PHILIPS

MAS LEDtube 1200mm UO 13.5W 865 T8 EELB

929004242002



MASTER, LEDtube, T8, EM/Mains, 1200 mm, 13.5 W, 36W TL-D, 6500 K, 2500 lm, CRI 80, 75000 hour(s)

MASTER, LEDtube, T8, EM/Mains, 1200 mm, 13.5 W, LED alternative to 36W TL-D, 6500 K, 2500 lm, CRI 80, 75000 hour(s), 185 lm/W, EEL B, G13 Rotatable end-cap, Beam angle 160 degree(s), Plastic, 40 %, 1200 mm, RG0, SDCM 6, PF 0.9, IP20, SVM 0.1, PstLM 0.1

General Information

Cap-Base	G13 Rotatable end-cap
Nominal lifetime	75,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LEDtube
Flux measurement reference	Sphere
Warranty period	5 years

Light Technical

Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,500 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	185 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

Input Frequency	50 to 60 Hz
Power Consumption	13.5 W
Lamp Current (Max)	69 mA
Lamp Current (Min)	56 mA

Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	36W TL-D
Inrush current at mains	7.4
Max. lamp no. on MCB B type 10A - Mains	100
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	100
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	15
Max. lamp no. on MCB B type 16A - Mains	160
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	160
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	25
Ballast Compatibility	EM/Mains

Temperature

T-Case Maximum (Nom)	50 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.220 kg

Approval and Application

Energy Efficiency Class	B
Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	14 kWh
EPREL Registration Number	2571892
CE mark	Yes
EU RoHS compliant	Yes
LED Innovations	UltraEfficient
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	0.1
Stroboscopic effect visibility measure (SVM)	0.1
Ambient temperature range	-20 to +45 °C
Post-consumer recycled plastic material ratio	40 %

Application Conditions

can it be used in closed luminaires	Yes
Wireless Technology	Not applicable

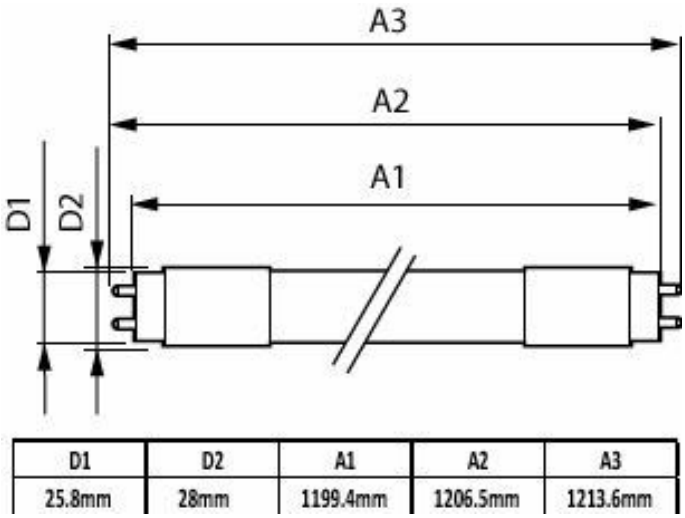
Sustainability Data

Sustainability rating	Signify Circle
Product non-virgin material ratio	26.8 %

Product Data

Order product name	MAS LEDtube 1200mm UO 13.5W 865 T8 EELB
Full product name	MAS LEDtube 1200mm UO 13.5W 865 T8 EELB
Full product code	872016938797300
Order code	929004242002
Material Nr. (12NC)	929004242002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169387973
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169387980

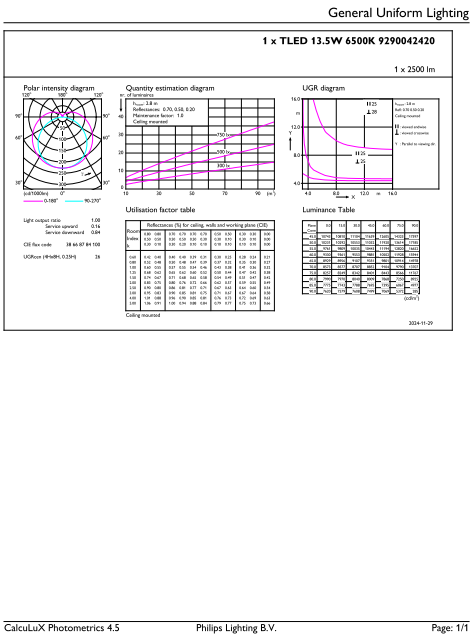
Dimensional drawing



D1	D2	A1	A2	A3
25.8mm	28mm	1199.4mm	1206.5mm	1213.6mm

Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm UO 13.5W 865 T8 EELB	25.8 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

Photometric data


General Uniform Lighting

1 x TLED 13.5W 6500K 9290042420

1 x 2500 lm

Polar intensity diagram

Quantity estimation diagram

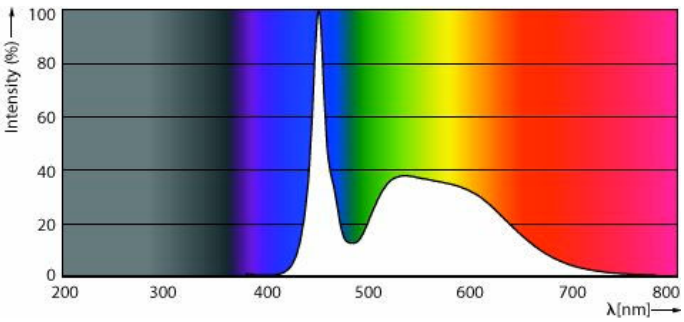
UGR diagram

Utilisation factor table

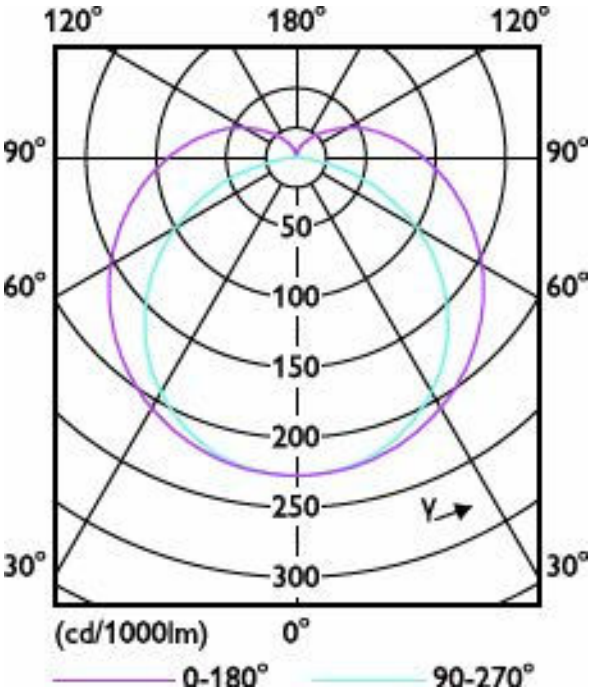
Luminance Table

CalcuLuX Photometrics 4.5 Philips Lighting B.V. Page: 1/1

General uniform lighting - MAS LEDtube 1200mm UO 13.5W 865 T8 EELB

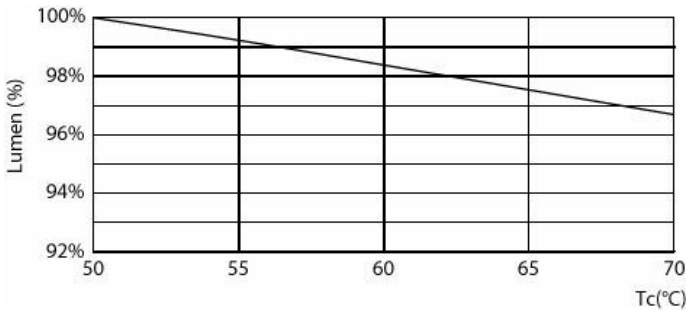


Spectral Power Distribution Colour - MAS LEDtube 1200mm UO 13.5W 865 T8 EELB

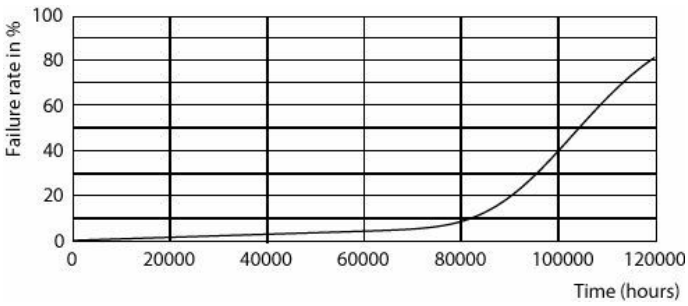


Light Distribution Diagram - MAS LEDtube 1200mm UO 13.5W 865 T8 EELB

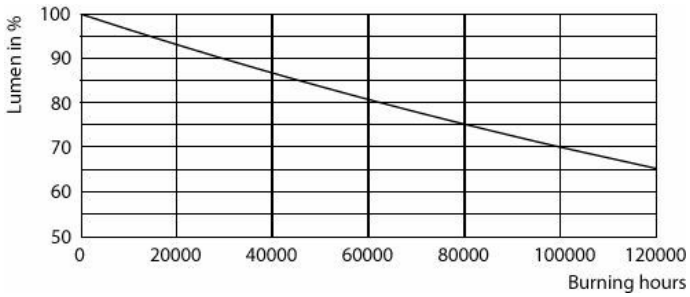
Lifetime



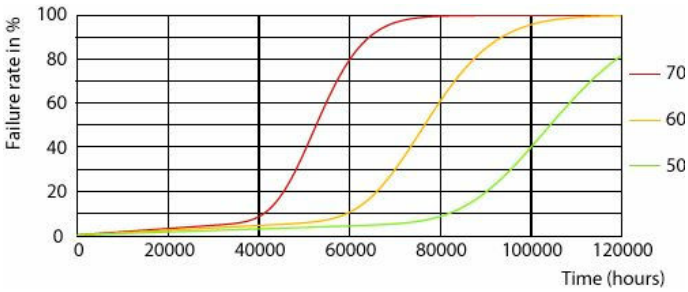
Lumen Maintenance Diagram - MAS LEDtube 1200mm UO 13.5W 865 T8 EELB



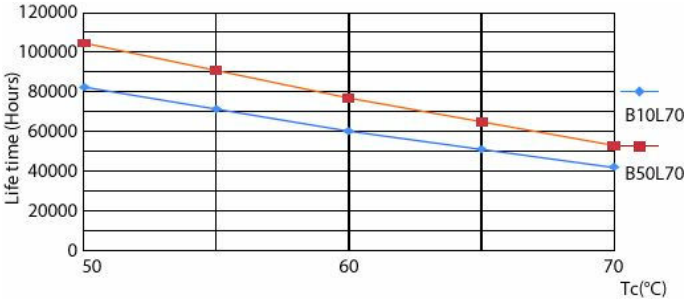
Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDtube 1200mm UO 13.5W 865 T8 EELB



Life Expectancy Diagram



Life Expectancy Diagram

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	online-QIG-for-324166166411-MAS-LEDtube-installation-guide-INI.pdf	Download
Environmental Product Declaration	Philips-MASTER-LEDtube-EM-Mains-T8-COMF-2167-Ref-929004241902-EPD.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	MAS-LEDtube-1200mm-UO-13-5W-865-T8-9290042420-IES.IES	Download
LDT File	MAS-LEDtube-1200mm-UO-13-5W-865-T8-EELB-9290042420-LDT.ldt	Download

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