# **PHILIPS** Lighting

## MASTER LEDtube EM/ Mains T8

### MAS LEDtube 1500mm HO 23W830 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. This product is the ideal solution for up lamping in general lighting applications.

#### Warnings and Safety

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#### **Product data**

General Information					
Cap-Base	G13 [Medium Bi-Pin Fluorescent] 50,000 hour(s) 200,000 LED				
Nominal lifetime					
Switching Cycle					
Lighting Technology					
EU RoHS compliant	Yes				
Light Technical					
Color Code	830 [CCT of 3000K] 160 degree(s) 2,900 lm				
Beam Angle (Nom)					
Luminous Flux					
Color Designation	White (WH)				
Correlated Color Temperature (Nom)	3000 К				
Color Consistency	<6				
Color rendering index (CRI)	80				
LLMF At End Of Nominal Lifetime (Nom) 70 %					

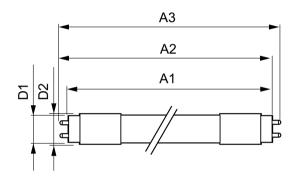
Operating and Electrical						
Line Frequency	50 to 60 Hz					
Input Frequency	50 to 60 Hz					
Power Consumption	23 W					
Lamp Current (Max)	105 mA					
Lamp Current (Min)	95 mA					
Starting Time (Nom)	0.5 s					
Warm-up time to 60% light	0.5 s					
Power Factor (Fraction)	0.9					
Voltage (Nom)	220-240 V					
Temperature						
Ambient temperature range	-20 °C to 35 °C					
T-Case Maximum (Nom)	55 °C					
Controls and Dimming						
Dimmable	No					

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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 23W830 T8			

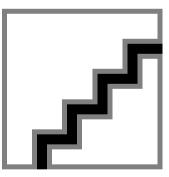
Full product name	MAS LEDtube 1500mm HO 23W830 T8 871829178956700 929001116002 929001116002 1			
Full product code				
Order code				
Material Nr. (12NC)				
Numerator - Quantity Per Pack				
EAN/UPC - Product/Case	8718291789567			
Numerator - Packs per outer box	10			
EAN/UPC - Case	8718291789574			

#### Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm HO	25.68 mm	28 mm	1,500.0 mm	1,507.1 mm	1,514.2 mm
23W830 T8					

#### Photometric data



Light Distribution Diagram - MAS LEDtube 1500mm HO 23W830 T8

Spectral Power Distribution Colour - MAS LEDtube 1500mm HO 23W830 T8

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