



# MASTER LEDtube EM/ Mains T8

## MASTER LEDtube 1500mm HO 23W840 T8

The Philips MASTER LEDtube integrates a LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance which cannot be distinguished from traditional fluorescent. For those that are looking for value for money within limited budget and re-lamping efforts for better light effect and lifetime.

#### **Warnings and Safety**

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#### **Product data**

General Information			
Cap-Base	G13 [Medium Bi-Pin Fluorescent]		
Nominal lifetime	50,000 hour(s)		
Switching Cycle	200,000		
Lighting Technology	LED		
EU RoHS compliant	Yes		
Light Technical			
Color Code	840 [CCT of 4000K]		
Beam Angle (Nom)	160 degree(s)		
Luminous Flux	3,100 lm		
Color Designation	Cool White (CW)		
Correlated Color Temperature (Nom)	4000 K		
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	23 W		
Lamp Current (Max)	105 mA		
Lamp Current (Min)	95 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		
Temperature			
Ambient temperature range	-20 °C to 35 °C		
T-Case Maximum (Nom)	55 °C		

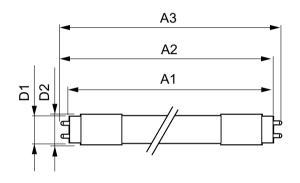
Datasheet, 2023, April 29 data subject to change

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Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Product Length	1,500 mm			
Approval and Application				
Energy Saving Product	Yes			
Suitable For Accent Lighting	No			
Approval Marks	CE marking RoHS compliance KEMA Keur			
	certificate			
Energy Consumption kWh/1000 h	23 kWh			

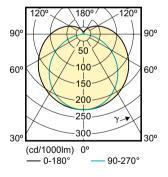
Product Data				
Order product name	MAS LEDtube 1500mm HO 23W840 T8			
Full product name	MASTER LEDtube 1500mm HO 23W840 T8			
Full product code	871829178958100			
Order code	78958100			
Material Nr. (12NC)	929001116102			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	8718291789581			
Numerator - Packs per outer box	10			
EAN/UPC - Case	8718291789598			

## Dimensional drawing

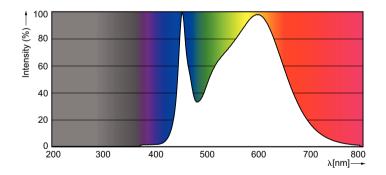


Product	D1	D2	A1	A2	А3
MAS LEDtube 1500mm HO	25.68 mm	28 mm	1,500.0 mm	1,507.1 mm	1,514.2 mm
23W840 T8					

## Photometric data



Light Distribution Diagram - MAS LEDtube 1500mm HO 23W840 T8



Spectral Power Distribution Colour - MAS LEDtube 1500mm HO 23W840 T8

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