PHILIPS

Lighting

MASTER Value LED tube EM/Mains T8

MASTER LEDtube VLE 600mm HO 8W 865 T8

MASTER Value, LEDtube, T8, EM/Mains, 600 mm, 220-240 V, 8 W, 18W TL-D, 6500 K, 1050 lm, CRI 80, 60000 hour(s)

MASTER Value, LEDtube, T8, EM/Mains, 600 mm, 220-240 V, 8 W, LED alternative to 18W TL-D, 6500 K, 1050 lm, CRI 80, 60000 hour(s), 131 lm/W, EEL E, G13, Beam angle 190 degree(s), Glass, 0 %, 600 mm, RG0, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

Product data

General Information	
Cap-Base	G13
Nominal lifetime	60,000 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)	190 degree(s)
Luminous Flux	1,050 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	131 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	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	8 W
Lamp Current (Max)	38 mA
Lamp Current (Min)	34 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	18W TL-D
Inrush current at mains	4.5
Max. lamp no. on MCB B type 10A - Mains	160

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Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	210
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	20
Max. lamp no. on MCB B type 16A - Mains	270
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	350
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	30
Ballast Compatibility	EM/Mains

Temperature

T-Case Maximum (Nom)	55 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	600 mm
Bulb Shape	T8
Net Weight (Piece)	0.110 kg

Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	8 kWh

EPREL Registration Number	2602401
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +45 °C
Post-consumer recycled plastic material ratio	0 %

Application Conditions

Wireless Technology	Not applicable

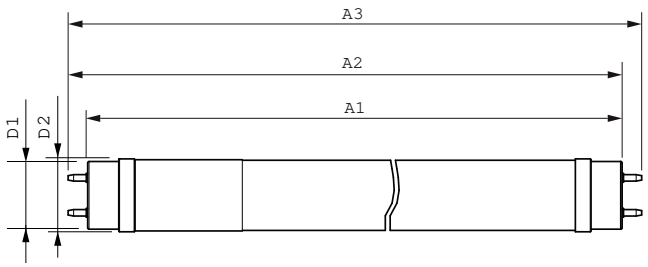
Sustainability Data

Product non-virgin material ratio	0 %

Product Data

Order product name	MAS LEDtube VLE 600mm HO 8W 865 T8
Full product name	MASTER LEDtube VLE 600mm HO 8W 865 T8
Full product code	871869964683700
Order code	64683700
Material Nr. (12NC)	929002021302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699646837
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699646844

Dimensional drawing



D1	D2	A1	A2	A3
25.8mm	28mm	589.8mm	596.9mm	604mm

Product	D1	D2	A1	A2	A3
MAS LEDtube VLE 600mm HO 8W 865 T8	25.8 mm	28 mm	589.8 mm	596.9 mm	604 mm

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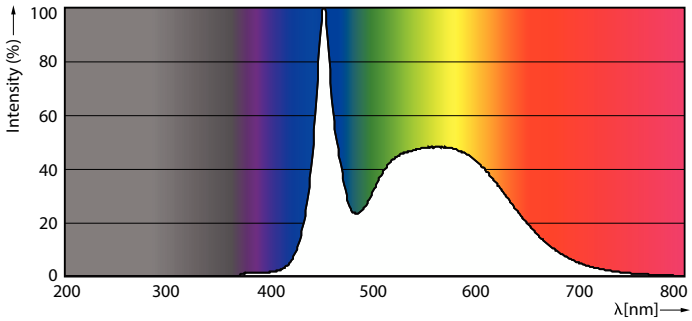
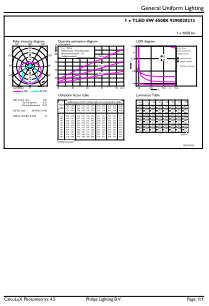
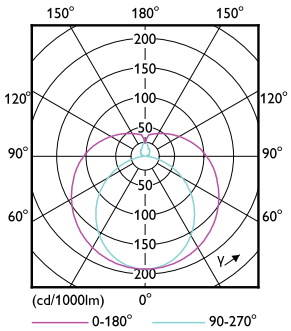
Photometric data



Spectral Power Distribution Colour - MAS LEDtube VLE 600mm HO 8W 865 T8

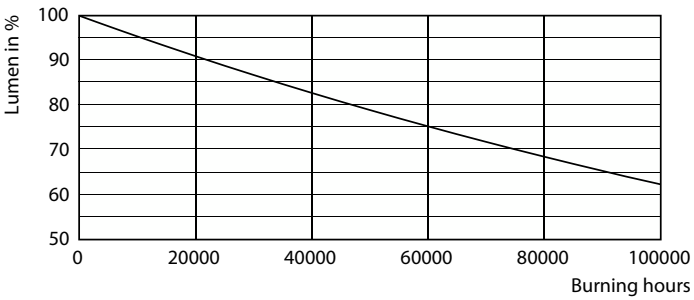


General uniform lighting - MAS LEDtube VLE 600mm HO 8W 865 T8

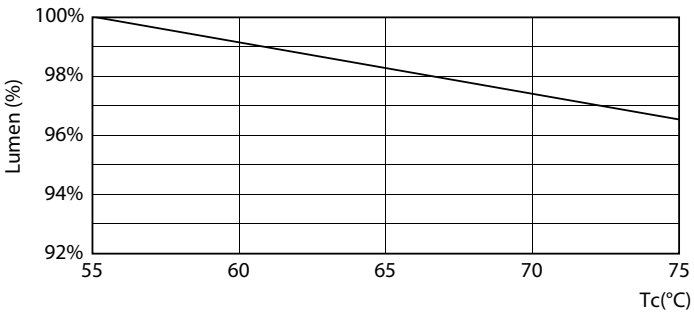


Light Distribution Diagram - MAS LEDtube VLE 600mm HO 8W 865 T8

Lifetime



Lumen Maintenance Diagram - MAS LEDtube VLE 600mm HO 8W 865 T8



Lumen Maintenance Diagram - MAS LEDtube VLE 600mm HO 8W 865 T8

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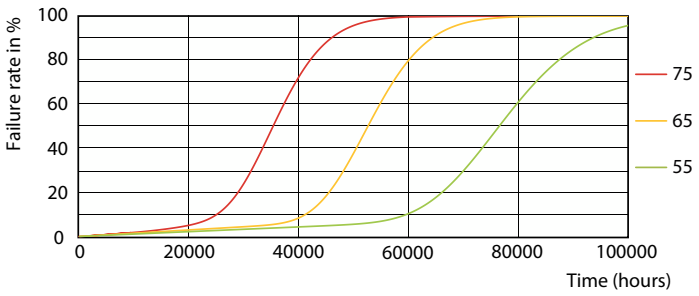
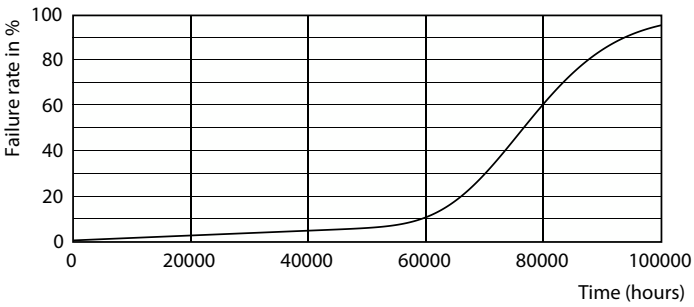
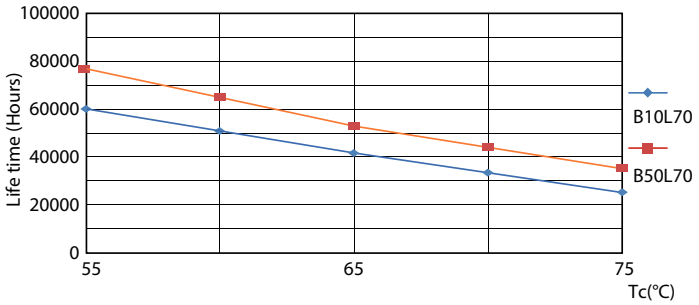
Lifetime



LEDtube-75K-5575-FailureRate-LED



Life Expectancy Diagram



LifetimeVsTc

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