



MASTER LED tube InstantFit HF T5



MAS LEDtube HF 600mm HO 10.5W 830 T5

MASTER, LEDtube, T5, HF, 600 mm, 10.5 W, 24W TL5 HO, 3000 K, 1600 lm, CRI 80, 60000 hour(s)

MASTER, LEDtube, T5, HF, 600 mm, 10.5 W, LED alternative to 24W TL5 HO, 3000 K, 1600 lm, CRI 80, 60000 hour(s), 142 lm/W, EEL E, G5, Beam angle 200 degree(s), Glass, 600 mm, RG0, SDCM 6, PF 0.9, 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	1,600 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	
Line Frequency	10K to 120K Hz
Input Frequency	10K to 120K Hz
Power Consumption	10.5 W
Lamp Current (Max)	350 mA
Lamp Current (Min)	80 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	30-120 V
LED alternative to fluorescent lamp power	24W TL5 HO
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.	-

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Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
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)	55 °C
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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
Net Weight (Piece)	0.085 kg

Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes

Approval Marks	RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	11 kWh
EPREL Registration Number	1407666
CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C

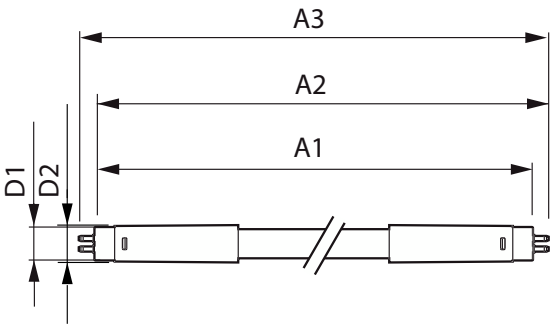
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	MAS LEDtube HF 600mm HO 10.5W 830 T5
Full product name	MAS LEDtube HF 600mm HO 10.5W 830 T5
Full product code	872016916307200
Order code	929003596202
Material Nr. (12NC)	929003596202
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169163072
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169163089

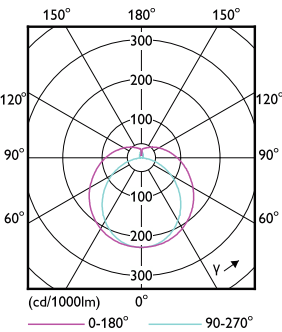
Dimensional drawing



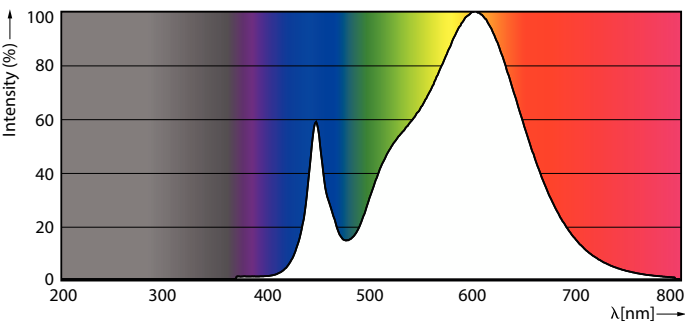
Product	D1	D2	A1	A2	A3
MAS LEDtube HF 600mm HO 10.5W 830 T5	15.5 mm	16/19 mm	549 mm	556 mm	563 mm

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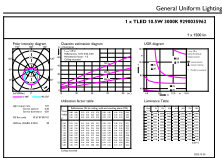
Photometric data



Light Distribution Diagram - MAS LEDtube HF 600mm HO 10.5W 830 T5

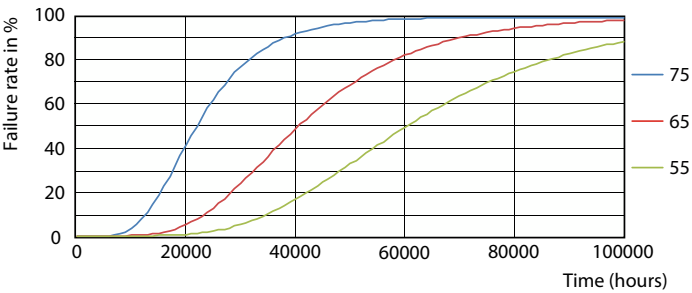


Spectral Power Distribution Colour - MAS LEDtube HF 600mm HO 10.5W 830 T5

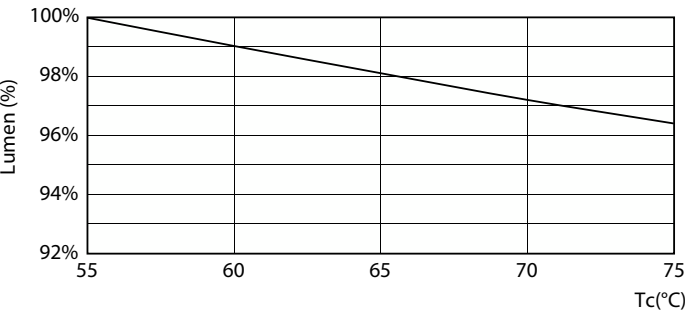


General uniform lighting - MAS LEDtube HF 600mm HO 10.5W 830 T5

Lifetime



FailureRate



Lumen Maintenance Diagram - MAS LEDtube HF 600mm HO 10.5W 830 T5

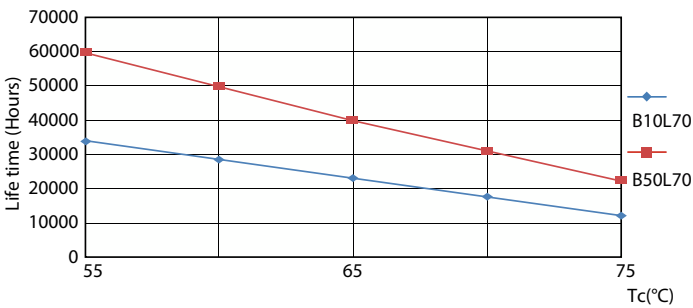
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Lifetime



Lumen Maintenance Diagram - MAS LEDtube HF 600mm HO 10.5W 830 T5

Life Expectancy Diagram



LifetimeVsTc

