



# MASTER Value LEDtube T8

## MAS LEDtube VLE 1500mm HO 20.5W 865 T8

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					
Cap-Base	G13 [Medium Bi-Pin Fluorescent]				
Nominal lifetime	60,000 hour(s)				
Switching Cycle	200,000				
Lighting Technology	LED				
Flux measurement reference	Sphere				
Light Technical					
Color Code	865 [CCT of 6500K]				
Beam Angle (Nom)	190 degree(s)				
Luminous Flux	3,100 lumen				
Color Designation	Cool Daylight				
Correlated Color Temperature (Nom)	6500 K				
Luminous Efficacy (rated) (Nom)	151 lm/W				
Color Consistency	<6				
Color rendering index (CRI)	80				
LLMF At End Of Nominal Lifetime (Nom) 70 %					

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	20.5 W
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
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	65 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass

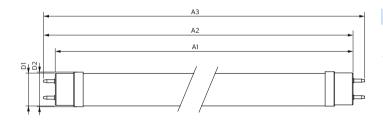
Datasheet, 2023, May 22 data subject to change

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Product Length	1,500 mm			
Bulb Shape	Tube, double-ended			
Approval and Application				
Energy Saving Product	Yes			
Approval Marks	RoHS compliance TUV CE marking KEMA Keur			
	certificate			
Energy Consumption kWh/1000 h	21 kWh			
EPREL Registration Number	1,095,870			
CE mark	Yes			
EU RoHS compliant	Yes			

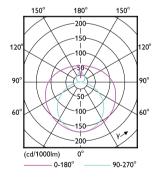
Product Data	
Full product code	871869964695000
Order product name	MAS LEDtube VLE 1500mm HO 20.5W 865 T8
Order code	929002021902
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929002021902
Full product name	MAS LEDtube VLE 1500mm HO 20.5W 865 T8
EAN/UPC - Case	8718699646967

# Dimensional drawing

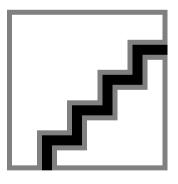


Product	D1	D2	A1	A2	А3
MAS LEDtube VLE 1500mm HO	25.8 mm	28 mm	1,498.7 mm	1,505.8 mm	1,512.9 mm
20.5W 865 T8					

#### Photometric data



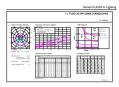
Light Distribution Diagram - MAS LEDtube VLE 1500mm HO 20.5W 865 T8



Spectral Power Distribution Colour - MAS LEDtube VLE 1500mm HO 20.5W  $865\,T8$ 

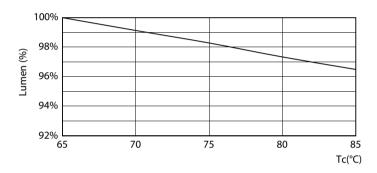
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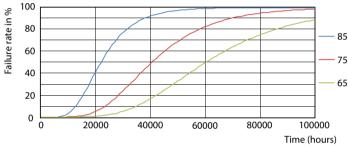
#### Photometric data



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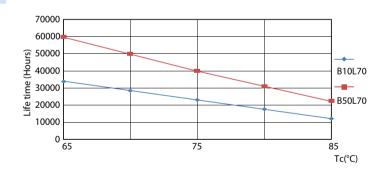
## Lifetime





Lumen Maintenance Diagram - MAS LEDtube VLE 1500mm HO 20.5W 865 T8

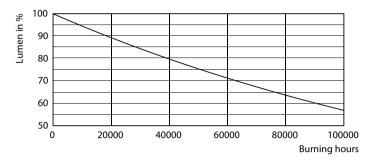
Life Expectancy Diagram - MAS LEDtube VLE 1500mm HO 20.5W 865 T8

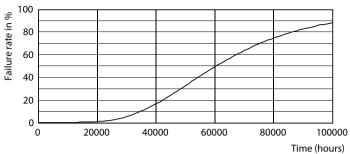


Life Expectancy Diagram - MAS LEDtube VLE 1500mm HO 20.5W 865 T8

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#### Lifetime





Lumen Maintenance Diagram - MAS LEDtube VLE 1500mm HO 20.5W 865 T8

Life Expectancy Diagram - MAS LEDtube VLE 1500mm HO 20.5W 865 T8



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