



MASTER LEDtube EM/ Mains T8

MAS LEDtube 600mm HO 8W840 T8

The Philips MASTER LEDtube integrates a LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance which cannot be distinguished from traditional fluorescent. This product is the ideal solution for up lighting in general lighting applications.

Warnings and Safety

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Product data

General Information			
Cap-Base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]	Color Consistency	<6
Nominal lifetime	75,000 hour(s)	Color rendering index (CRI)	83
Switching Cycle	200,000	LLMF At End Of Nominal Lifetime (Nom)	70 %
Lighting Technology	LED	Flickering value (PstLM)	0.5
Flux measurement reference	Sphere	Stroboscopic effect value (SVM)	0.2
CE mark	Yes	Photobiological safety according to EN 62471	RG0
EU RoHS compliant	Yes	Operating and Electrical	
Light Technical		Line Frequency	50 to 60 Hz
Color Code	840 [CCT of 4000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	160 degree(s)	Power Consumption	8 W
Luminous Flux	1,050 lm	Lamp Current (Max)	42 mA
Color Designation	Cool White (CW)	Lamp Current (Min)	36 mA
Correlated Color Temperature (Nom)	4000 K	Starting Time (Nom)	0.5 s
Luminous Efficacy (rated) (Nom)	131 lm/W	Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	0.9
		Voltage (Nom)	220-240 V

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LED alternative to fluorescent lamp power	18 W
Max. lamp no. on MCB B type 10A – Mains	105
Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	125
Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	30
Max. lamp no. on MCB B type 16A – Mains	170
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	290
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	49

Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	50 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	600 mm

Bulb Shape	T8
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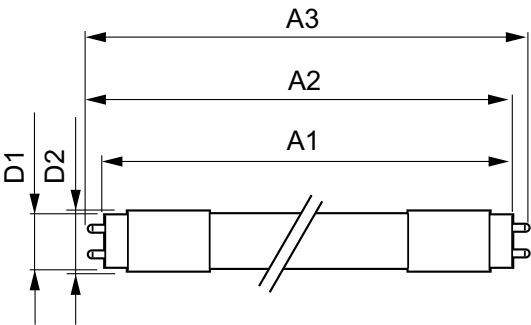
Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	1571692

Product Data

Order product name	MAS LEDtube 600mm HO 8W840 T8
Full product name	MAS LEDtube 600mm HO 8W840 T8
Full product code	871869669749800
Order code	929001307102
Material Nr. (12NC)	929001307102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696697498
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696697504

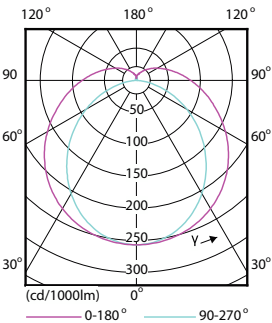
Dimensional drawing



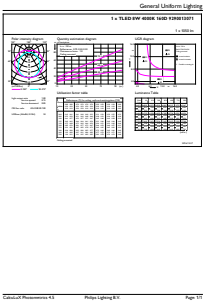
Product	D1	D2	A1	A2	A3
MAS LEDtube 600mm HO 8W840 T8	25.78 mm	28 mm	588.5 mm	595.5 mm	602.5 mm

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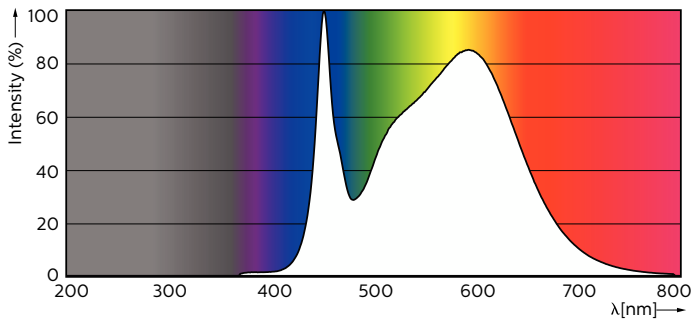
Photometric data



Light Distribution Diagram - MAS LEDtube 600mm HO 8W840 T8

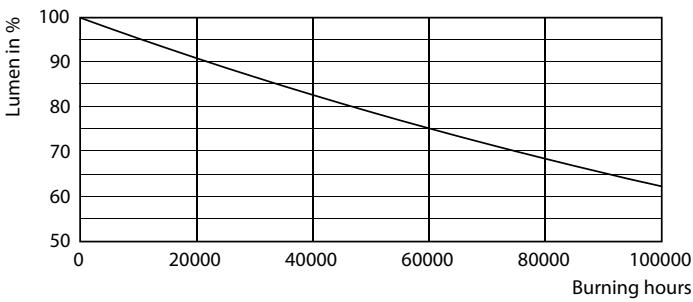


General uniform lighting - MAS LEDtube 600mm HO 8W840 T8

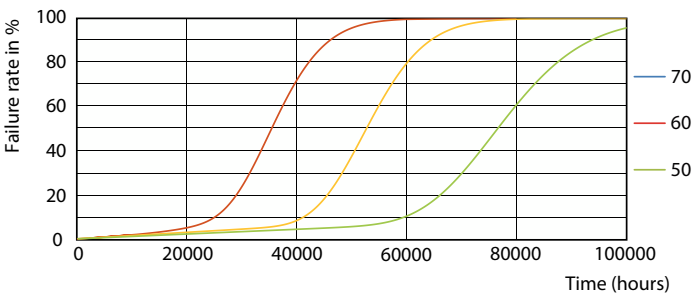


Spectral Power Distribution Colour - MAS LEDtube 600mm HO 8W840 T8

Lifetime



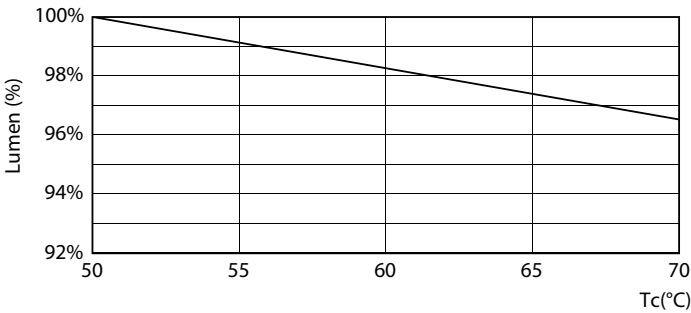
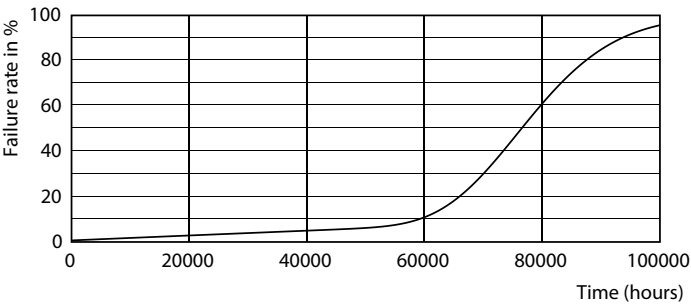
Lumen Maintenance Diagram - MAS LEDtube 600mm HO 8W840 T8



Life Expectancy Diagram - MAS LEDtube 600mm HO 8W840 T8

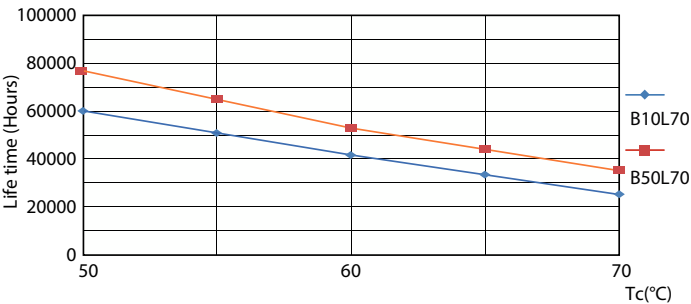
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Life Expectancy Diagram - MAS LEDtube 600mm HO 8W840 T8

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