

## PHILIPS

# MASTER LEDtube EM/ Mains T8

## MAS LEDtube 1500mm UO 24W 865 T8 G

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	<b>D-Base</b> 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	865 [CCT of 6500K]			
Beam Angle (Nom)	160 degree(s)			
Luminous Flux	3,700 lm			
Color Designation	Cool Daylight			
Correlated Color Temperature (Nom)	6500 K			
Luminous Efficacy (rated) (Nom)	154.00 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

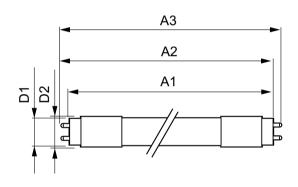
## **MASTER LEDtube EM/Mains T8**

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

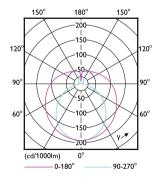
	24114			
Energy Consumption kWh/1000 h	24 kWh			
Product Data				
Order product name	MAS LEDtube 1500mm UO 24W 865 T8 G			
Full product name	MAS LEDtube 1500mm UO 24W 865 T8			
Full product code	871869959514200			
Order code	929001923902			
Material Nr. (12NC)	929001923902			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	8718699595142			
Numerator - Packs per outer box	10			
EAN/UPC - Case	8718699595159			

#### Dimensional drawing

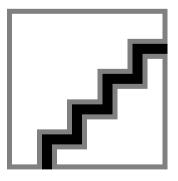


Product	D1	D2	A1	A2	А3
MAS LEDtube 1500mm UO 24W	25.8 mm	28 mm	1,498.7 mm	1,505.8 mm	1,512.9 mm
865 T8 G					

#### Photometric data



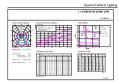
Light Distribution Diagram - MAS LEDtube 1500mm UO 24W 865 T8 G



Spectral Power Distribution Colour - MAS LEDtube 1500mm UO 24W 865 T8  $\,$  G  $\,$ 

### **MASTER LEDtube EM/Mains T8**

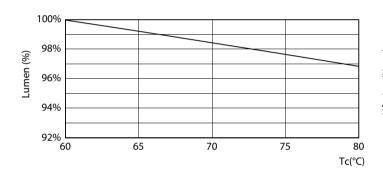
#### Photometric data

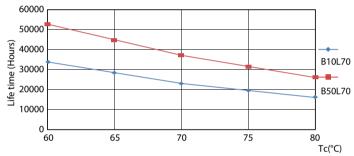


Calculus Photometrics 4.5 Philips Lighting Scy. Pages 191

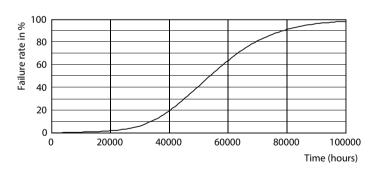
General uniform lighting - MAS LEDtube 1500mm UO 24W 865 T8 G

#### Lifetime

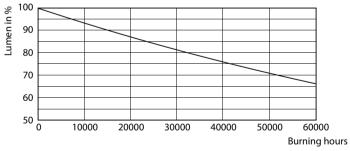




Lumen Maintenance Diagram - MAS LEDtube 1500mm UO 24W 865 T8 G



Life Expectancy Diagram - MAS LEDtube 1500mm UO 24W 865 T8  $\,\mathrm{G}$ 

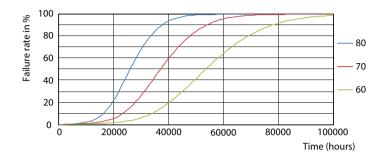


Life Expectancy Diagram - MAS LEDtube 1500mm UO 24W 865 T8 G

Lumen Maintenance Diagram - MAS LEDtube 1500mm UO 24W 865 T8 G

## **MASTER LEDtube EM/Mains T8**

#### Lifetime



Life Expectancy Diagram - MAS LEDtube 1500mm UO 24W 865 T8 G



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.