



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1500mm HO 18.2W 830 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	Color rendering index (CRI)	80
Nominal lifetime	75,000 hour(s)	LLMF At End Of Nominal Lifetime (Nom)	70 %
Switching Cycle	200,000	Flickering value (PstLM) - Flickering value as per EN 61000-3-3	0.5
Lighting Technology	LED	Stroboscopic effect visibility measure (SVM)	0.2
Flux measurement reference	Sphere	Photobiological safety according to EN 62471	RG0
CE mark	Yes		
EU RoHS compliant	Yes		
Light Technical		Operating and Electrical	
Color Code	830 [CCT of 3000K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	160 degree(s)	Input Frequency	50 to 60 Hz
Luminous Flux	2.900 lm	Power Consumption	18.2 W
Color Designation	White (WH)	Lamp Current (Max)	93 mA
Correlated Color Temperature (Nom)	3000 K	Lamp Current (Min)	77 mA
Luminous Efficacy (rated) (Nom)	159 lm/W	Starting Time (Nom)	0.5 s
Color Consistency	<6	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	58 W
Inrush current at mains	8.4
Max. lamp no. on MCB B type 10A – Mains	80
Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	80
Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	10
Max. lamp no. on MCB B type 16A – Mains	130
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	135
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	16
Ballast Compatibility	EM/Mains

Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	55 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,500 mm

Bulb Shape	T8
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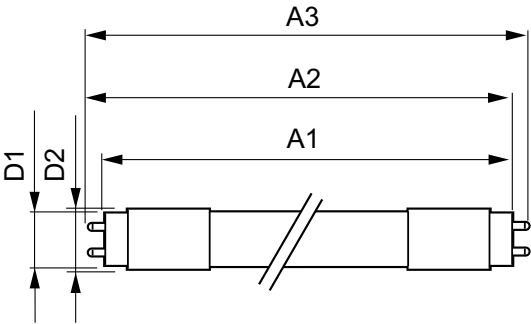
Approval and Application

Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	19 kWh
EPREL Registration Number	1206969

Product Data

Order product name	MAS LEDtube 1500mm HO 18.2W 830 T8
Full product name	MAS LEDtube 1500mm HO 18.2W 830 T8
Full product code	871869959241700
Order code	929001922902
Material Nr. (12NC)	929001922902
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699592417
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699592424

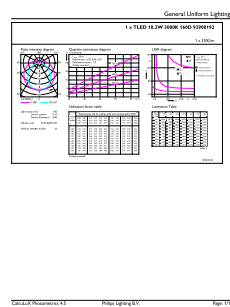
Dimensional drawing



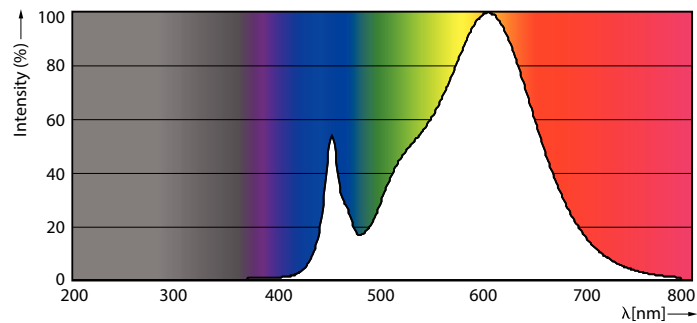
Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm HO 18.2W 830 T8	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm

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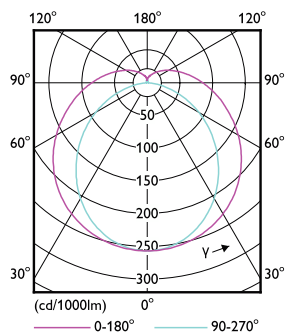
Photometric data



General uniform lighting - MAS LEDtube 1500mm HO 18.2W 830 T8

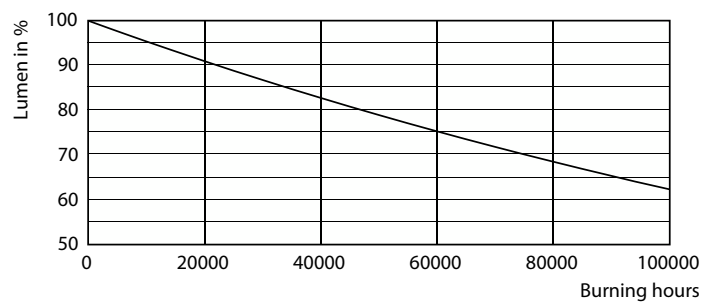


Spectral Power Distribution Colour - MAS LEDtube 1500mm HO 18.2W 830 T8

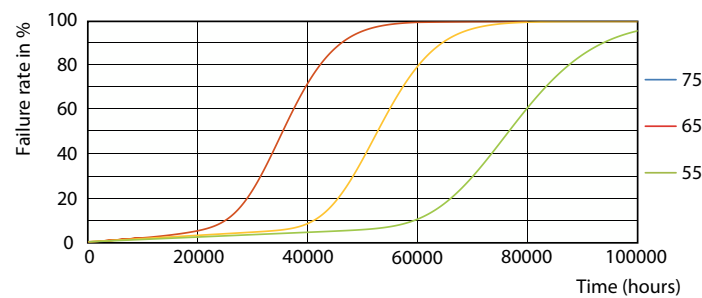


Light Distribution Diagram - MAS LEDtube 1500mm HO 18.2W 830 T8

Lifetime



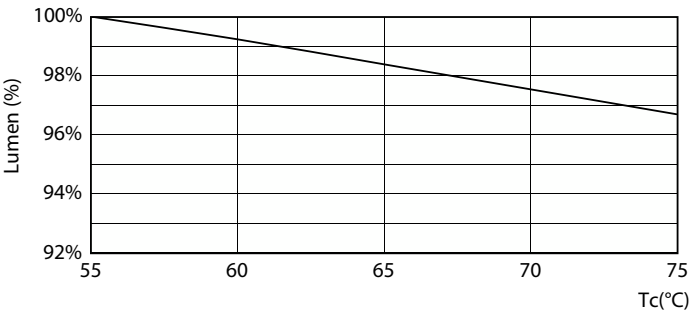
Lumen Maintenance Diagram - MAS LEDtube 1500mm HO 18.2W 830 T8



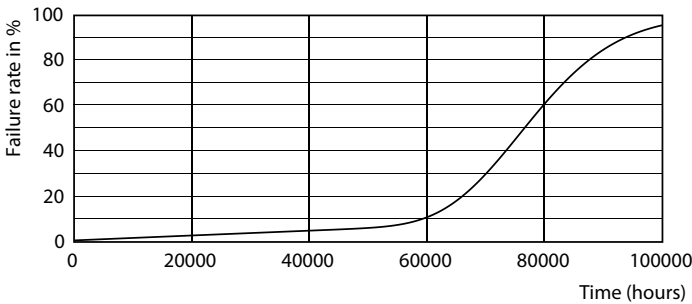
Life Expectancy Diagram - MAS LEDtube 1500mm HO 18.2W 830 T8

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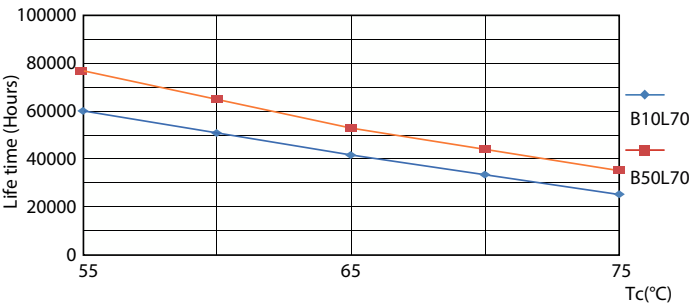
Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1500mm HO 18.2W 830 T8



Life Expectancy Diagram - MAS LEDtube 1500mm HO 18.2W 830 T8



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