PHILIPS

Lighting



MASTER LEDtube Mains T5



MAS LEDtube 900mm HE 11.5W 840 T5 EU

The new Philips Master LEDtube Mains T5 brings simplicity to your lighting project. You don't need to pay attention to the driver technology anymore. Thanks to a unique design, Philips MASTER LEDtube Mains T5 installs in luminaires operating on mains power connection. So simple to operate! . Perfectly safe, reliable & easy to install Philips MASTER LEDtube Mains T5 is the ideal alternative to standard fluorescent tubes to maximize value over lifetime with high energy saving and lower maintenance costs.

Product data

General Information	
Cap-Base	G5
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	200 degree(s)
Luminous Flux	1,700 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	147 lm/W
Color Consistency	<6
Color rendering index (CRI)	80

LLMF At End Of Nominal Lifetime (Nom)	70 %
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
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
Voltage (Nom)	220 V
LED alternative to fluorescent lamp power	21 W

MASTER LEDtube Mains T5

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 Comp. Cap.	-
Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	-
Max. lamp no. on MCB B type 16A - Mains	175
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	-
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	-
Ballast Compatibility	Mains

Temperature

Ambient temperature range	-20 to +45 °C
T-Case Maximum (Nom)	45 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	900 mm
Bulb Shape	T5

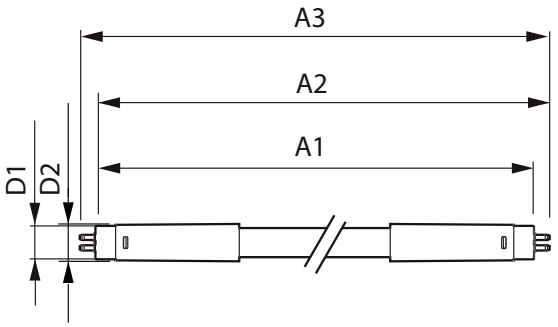
Approval and Application

Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	12 kWh
EPREL Registration Number	1587456

Product Data

Order product name	MAS LEDtube 900mm HE 11.5W 840 T5 EU
Full product name	MAS LEDtube 900mm HE 11.5W 840 T5 EU
Full product code	872016927064000
Order code	929003734102
Material Nr. (12NC)	929003734102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169270640
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169270657

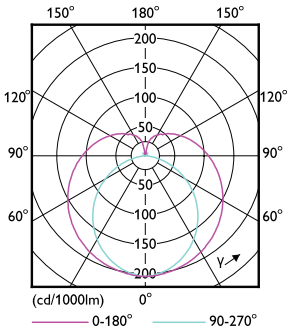
Dimensional drawing



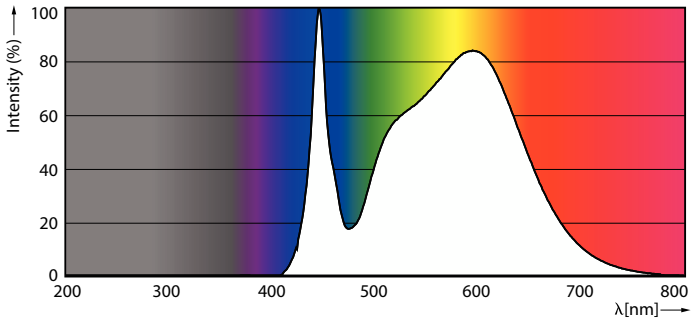
Product	D1	D2	A1	A2	A3
MAS LEDtube 900mm HE 11.5W 840 T5 EU	15.7 mm	19 mm	849 mm	856.1 mm	863.2 mm

MASTER LEDtube Mains T5

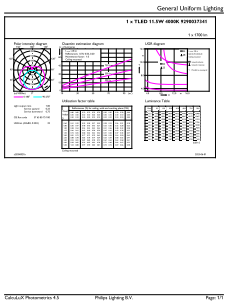
Photometric data



Light Distribution Diagram - MAS LEDtube 900mm HE 11.5W 840 T5 EU

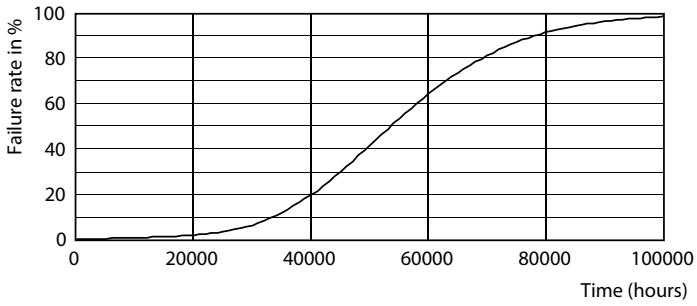


Spectral Power Distribution Colour - MAS LEDtube 900mm HE 11.5W 840 T5 EU

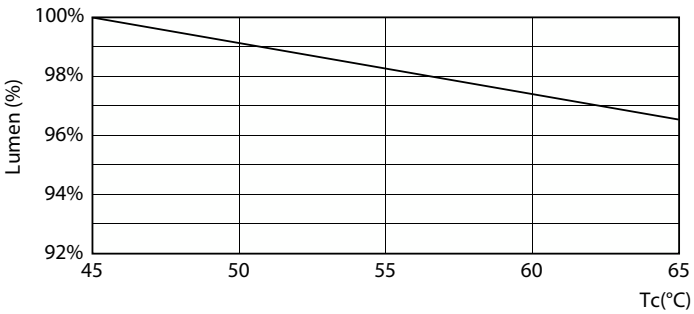


General uniform lighting - MAS LEDtube 900mm HE 11.5W 840 T5 EU

Lifetime



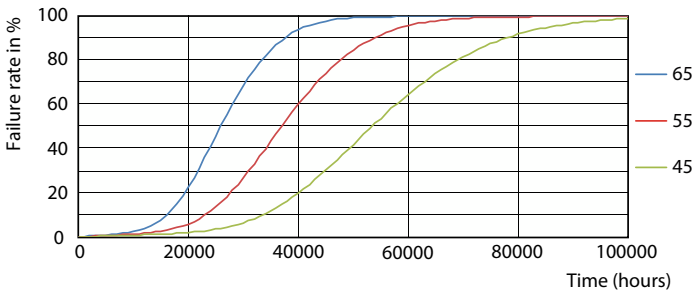
Life Expectancy Diagram - MAS LEDtube 900mm HE 11.5W 840 T5 EU



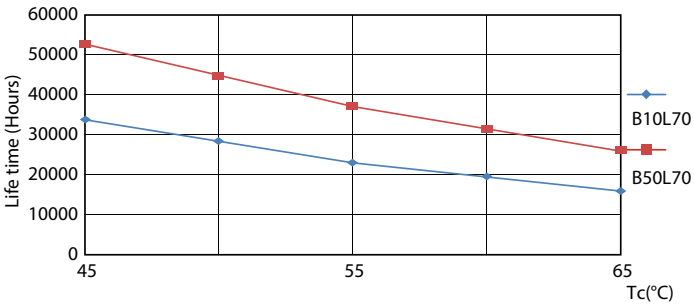
Lumen Maintenance Diagram - MAS LEDtube 900mm HE 11.5W 840 T5 EU

MASTER LEDtube Mains T5

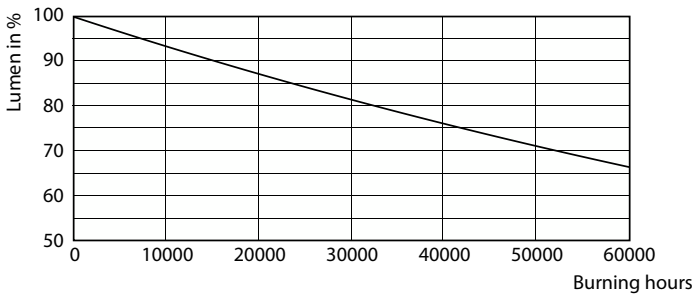
Lifetime



Life Expectancy Diagram - MAS LEDtube 900mm HE 11.5W 840 T5 EU



Life Expectancy Diagram - MAS LEDtube 900mm HE 11.5W 840 T5 EU



Lumen Maintenance Diagram - MAS LEDtube 900mm HE 11.5W 840 T5 EU

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