PHILIPS

MAS LEDtube HF 1200mm HE 16.5W 830 T5

929001391002



MASTER, LEDtube, T5, HF, 1200 mm, 16.5 W, 28W TL5 HE, 3000 K, 2300 lm, CRI 80, 60000 hour(s)



MASTER, LEDtube, T5, HF, 1200 mm, 16.5 W, LED alternative to 28W TL5 HE, 3000 K, 2300 lm, CRI 80, 60000 hour(s), 139.00 lm/W, EEL E, G5, Beam angle 200 degree(s), Glass, 1200 mm, RG0, SDCM 6, PF 0.92, IP20

General Information

Cap-Base	G5
Nominal lifetime	60,000 hour(s)
Switching Cycle	50,000
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	2,300 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	139.00 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	30K to 100K Hz
Input Frequency	30K to 100K Hz
Power Consumption	16.5 W
Lamp Current (Max)	350 mA
Lamp Current (Min)	150 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.92
Voltage (Nom)	70-120 V
LED alternative to fluorescent lamp power	28W TL5 HE
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)	65 °C

Controls and Dimming

Dimmable	Yes - Check ballast compatibility

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T5
Net Weight (Piece)	0.160 kg

Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	17 kWh
EPREL Registration Number	1384134
CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C

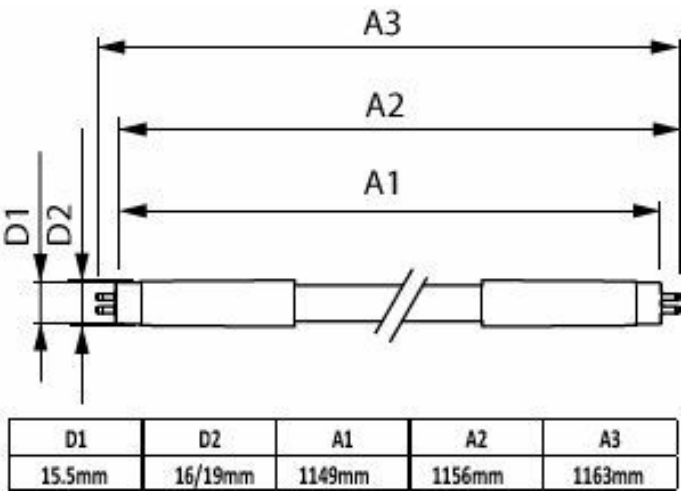
Application Conditions

Wireless Technology	Not applicable

Product Data

Order product name	MAS LEDtube HF 1200mm HE 16.5W 830 T5
Full product name	MAS LEDtube HF 1200mm HE 16.5W 830 T5
Full product code	871869674329400
Order code	929001391002
Material Nr. (12NC)	929001391002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696743294
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696743300

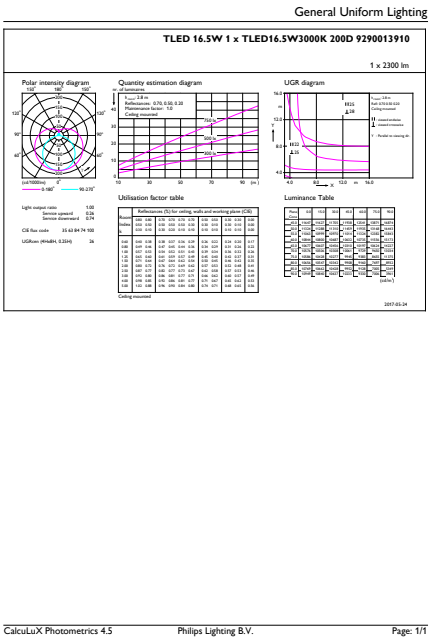
Dimensional drawing



D1	D2	A1	A2	A3
15.5mm	16/19mm	1149mm	1156mm	1163mm

Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1200mm HE 16.5W 830 T5	15.5 mm	16/19 mm	1,149 mm	1,156 mm	1,163 mm

Photometric data


General Uniform Lighting

TLED 16.5W 1 x TLED16.5W3000K 200D 9290013910

1 x 2300 lm

Polar intensity diagram

Quantity estimation diagram

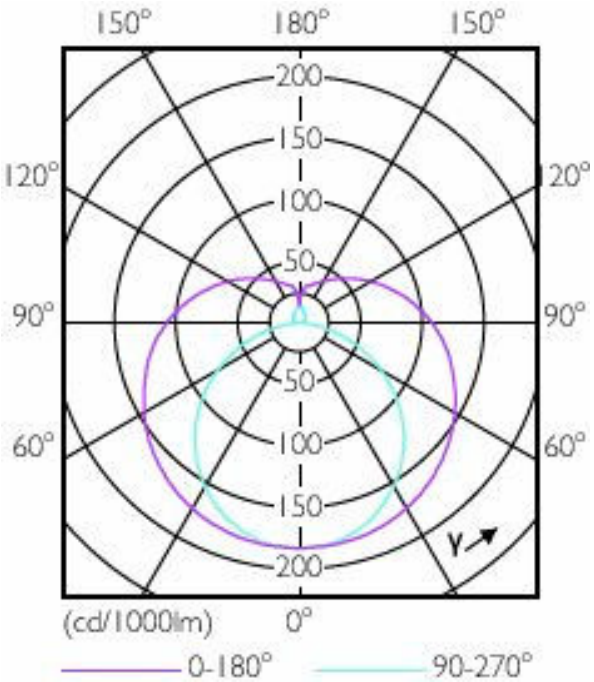
UGR diagram

Utilisation factor table

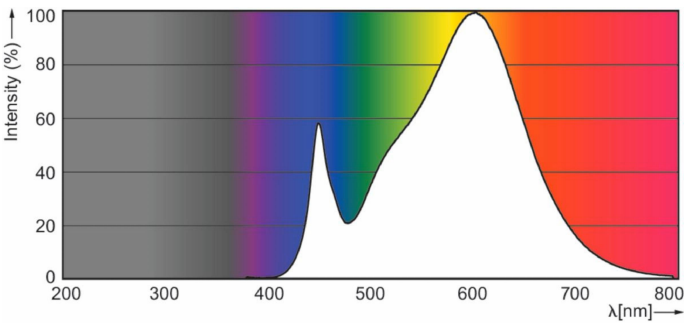
Luminance Table

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General uniform lighting - MAS LEDtube HF 1200mm HE 16.5W 830 T5

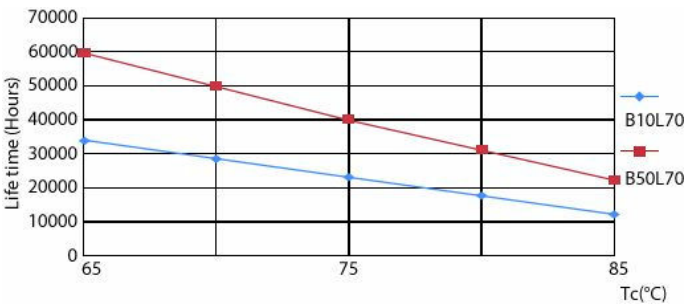


Light Distribution Diagram - MAS LEDtube HF 1200mm HE 16.5W 830 T5

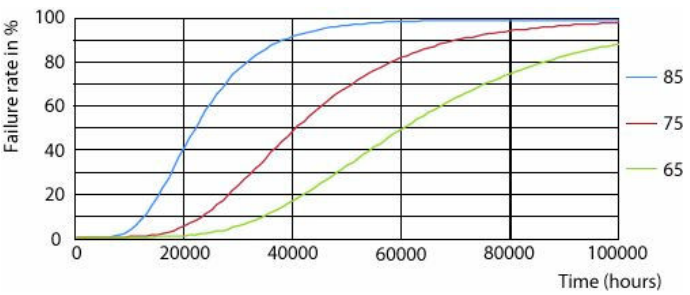


Spectral Power Distribution Colour - MAS LEDtube HF 1200mm HE 16.5W 830 T5

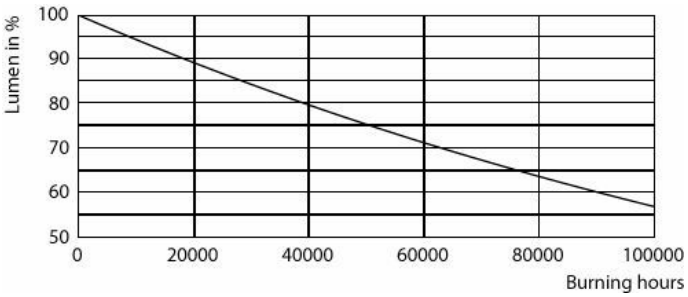
Lifetime



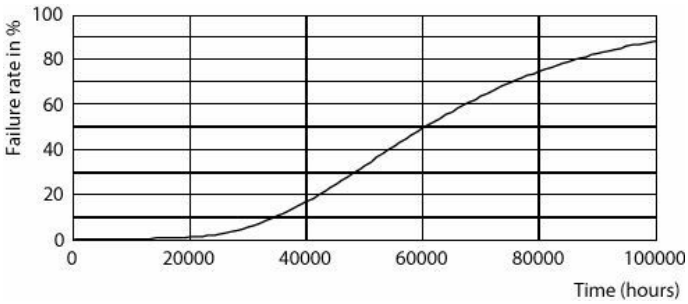
LifetimeVsTc



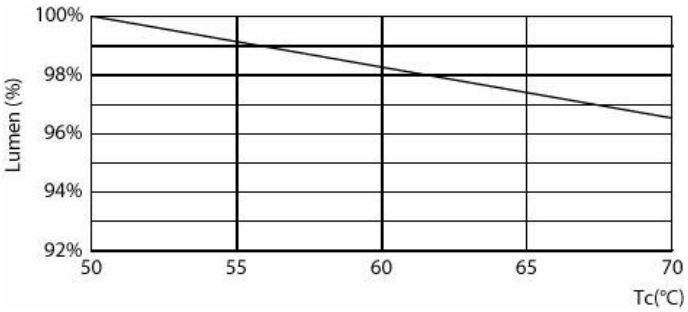
FailureRate



Lumen Maintenance Diagram - MAS LEDtube HF 1200mm HE 16.5W 830 T5



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDtube HF 1200mm HE 16.5W 830 T5

Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	Philips-MASTER-LEDtube-Mains-T5-COMF-3493011-Ref-929001391102-EPD.pdf	Download
Installation Instructions	LEDtube_Installation_Guide_HF_2-INI.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	LEDtube_1200mm_16-5W_G5_830_2300lm-IES.ies	Download

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