



# MASTER Value LED tube EM/Mains T8



## MAS LEDtube VLE 1500mm 19.3W/23W 830 T8

MASTER Value, LEDtube, T8, EM/Mains, 1500 mm, 19.3 W, 23 W, 58W TL-D, 3000 K, 2900 lm, 3400 lm, CRI 80, 75000 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 rendering index (CRI)	<6
Nominal lifetime	75,000 hour(s)	LLMF At End Of Nominal Lifetime (Nom)	70 %
Switching Cycle	200,000	Photobiological safety according to EN 62471	RG0
Lighting Technology	LEDtube	All-in Type	All-in, Multi Lumen
Flux measurement reference	Sphere	Operating and Electrical	
Warranty period	5 years	Input Frequency	50 to 60 Hz
Light Technical		Power Consumption	19.3 23 W
Color Code	830 [CCT of 3000K]	Lamp Current (Max)	120 mA
Beam Angle (Nom)	190 degree(s)	Lamp Current (Min)	100 mA
Luminous Flux	2,900 3,400 lm	Starting Time (Nom)	0.5 s
Color Designation	White (WH)	Warm-up time to 60% light	0.5 s
Correlated Color Temperature (Nom)	3000 K	Power Factor (Fraction)	0.9
Luminous Efficacy (rated) (Nom)	147 lm/W	Voltage (Nom)	220-240 V

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LED alternative to fluorescent lamp power	58W TL-D
Inrush current at mains	6.2/6.3
Max. lamp no. on MCB B type 10A – Mains	80/70
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	80/70
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	15
Max. lamp no. on MCB B type 16A – Mains	130/120
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	130/120
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	25
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	1,500 mm
Bulb Shape	T8
Net Weight (Piece)	0.240 kg

### Approval and Application

Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate

Energy Consumption kWh/1000 h	23 kWh
EPREL Registration Number	2519081
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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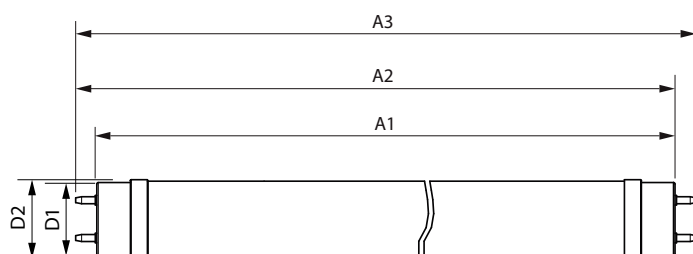
### Sustainability Data

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

Order product name	MAS LEDtube VLE 1500mm 19.3W/23W 830 T8
Full product name	MAS LEDtube VLE 1500mm 19.3W/23W 830 T8
Full product code	872110313917700
Order code	929004356702
Material Nr. (12NC)	929004356702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103139177
Numerator - Packs per outer box	20
EAN/UPC - Case	8721103139184

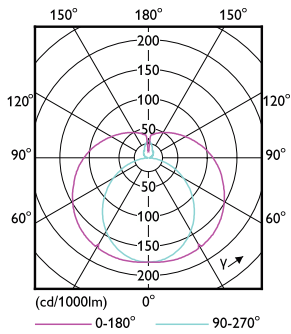
## Dimensional drawing



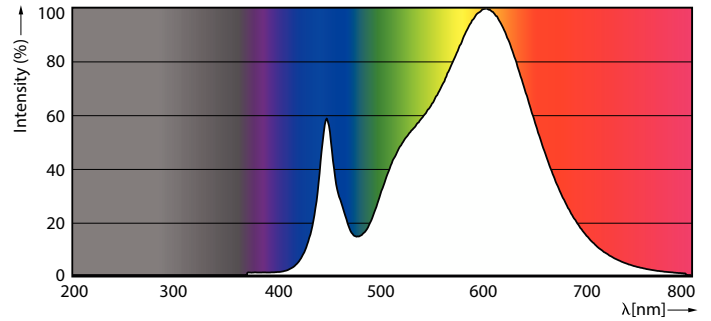
Product	D1	D2	A1	A2	A3
MAS LEDtube VLE 1500mm 19.3W/23W 830 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm

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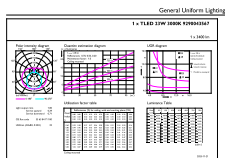
## Photometric data



Light Distribution Diagram - MAS LEDtube VLE 1500mm 19.3W/23W 830 T8



Spectral Power Distribution Colour - MAS LEDtube VLE 1500mm 19.3W/23W 830 T8

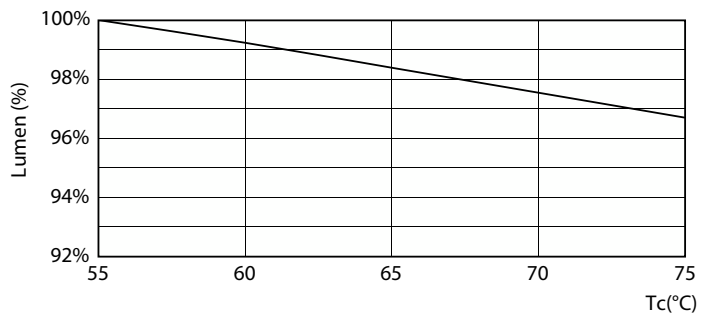


General uniform lighting - MAS LEDtube VLE 1500mm 19.3W/23W 830 T8

## Lifetime



Lumen Maintenance Diagram - MAS LEDtube VLE 1500mm 19.3W/23W 830 T8



Lumen Maintenance Diagram - MAS LEDtube VLE 1500mm 19.3W/23W 830 T8

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## Lifetime



LEDtube-75K-5575-FailureRate-LED

Life Expectancy Diagram



LifetimeVsTc

