



# MASTER LEDtube InstantFit HF T8



## MASTER LEDtube HF 1200mm HO 14W840 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. The MASTER LEDtube Performance is the ideal solution for customers which have higher light requirements and the want to maximize value over lifetime.(need the longest lifetime). Full energy savings and TCO benefits.

### Warnings and Safety

- NOTES: The overall energy efficiency and light distribution of any installation that uses these lamps are determined by the design of the installation.

### Product data

| General Information        |                                                |
|----------------------------|------------------------------------------------|
| Cap-Base                   | G13 ROT (Rotating) [Medium Bi-Pin Fluorescent] |
| Nominal lifetime           | 60,000 hour(s)                                 |
| Switching Cycle            | 50,000                                         |
| Lighting Technology        | LED                                            |
| Flux measurement reference | Sphere                                         |
| CE mark                    | Yes                                            |
| EU RoHS compliant          | Yes                                            |
| Light Technical            |                                                |
| Color Code                 | 840 [CCT of 4000K]                             |
| Beam Angle (Nom)           | 160 degree(s)                                  |
| Luminous Flux              | 2,100 lm                                       |
| Color Designation          | Cool White (CW)                                |

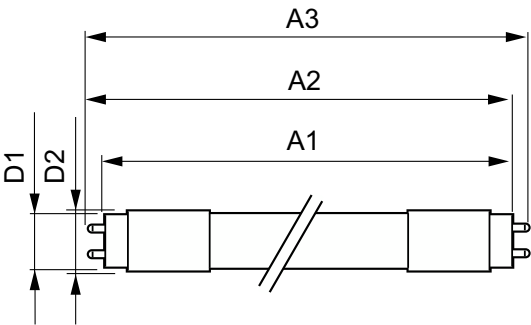
| Correlated Color Temperature (Nom)    | 4000 K         |
|---------------------------------------|----------------|
| Luminous Efficacy (rated) (Nom)       | 150.00 lm/W    |
| Color Consistency                     | <6             |
| Color rendering index (CRI)           | 83             |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %           |
| Operating and Electrical              |                |
| Line Frequency                        | 20000-75000 Hz |
| Input Frequency                       | 20000-75000 Hz |
| Power Consumption                     | 14 W           |
| Lamp Current (Max)                    | 750 mA         |
| Lamp Current (Min)                    | 300 mA         |
| Starting Time (Nom)                   | 0.5 s          |
| Warm-up time to 60% light             | 0.5 s          |
| Power Factor (Fraction)               | 0.9            |

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|                           |                 |
|---------------------------|-----------------|
| Voltage (Nom)             | 30-80 V         |
| Temperature               |                 |
| Ambient temperature range | -20 °C to 45 °C |
| T-Case Maximum (Nom)      | 55 °C           |
| Controls and Dimming      |                 |
| Dimmable                  | No              |
| Mechanical and Housing    |                 |
| Bulb Material             | Plastic         |
| Product Length            | 1,200 mm        |
| Bulb Shape                | T8              |
| Approval and Application  |                 |
| Energy Efficiency Class   | D               |
| Energy Saving Product     | Yes             |

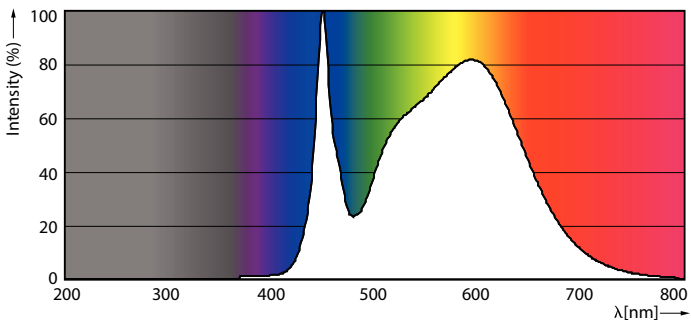
|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| Approval Marks                  | RoHS compliance TUV CE marking KEMA Keur certificate |
| Energy Consumption kWh/1000 h   | 14 kWh                                               |
| EPREL Registration Number       | 387367                                               |
| Product Data                    |                                                      |
| Order product name              | MAS LEDtube HF 1200mm HO 14W840 T8                   |
| Full product name               | MASTER LEDtube HF 1200mm HO 14W840 T8                |
| Full product code               | 871869668748200                                      |
| Order code                      | 68748200                                             |
| Material Nr. (12NC)             | 929001284102                                         |
| Numerator - Quantity Per Pack   | 1                                                    |
| EAN/UPC - Product/Case          | 8718696687482                                        |
| Numerator - Packs per outer box | 10                                                   |
| EAN/UPC - Case                  | 8718696687499                                        |

Dimensional drawing

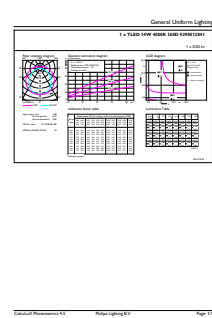


| Product                            | D1      | D2    | A1         | A2         | A3         |
|------------------------------------|---------|-------|------------|------------|------------|
| MAS LEDtube HF 1200mm HO 14W840 T8 | 25.6 mm | 28 mm | 1,198.1 mm | 1,205.2 mm | 1,212.3 mm |

Photometric data



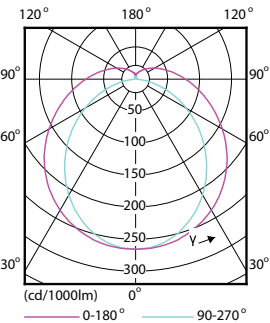
Spectral Power Distribution Colour - MAS LEDtube HF 1200mm HO 14W840 T8



General uniform lighting - MAS LEDtube HF 1200mm HO 14W840 T8

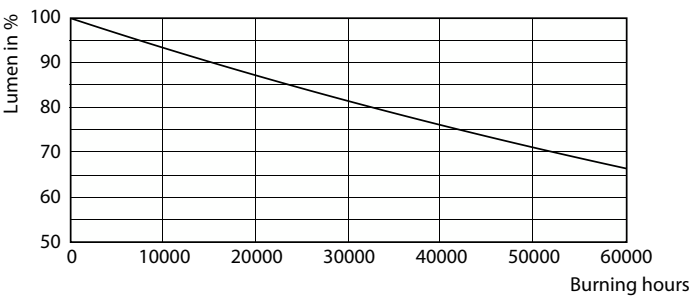
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Photometric data

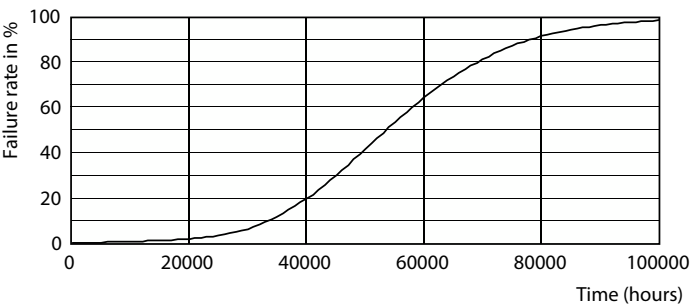


Light Distribution Diagram - MAS LEDtube HF 1200mm HO 14W840 T8

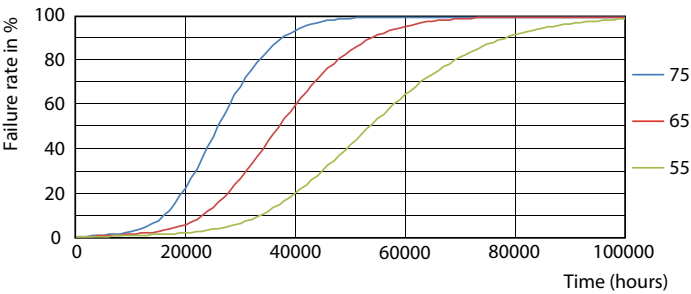
Lifetime



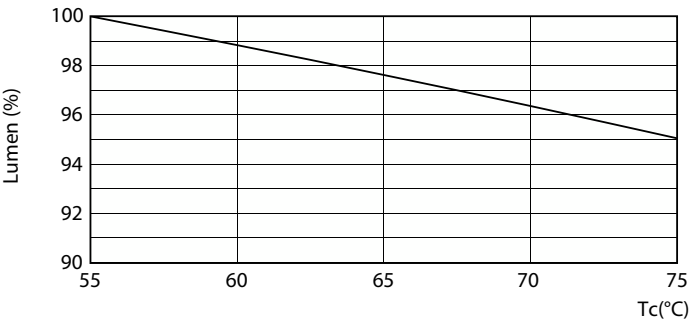
Lumen Maintenance Diagram - MAS LEDtube HF 1200mm HO 14W840 T8



Life Expectancy Diagram - MAS LEDtube HF 1200mm HO 14W840 T8



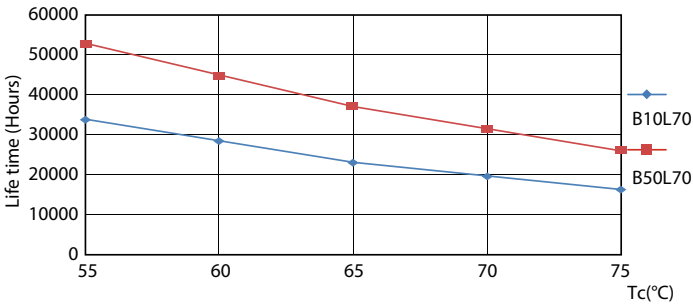
Life Expectancy Diagram - MAS LEDtube HF 1200mm HO 14W840 T8



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Lifetime



Life Expectancy Diagram - MAS LEDtube HF 1200mm HO 14W840 T8

