

PHILIPS

MASTER LEDtube EM/ Mains T8

MAS LEDtube 1500mm UO 24W 830 T8 G I

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. These T8 LED tubes are the right choice for absolute performance and are designed to stand up to everyday conditions. Unparalleled savings thanks to low energy consumption and an exceptionally long lifetime ensure this tube masters every demanding application.

Warnings and Safety

• NOTE: The overall energy efficiency and light distribution of any installation that uses these lamps will be determined by the design of the installation.

Product data

General Information					
Cap-Base	G13 [Medium Bi-Pin Fluorescent]				
Nominal lifetime	50,000 hour(s) 200,000 LED				
Switching Cycle					
Lighting Technology					
EU RoHS compliant	Yes				
Light Technical					
Color Code	830 [CCT of 3000K]				
Beam Angle (Nom)	160 degree(s)				
Luminous Flux	3,400 lm				
Color Designation	White (WH)				
Correlated Color Temperature (Nom)	3000 K				
Luminous Efficacy (rated) (Nom)	141.00 lm/W				

Color Consistency	<6			
Color rendering index (CRI)	83			
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	24 W			
Lamp Current (Max)	112 mA			
Lamp Current (Min)	103 mA			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			

Datasheet, 2023, November 12 data subject to change

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Voltage (Nom)	220-240 V				
Temperature					
Ambient temperature range	-20 °C to 45 °C				
T-Case Maximum (Nom)	60 °C				
Controls and Dimming					
Dimmable	No				
Mechanical and Housing					
Product Length	1,500 mm				
Bulb Shape	Tube, double-ended				
Approval and Application					
Energy Saving Product	Yes				
Approval Marks	TUV CE marking RoHS compliance KEMA Keur				

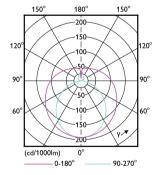
certificate

Energy Consumption kWh/1000 h	24 kWh				
Product Data					
Order product name	MAS LEDtube 1500mm UO 24W 830 T8 G I MAS LEDtube 1500mm UO 24W 830 T8 G I 871869963293900 929001923732 929001923732				
Full product name					
Full product code					
Order code					
Material Nr. (12NC)					
Numerator - Quantity Per Pack	1				
EAN/UPC - Product/Case	8718699632939				
Numerator - Packs per outer box	20				
EAN/UPC - Case	8718699632946				

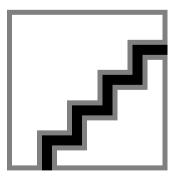
Dimensional drawing

Product	D1	D2	A1	A2	А3
MAS LEDtube 1500mm UO 24W	25.8 mm	28 mm	1,498.7 mm	1,505.8 mm	1,512.9 mm
830 T8 G I					

Photometric data



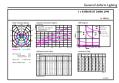
Light Distribution Diagram - MAS LEDtube 1500mm UO 24W 830 T8 G I



Spectral Power Distribution Colour - MAS LEDtube 1500mm UO 24W 830 T8 G I

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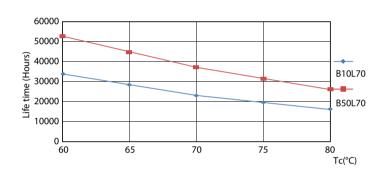
Photometric data



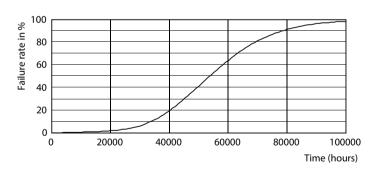
Calculus Photometrics 4.5 Philips Lighting Scy. Pages 191

General uniform lighting - MAS LEDtube 1500mm UO 24W 830 T8 G I

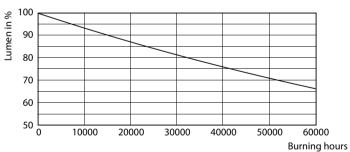
Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1500mm UO 24W 830 T8 G I



Life Expectancy Diagram - MAS LEDtube 1500mm UO 24W 830 T8 G I

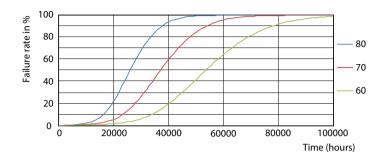


Life Expectancy Diagram - MAS LEDtube 1500mm UO 24W 830 T8 G I

Lumen Maintenance Diagram - MAS LEDtube 1500mm UO 24W 830 T8 G I

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Lifetime



Life Expectancy Diagram - MAS LEDtube 1500mm UO 24W 830 T8 G I



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