PHILIPS

MAS LEDtube HF 1500mm HE 20W 840 T5



929001391402

MASTER, LEDtube, T5, HF, 1500 mm, 20 W, 35W TL5 HE, 4000 K, 3000 lm, CRI 80, 60000 hour(s)



MASTER, LEDtube, T5, HF, 1500 mm, 20 W, LED alternative to 35W TL5 HE, 4000 K, 3000 lm, CRI 80, 60000 hour(s), 150 lm/W, EEL D, G5, Beam angle 200 degree(s), Glass, 1500 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	840 [CCT of 4000K]
Beam Angle (Nom)	200 degree(s)
Luminous Flux	3,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	150 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	20 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)	80-130 V
LED alternative to fluorescent lamp power	35W 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	1,500 mm
Bulb Shape	T5
Net Weight (Piece)	0.196 kg

Approval and Application

Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	1384138
CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C

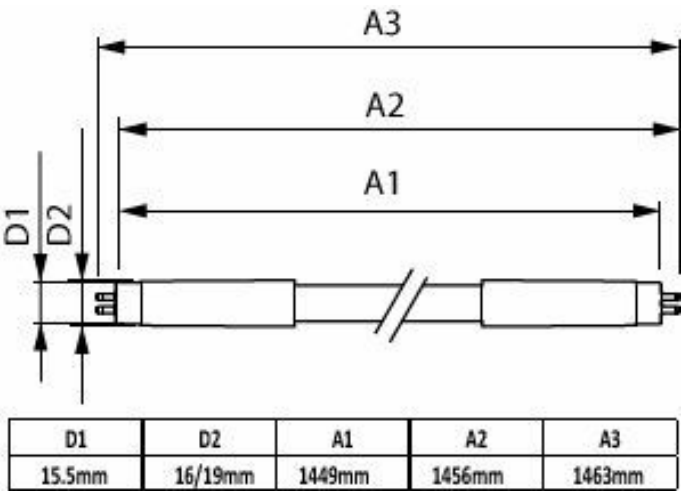
Application Conditions

Wireless Technology	Not applicable

Product Data

Order product name	MAS LEDtube HF 1500mm HE 20W 840 T5
Full product name	MAS LEDtube HF 1500mm HE 20W 840 T5
Full product code	871869674337900
Order code	929001391402
Material Nr. (12NC)	929001391402
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696743379
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696743386

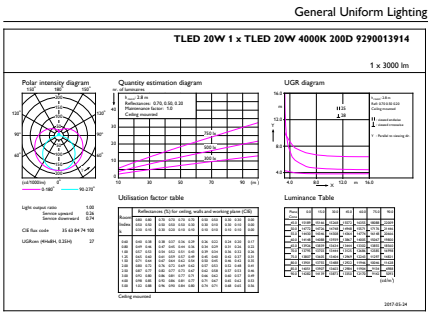
Dimensional drawing



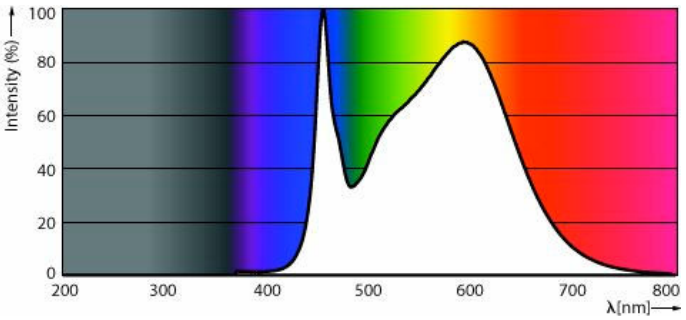
D1	D2	A1	A2	A3
15.5mm	16/19mm	1449mm	1456mm	1463mm

Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1500mm HE 20W 840 T5	15.5 mm	16/19 mm	1,449 mm	1,456 mm	1,463 mm

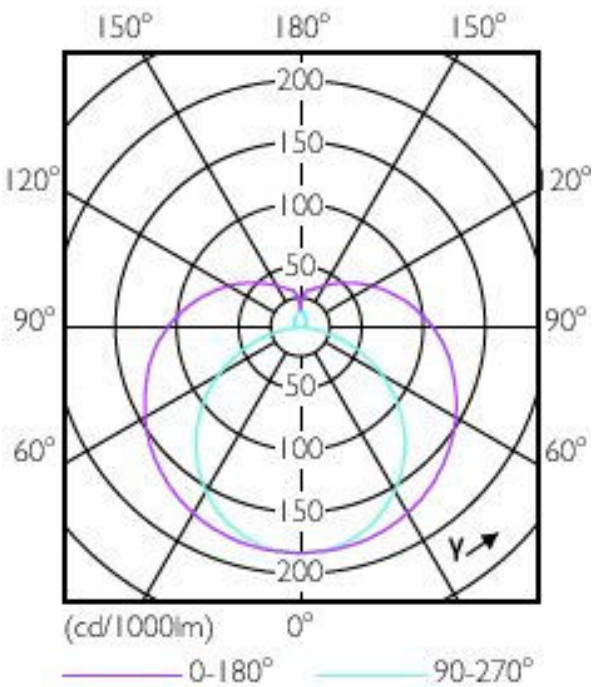
Photometric data



General uniform lighting - MAS LEDtube HF 1500mm HE 20W 840 T5

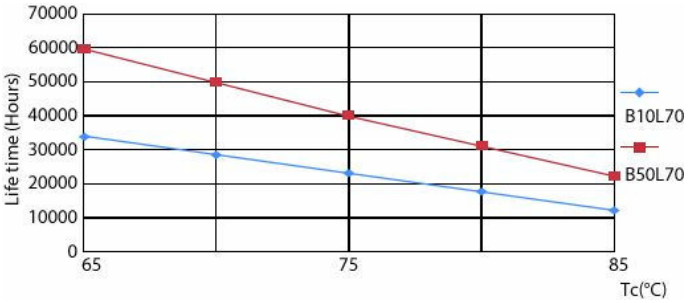


Spectral Power Distribution Colour - MAS LEDtube HF 1500mm HE 20W 840 T5

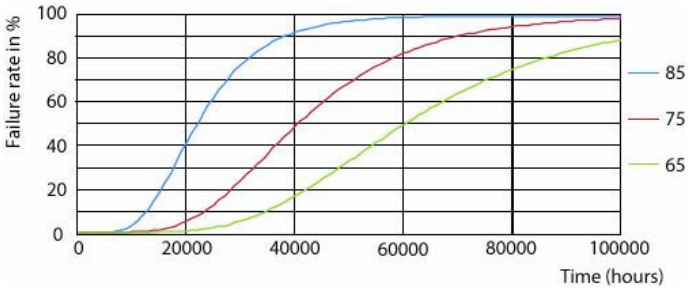


Light Distribution Diagram - MAS LEDtube HF 1500mm HE 20W 840 T5

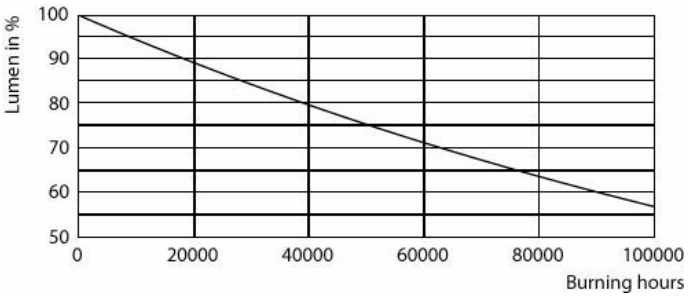
Lifetime



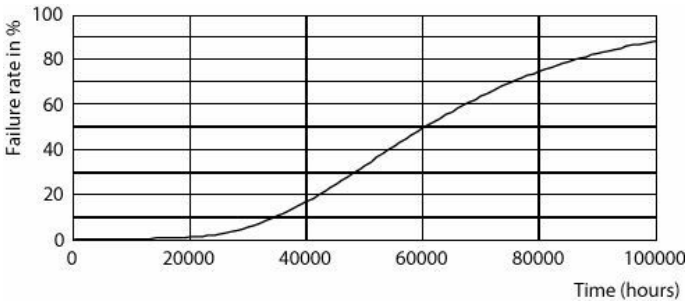
LifetimeVsTc



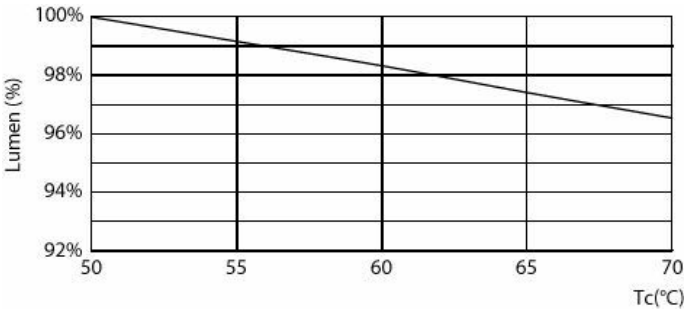
FailureRate



Lumen Maintenance Diagram - MAS LEDtube HF 1500mm HE 20W 840 T5



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDtube HF 1500mm HE 20W 840 T5

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	LEDtube_Installation_Guide_HF_2-INI.pdf	Download
Environmental Product Declaration	Philips-MASTER-LEDtube-HF-T5-COMF-3493011-Ref-929001391402-EPD.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	LEDtube_1500mm_20W_G5_840_3000lm-IES.ies	Download

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