



MASTER LED tube Mains T5



MAS LEDtube 900mm HE 11.5W 830 T5 EU

MASTER, LEDtube, T5, Mains, 900 mm, 11.5 W, 21W TL5 HE, 3000 K, 1600 lm, CRI 80, 60000 hour(s)

MASTER, LEDtube, T5, Mains, 900 mm, 11.5 W, LED alternative to 21W TL5 HE, 3000 K, 1600 lm, CRI 80, 60000 hour(s), 139 lm/W, EEL D, G5, Beam angle 200 degree(s), Glass, 900 mm, RG0, 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	1,600 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	139 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	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	11.5 W
Lamp Current (Max)	57 mA
Lamp Current (Min)	57 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	21W TL5 HE
Inrush current at mains	7
Max. lamp no. on MCB B type 10A - Mains	110
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	175
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)	45 °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	900 mm
Bulb Shape	T5
Net Weight (Piece)	0.112 kg

Approval and Application

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

Energy Consumption kWh/1000 h	12 kWh
EPREL Registration Number	1587455
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

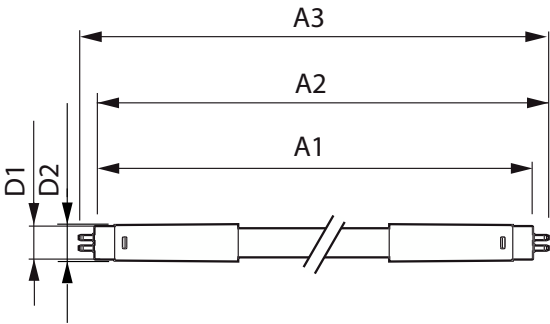
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	MAS LEDtube 900mm HE 11.5W 830 T5 EU
Full product name	MAS LEDtube 900mm HE 11.5W 830 T5 EU
Full product code	872016927062600
Order code	929003734002
Material Nr. (12NC)	929003734002
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8720169270626
Numerator – Packs per outer box	10
EAN/UPC – Case	8720169270633

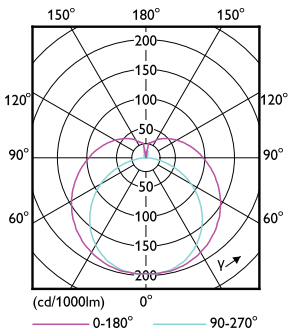
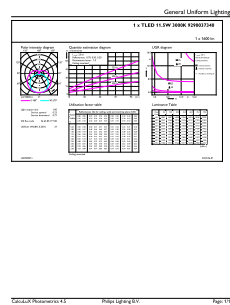
Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 900mm HE 11.5W 830 T5 EU	15.7 mm	19 mm	849 mm	856.1 mm	863.2 mm

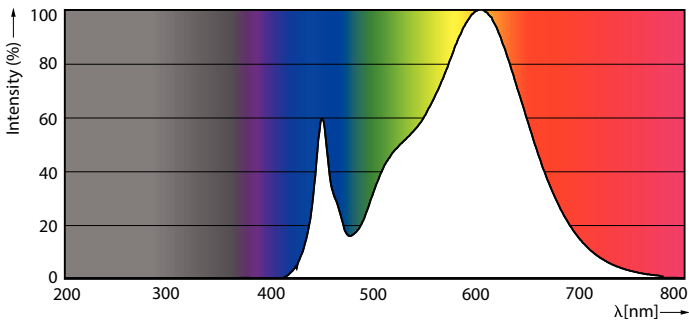
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Photometric data



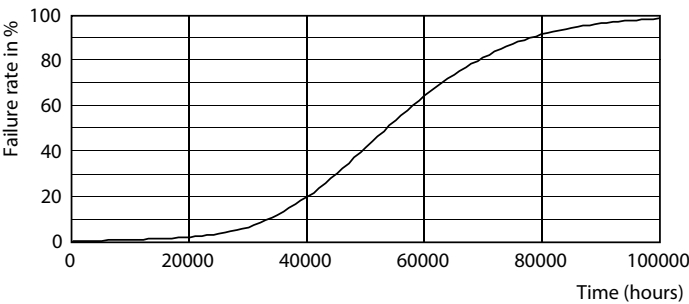
General uniform lighting - MAS LEDtube 900mm HE 11.5W 830 T5 EU

Light Distribution Diagram - MAS LEDtube 900mm HE 11.5W 830 T5 EU

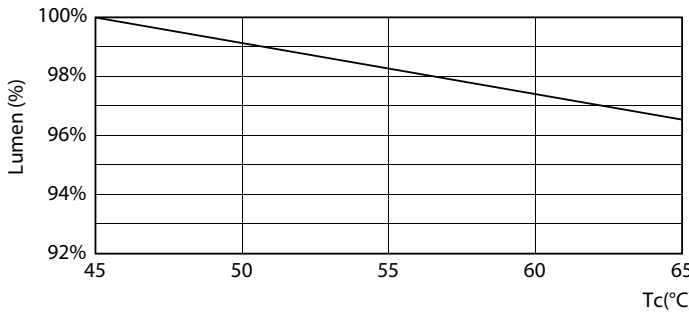


Spectral Power Distribution Colour - MAS LEDtube 900mm HE 11.5W 830 T5 EU

Lifetime



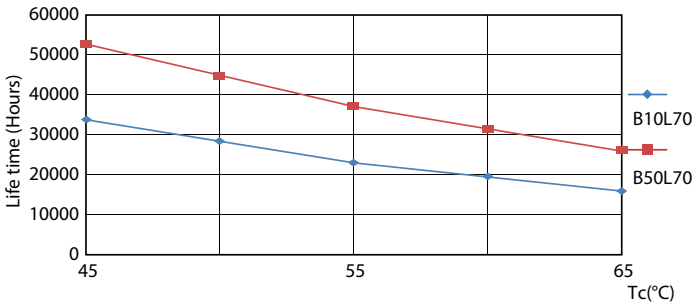
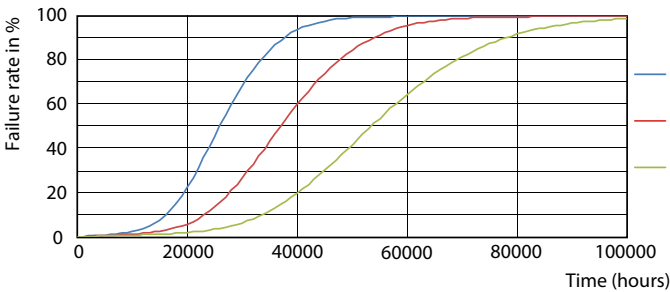
Life Expectancy Diagram



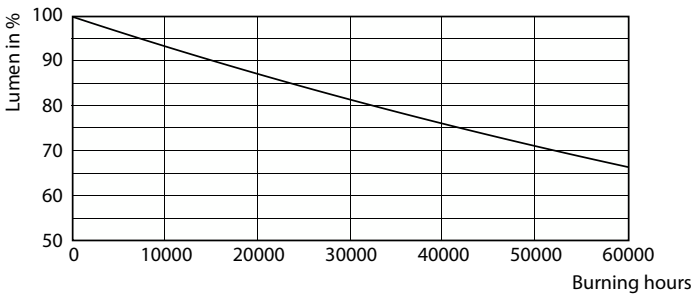
Lumen Maintenance Diagram - MAS LEDtube 900mm HE 11.5W 830 T5 EU

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Lifetime



FailureRate



LifetimeVsTc

Lumen Maintenance Diagram - MAS LEDtube 900mm HE 11.5W 830 T5 EU

