	
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate

Energy Consumption kWh/1000 h	7 kWh
EPREL Registration Number	1936620
CE mark	Yes
EU RoHS compliant	Yes
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 HF 600mm HE 7W 830 T5
Full product name	MAS LEDtube HF 600mm HE 7W 830 T5
Full product code	872016930966100
Order code	929003795102
Material Nr. (12NC)	929003795102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169309661
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169309678

Dimensional drawing



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

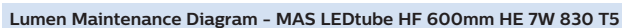
Photometric data



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

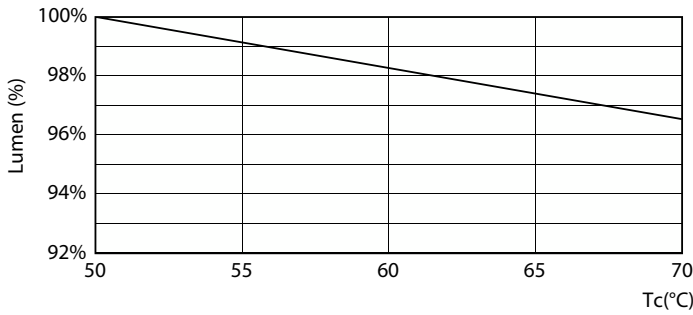
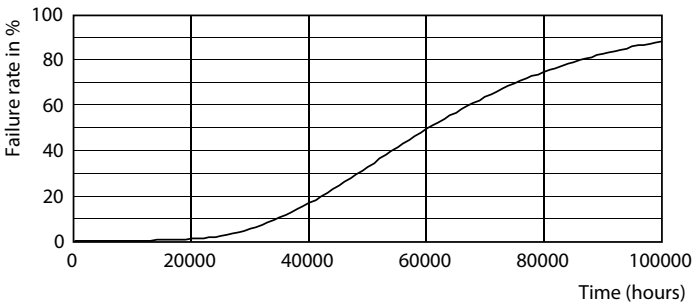
Tc (°C)	B10L70 Life time (Hours)	B50L70 Life time (Hours)
50	34,000	60,000
55	28,000	50,000
60	23,000	40,000
65	18,000	31,000
70	12,000	22,000

LEDtube 60K 5070 LifetimeVsTc-LED

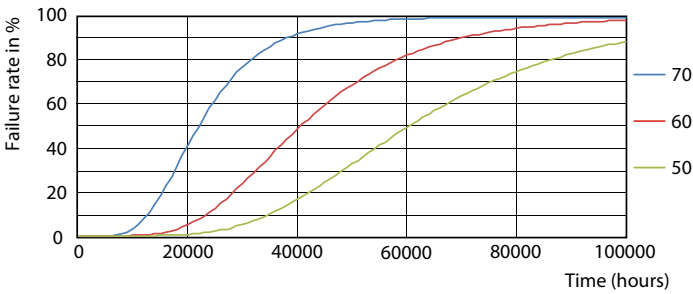


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Lifetime



Life Expectancy Diagram



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

LEDtube 60K 5070 FailureRate-LED

