

# MASTER Value LED tube EM/Mains T8



## MAS 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)

A high-performance LED solution, the professional MASTER Value LED tube is ideal for replacing T8 fluorescent lamps using EM ballast or installing directly on the mains. This product provides an optimal combination of value and performance – for use in all general lighting, office, industry, retail, and hospitality applications. The unique design of this LED T8 tube light offers wide compatibility, safety and fast installation, as well as instant energy savings.

### Product data

General Information		Color Consistency	
Cap-Base	G13	Color Consistency	<6
Nominal lifetime	60,000 hour(s)	Color rendering index (CRI)	80
Switching Cycle	200,000	LLMF At End Of Nominal Lifetime (Nom)	70 %
Lighting Technology	LEDtube	Photobiological safety according to EN 62471	RG0
Flux measurement reference	Sphere	Operating and Electrical	
Warranty period	5 years	Line Frequency	50 to 60 Hz
Light Technical		Input Frequency	50 to 60 Hz
Color Code	865 [CCT of 6500K]	Power Consumption	8 W
Beam Angle (Nom)	190 degree(s)	Lamp Current (Max)	38 mA
Luminous Flux	1,050 lm	Lamp Current (Min)	34 mA
Color Designation	Cool Daylight	Starting Time (Nom)	0.5 s
Correlated Color Temperature (Nom)	6500 K	Warm-up time to 60% light	0.5 s
Luminous Efficacy (rated) (Nom)	131 lm/W	Power Factor (Fraction)	0.9
		Voltage (Nom)	220-240 V

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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
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
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## Controls and Dimming

Dimmable	No
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## 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	1095864
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
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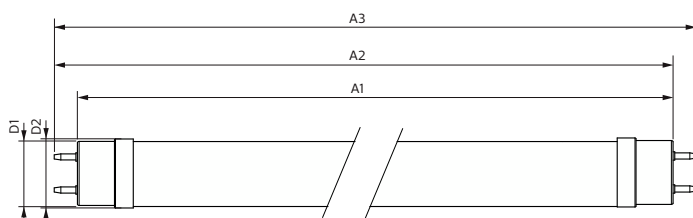
## Sustainability Data

Product non-virgin material ratio	0 %
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## Product Data

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

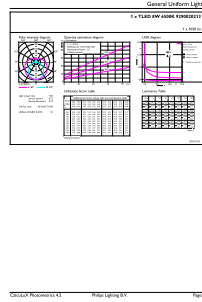
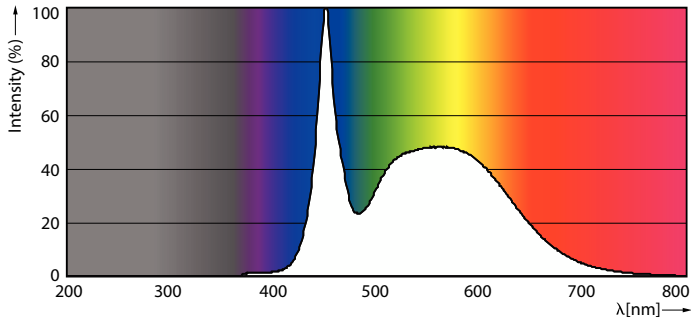
## Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube VLE 600mm HO 8W 865 T8	25.8 mm	28 mm	588.5 mm	595.5 mm	602.5 mm

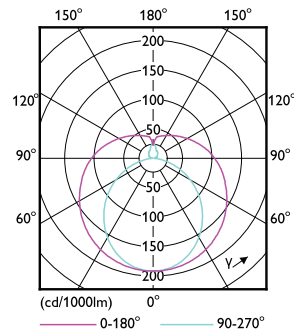
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## Photometric data



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

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

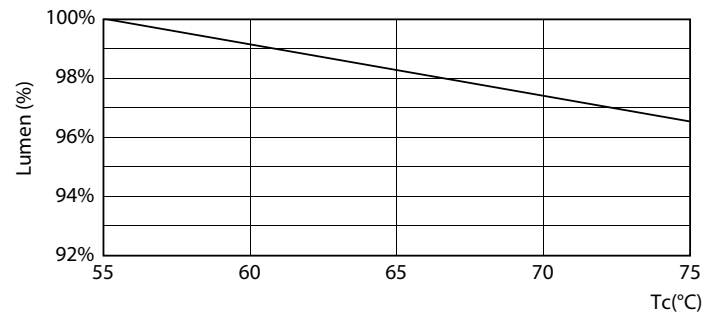


Light Distribution Diagram - MAS LEDtube VLE 600mm HO 8W 865 T8

## 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

