



MASTER LED tube Mains T5

MASTER LEDtube 600mm HO 10.5W 865 T5

MASTER, LEDtube, T5, Mains, 600 mm, 10.5 W, 24W TL5 HO, 6500 K, 1600 lm, CRI 80, 60000 hour(s)

MASTER, LEDtube, T5, Mains, 600 mm, 10.5 W, LED alternative to 24W TL5 HO, 6500 K, 1600 lm, CRI 80, 60000 hour(s), 152 lm/W, EEL D, G5, Beam angle 200 degree(s), Glass, 600 mm, RGO, SDCM 6, PF 0.92, IP20, SVM 0.4, PstLM 1

Product data

General Information		Photobiological safety according to EN 62471	
Cap-Base	G5		RGO
Nominal lifetime	60,000 hour(s)	Operating and Electrical	
Switching Cycle	200,000	Input Frequency	50 to 60 Hz
Lighting Technology	LEDtube	Power Consumption	10.5 W
Flux measurement reference	Sphere	Lamp Current (Max)	47 mA
Warranty period	5 years	Lamp Current (Min)	47 mA
		Lamp Current (Nom)	47 mA
		Starting Time (Nom)	0.5 s
		Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	0.92
		Voltage (Nom)	220-240 V
		LED alternative to fluorescent lamp power	24W TL5 HO
		Inrush current at mains	7
		Max. lamp no. on MCB B type 10A - Mains	100
		Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Light Technical			
Color Code	865 [CCT of 6500K]		
Beam Angle (Nom)	200 degree(s)		
Luminous Flux	1,600 lm		
Color Designation	Cool Daylight		
Correlated Color Temperature (Nom)	6500 K		
Luminous Efficacy (rated) (Nom)	152 lm/W		
Color Consistency	<6		
Color rendering index (CRI)	80		
LLMF At End Of Nominal Lifetime (Nom)	70 %		

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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	159
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)	60 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	600 mm
Bulb Shape	T5
Net Weight (Piece)	0.080 kg

Approval and Application

Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance

Energy Consumption kWh/1000 h	11 kWh
EPREL Registration Number	1590873
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

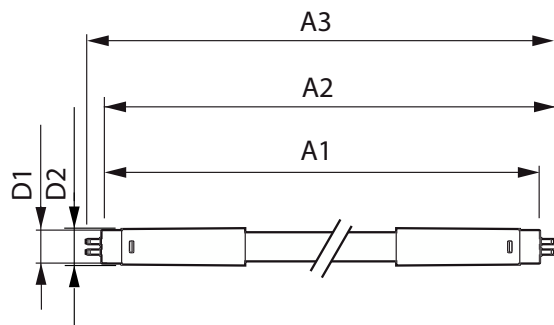
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	MAS LEDtube 600mm HO 10.5W 865 T5
Full product name	MASTER LEDtube 600mm HO 10.5W 865 T5
Full product code	872016927523200
Order code	27523200
Material Nr. (12NC)	929003734502
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169275232
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169275249

Dimensional drawing



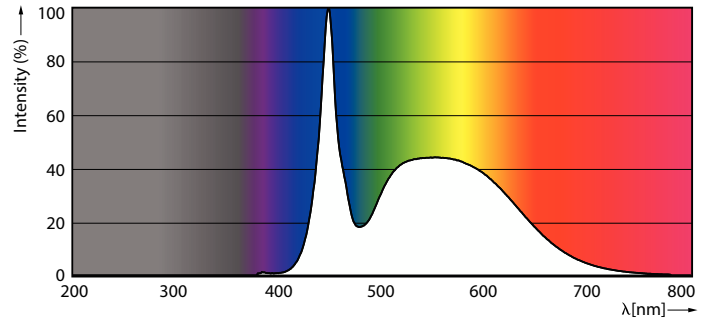
Product	D1	D2	A1	A2	A3
MAS LEDtube 600mm HO 10.5W 865 T5	19 mm	549 mm	556.1 mm	563.2 mm	

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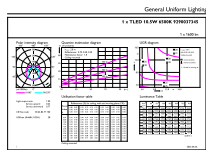
Photometric data



Light Distribution Diagram - MAS LEDtube 600mm HO 10.5W 865 T5



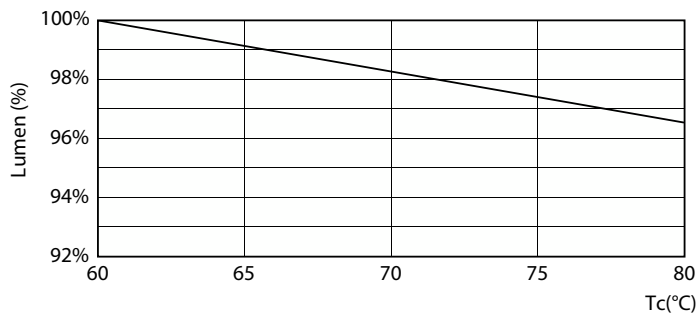
Spectral Power Distribution Colour - MAS LEDtube 600mm HO 10.5W 865 T5



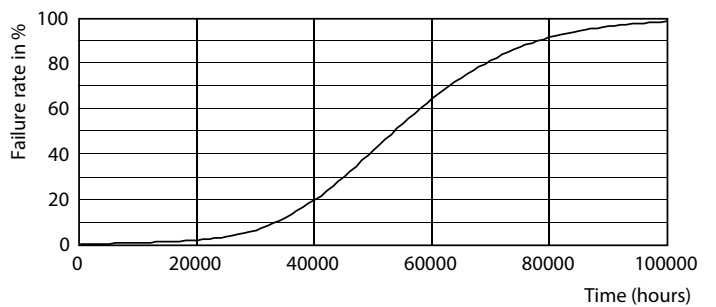
General Uniform Lighting - MAS LEDtube 600mm HO 10.5W 865 T5

General uniform lighting - MAS LEDtube 600mm HO 10.5W 865 T5

Lifetime



Lumen Maintenance Diagram - MAS LEDtube 600mm HO 10.5W 865 T5



Life Expectancy Diagram

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Lifetime



LifetimeVsTc

FailureRate



Lumen Maintenance Diagram - MAS LEDtube 600mm HO 10.5W 865 T5

