PHILIPS

MAS LEDtube HF 600mm HO 8W830 T8

929001393132



MASTER, LEDtube, T8, HF, 600 mm, 8 W, 18W TL-D, 3000 K, 1000 lm, CRI 80, 75000 hour(s)



MASTER, LEDtube, T8, HF, 600 mm, 8 W, LED alternative to 18W TL-D, 3000 K, 1000 lm, CRI 80, 75000 hour(s), 125 lm/W, EEL E, G13 Rotatable end-cap, Beam angle 160 degree(s), Plastic, 600 mm, RG0, SDCM 6, PF 0.9, IP20

Warnings and Safety

- NOTES: The overall energy efficiency and light distribution of any installation that uses these lamps are determined by the design of the installation.

General Information

Cap-Base	G13 Rotatable end-cap
Nominal lifetime	75,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LEDtube
Flux measurement reference	Sphere
Warranty period	5 years

Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	125 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

Light Technical

Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	1,000 lm
Color Designation	White (WH)

Operating and Electrical

Line Frequency	20000-120000 Hz
Input Frequency	20000-120000 Hz
Power Consumption	8 W
Lamp Current (Max)	500 mA
Lamp Current (Min)	150 mA
Starting Time (Nom)	0.5 s

Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	20-50 V
LED alternative to fluorescent lamp power	18W TL-D
Inrush current at mains	-
Max. lamp no. on MCB B type 10A - Mains	-
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A - Mains	-
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	HF

Temperature

T-Case Maximum (Nom)	55 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	600 mm
Bulb Shape	T8
Net Weight (Piece)	0.100 kg

Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	1597256
CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C

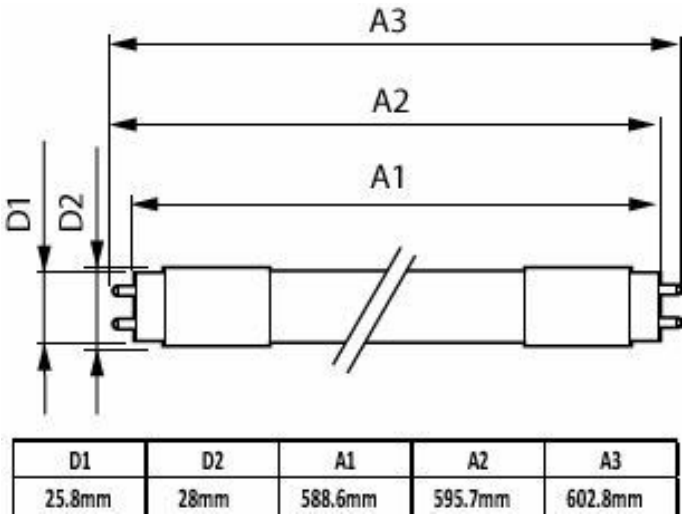
Application Conditions

Wireless Technology	Not applicable

Product Data

Order product name	MAS LEDtube HF 600mm HO 8W830 T8
Full product name	MAS LEDtube HF 600mm HO 8W830 T8
Full product code	871951446640100
Order code	929001393132
Material Nr. (12NC)	929001393132
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514466401
Numerator - Packs per outer box	20
EAN/UPC - Case	8719514466418

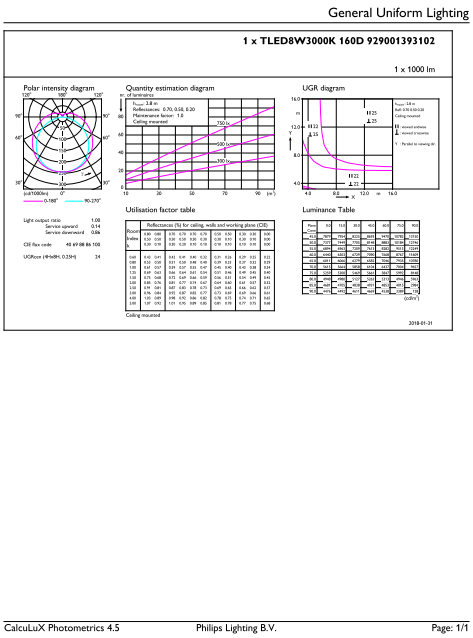
Dimensional drawing



D1	D2	A1	A2	A3
25.8mm	28mm	588.6mm	595.7mm	602.8mm

Product	D1	D2	A1	A2	A3
MAS LEDtube HF 600mm HO 8W830 T8	25.8 mm	28 mm	588.6 mm	595.7 mm	602.8 mm

Photometric data


General Uniform Lighting

1 x TLED8W3000K 160D 929001393102

1 x 1000 lm

Polar intensity diagram

Quantity estimation diagram

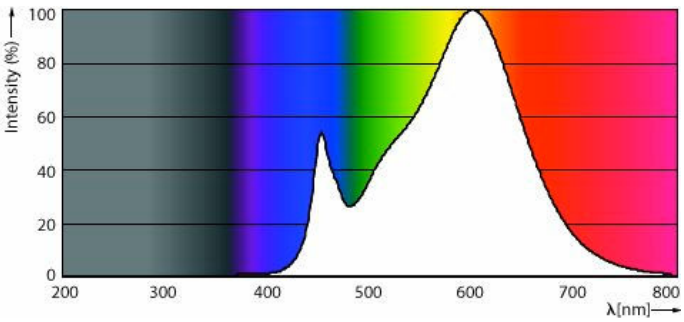
UGR diagram

Utilisation factor table

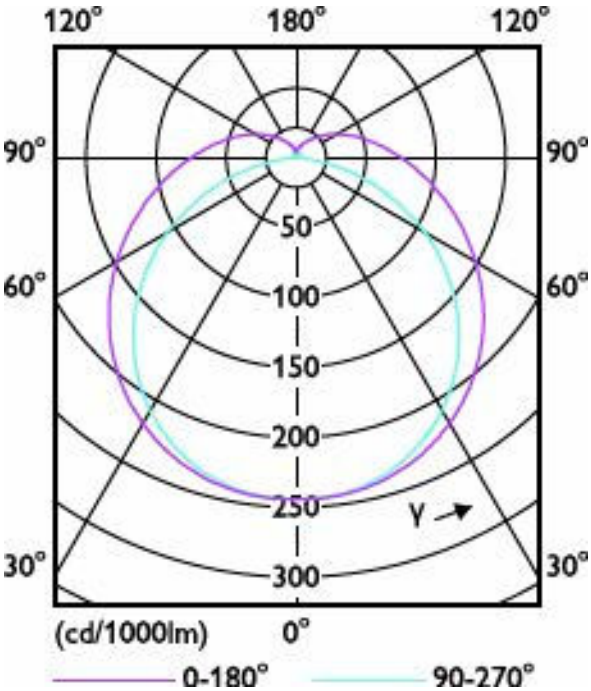
Luminance Table

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General uniform lighting - MAS LEDtube HF 600mm HO 8W830 T8

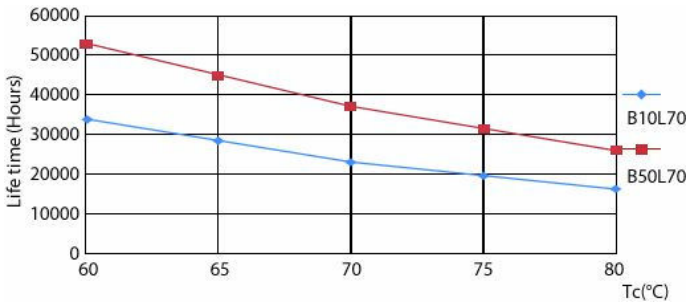


Spectral Power Distribution Colour - MAS LEDtube HF 600mm HO 8W830 T8

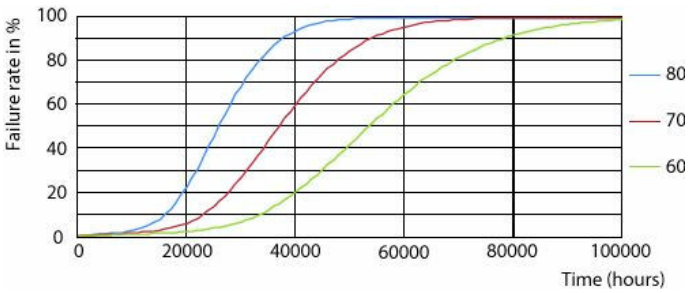


Light Distribution Diagram - MAS LEDtube HF 600mm HO 8W830 T8

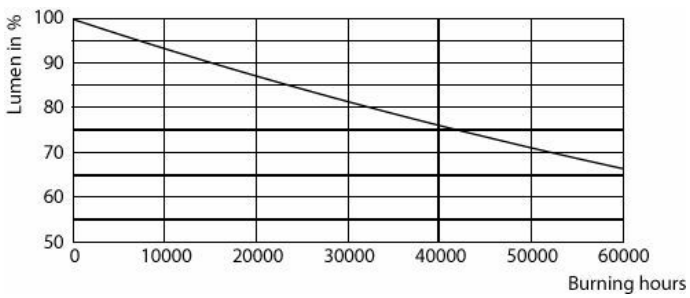
Lifetime



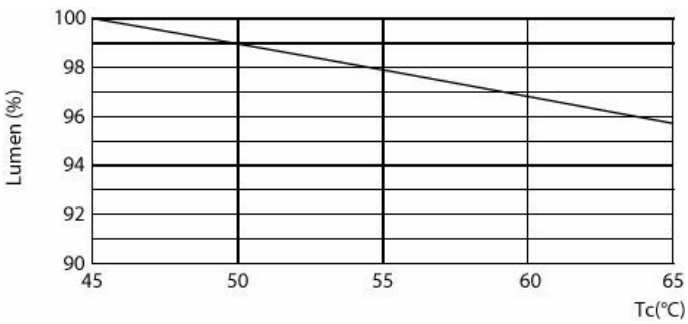
LifetimeVsTc



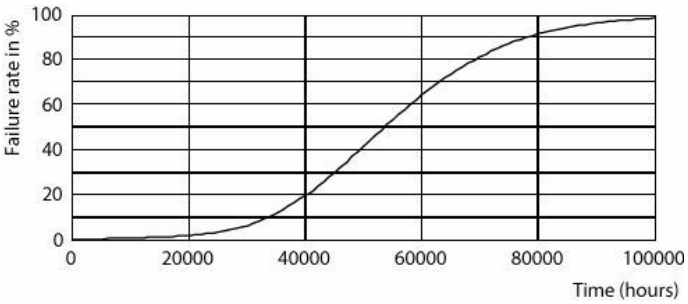
FailureRate



Lumen Maintenance Diagram - MAS LEDtube HF 600mm HO 8W830 T8



Lumen Maintenance Diagram - MAS LEDtube HF 600mm HO 8W830 T8



Life Expectancy Diagram

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	LEDtube_Installation_Guide_HF_1-INI.pdf	Download
Environmental Product Declaration	EPD-Philips-MAS-LEDtube-HF-600mm-HO-8W830-T8-929001393132-20240730.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	LEDtube_600mm_8W_G13_830_1000lm-IES.ies	Download

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