PHILIPS

# Lighting

**PHILIPS** 

# MASTER Value LEDtube T8

# MAS LEDtube VLE 1500mm HO 20.5W 830 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	830 [CCT of 3000K]				
Beam Angle (Nom)	190 degree(s)				
Luminous Flux	2,900 lumen				
Color Designation	White (WH)				
Correlated Color Temperature (Nom)	3000 К				
Luminous Efficacy (rated) (Nom)	141.00 lm/W				
Color Consistency	<6				
Color rendering index (CRI)	80				
LLMF At End Of Nominal Lifetime (Nom) 70 %					

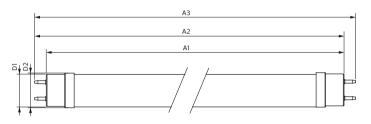
Operating and Electrical			
Line Frequency	50 to 60 Hz		
Input Frequency	50 to 60 Hz		
Power Consumption	20.5 W		
Starting Time (Nom)	0.5 s		
Warm-up time to 60% light	0.5 s		
Power Factor (Fraction)	0.9		
Voltage (Nom)	220-240 V		
Temperature			
Ambient temperature range	-20 °C to 45 °C		
T-Case Maximum (Nom)	65 ℃		
Controls and Dimming			
Dimmable	No		
Mechanical and Housing			
Bulb Finish	Frosted		
Bulb Material	Glass		

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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	1,095,868			
CE mark	Yes			
EU RoHS compliant	Yes			

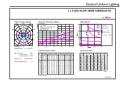
Product Data				
Full product code	871869964691200			
Order product name	MAS LEDtube VLE 1500mm HO 20.5W 830 T8			
Order code	929002021702			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	10			
Material number (12NC)	929002021702			
Full product name	MAS LEDtube VLE 1500mm HO 20.5W 830 T8			
EAN/UPC - Case	8718699646929			

#### Dimensional drawing

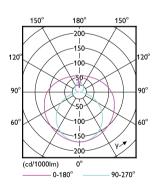


Product	D1	D2	A1	A2	A3
MAS LEDtube VLE 1500mm HO	25.8 mm	28 mm	1,498.7 mm	1,505.8 mm	1,512.9 mm
20.5W 830 T8					

#### Photometric data



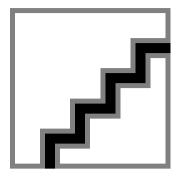
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Light Distribution Diagram - MAS LEDtube VLE 1500mm HO 20.5W 830 T8

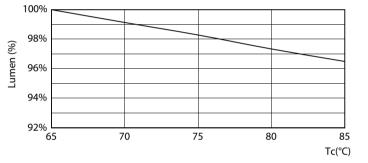
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#### Photometric data

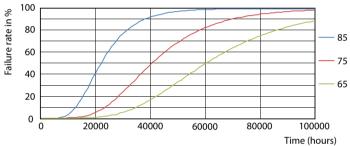


Spectral Power Distribution Colour - MAS LEDtube VLE 1500mm HO 20.5W 830 T8

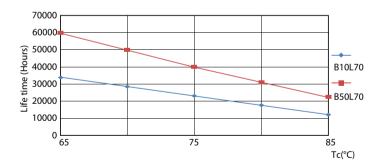
#### Lifetime



Lumen Maintenance Diagram - MAS LEDtube VLE 1500mm HO 20.5W 830 T8



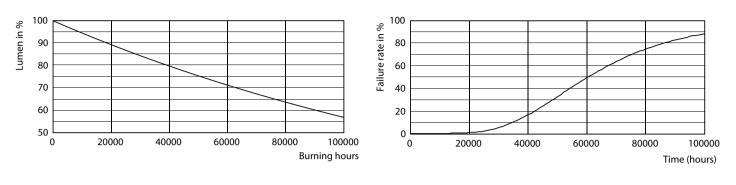




Life Expectancy Diagram - MAS LEDtube VLE 1500mm HO 20.5W 830 T8

# MASTER Value LEDtube T8

#### Lifetime



Lumen Maintenance Diagram - MAS LEDtube VLE 1500mm HO 20.5W 830 T8 Life Expectancy Diagram - MAS LEDtube VLE 1500mm HO 20.5W 830 T8



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