

PHILIPS

MASTER LEDtube EM/ Mains T8

MAS LEDtube 1200mm 15.5W840 T8 TW

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) |
| 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 | 2,500 lm |
| Color Designation | Cool White (CW) |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 161 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 | 15.5 W |
| Lamp Current (Max) | 155 mA |
| Lamp Current (Min) | 65 mA |
| Starting Time (Nom) | 0.9 s |
| Warm-up time to 60% light | 0.9 s |
| Power Factor (Fraction) | 0.9 |

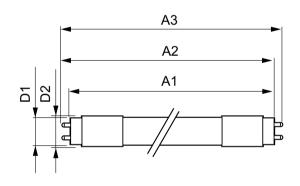
Datasheet, 2024, March 25 data subject to change

MASTER LEDtube EM/Mains T8

| Voltage (Nom) | 110-277 V | |
|---------------------------|-----------------|--|
| | | |
| Temperature | | |
| Ambient temperature range | -20 °C to 45 °C | |
| T-Case Maximum (Nom) | 65 °C | |
| | | |
| Controls and Dimming | | |
| Dimmable | No | |
| | | |
| Mechanical and Housing | | |
| Bulb Finish | Frosted | |
| Bulb Material | Plastic | |
| Product Length | 1,200 mm | |
| Bulb Shape | Т8 | |
| | | |
| Approval and Application | | |
| Energy Saving Product | Yes | |

| Approval Marks | RoHS compliance |
|---------------------------------|-----------------------------------|
| | |
| Product Data | |
| Order product name | MAS LEDtube 1200mm 15.5W840 T8 TW |
| Full product name | MAS LEDtube 1200mm 15.5W840 T8 TW |
| Full product code | 871951439957000 |
| Order code | 929003103008 |
| Material Nr. (12NC) | 929003103008 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514399570 |
| Numerator - Packs per outer box | 20 |
| EAN/UPC - Case | 8719514399587 |

Dimensional drawing

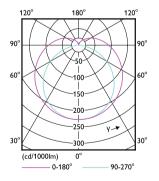


 Product
 D1
 D2
 A1
 A2
 A3

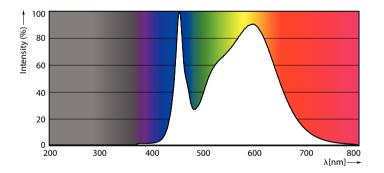
 MAS LEDtube 1200mm 15.5W840 T8
 25.6 mm
 27.9 mm
 1,199 mm
 1,205 mm
 1,213 mm

 TW

Photometric data



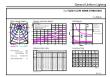
Light Distribution Diagram - MAS LEDtube 1200mm 15.5W840 T8 TW



Spectral Power Distribution Colour - MAS LEDtube 1200mm 15.5W840 T8 TW

MASTER LEDtube EM/Mains T8

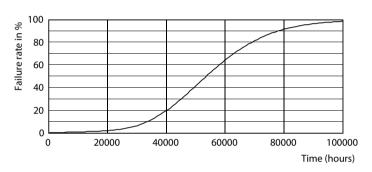
Photometric data

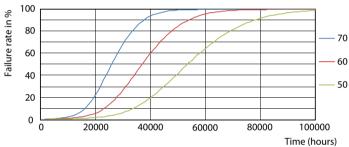


Colodus Photometric 45 Philips Lighting B.V. Pages 19

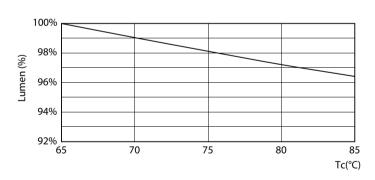
General uniform lighting - MAS LEDtube 1200mm 15.5W840 T8 TW

Lifetime

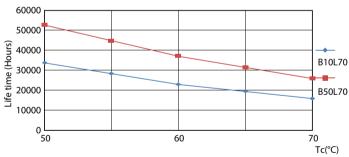




Life Expectancy Diagram - MAS LEDtube 1200mm 15.5W840 T8 TW



Life Expectancy Diagram - MAS LEDtube 1200mm 15.5W840 T8 TW

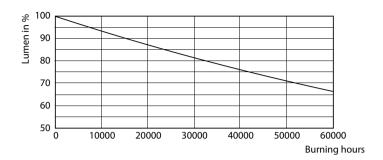


Lumen Maintenance Diagram - MAS LEDtube 1200mm 15.5W840 T8 TW

Life Expectancy Diagram - MAS LEDtube 1200mm 15.5W840 T8 TW

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Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1200mm 15.5W840 T8 TW



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