



# MASTER LEDtube InstantFit HF T8



## MASTER LEDtube HF 1500mm UO 24W840 T8

Philips MASTER LEDtube InstantFit T8 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. Philips MASTER LEDtube InstantFit T8 is the ideal solution for customers who have higher light requirements and want to maximize value over lifetime. Full energy savings & longer lifetime result in attractive payback times 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

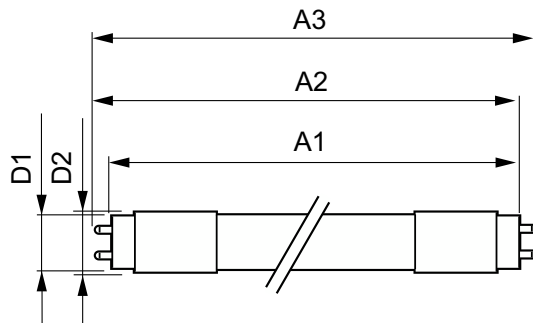
| General information        |   | Correlated Color Temperature (Nom)    |                |
|----------------------------|---|---------------------------------------|----------------|
| Cap-Base                   | G13 ROT (Rotating) [ Medium Bi-Pin Fluorescent] | 4000 K                                |                |
| CE mark                    | Yes   | Luminous Efficacy (rated) (Nom)       | 154 lm/W       |
| EU RoHS compliant          | Yes   | Color Consistency                     | <6             |
| Nominal Lifetime (Nom)     | 75000 h   | Color Rendering Index (Nom)           | 80             |
| Switching Cycle            | 50000X  | LLMF At End Of Nominal Lifetime (Nom) | 70 %           |
| Flux measurement reference | Sphere  | Operating and electrical              |                |
| Tier                       | MASTER  | Input Frequency                       | 20000-75000 Hz |
| Light technical            |   | Power (Nom)                           | 24 W           |
| Color Code                 | 840 [ CCT of 4000K]                             | Lamp Current (Max)                    | 750 mA         |
| Beam Angle (Nom)           | 160 °   | Lamp Current (Min)                    | 300 mA         |
| Luminous Flux (Nom)        | 3700 lm   | Starting Time (Nom)                   | 0.5 s          |
| Color Designation          | Cool White (CW)                                 | Warm Up Time to 60% Light (Nom)       | 0.5 s          |
|                            |   | Power Factor (Nom)                    | 0.9            |

# MASTER LEDtube InstantFit HF T8

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Voltage (Nom)                   | 30-80 V                           |
| <b>Temperature</b>              |                                   |
| T-Ambient (Max)                 | 45 °C                             |
| T-Ambient (Min)                 | -20 °C                            |
| T-Storage (Max)                 | 65 °C                             |
| T-Storage (Min)                 | -40 °C                            |
| T-Case Maximum (Nom)            | 55 °C                             |
| <b>Controls and dimming</b>     |                                   |
| Dimmable                        | Yes - Check ballast compatibility |
| <b>Mechanical and housing</b>   |                                   |
| Bulb Finish                     | Frosted                           |
| Bulb Material                   | Plastic                           |
| Product Length                  | 1500 mm                           |
| Bulb Shape                      | Tube, double-ended                |
| <b>Approval and application</b> |                                   |
| Energy Efficiency Class         | D                                 |

|                                 |  |
|---------------------------------|--|
| Energy Saving Product           | Yes  |
| Approval Marks                  | RoHS compliance TUV CE marking KEMA Keur certificate |
| Energy Consumption kWh/1000 h   | 24 kWh   |
| EPREL Registration Number       | 1165512  |
| <b>Product data</b>             |  |
| Full product code               | 871951446702600                                      |
| Order product name              | MASTER LEDtube HF 1500mm UO 24W840 T8                |
| EAN/UPC - Product               | 8719514467026  |
| Order code                      | 929003554402   |
| Numerator - Quantity Per Pack   | 1  |
| Numerator - Packs per outer box | 20   |
| Material Nr. (12NC)             | 929003554402   |
| Net Weight (Piece)              | 0.280 kg   |

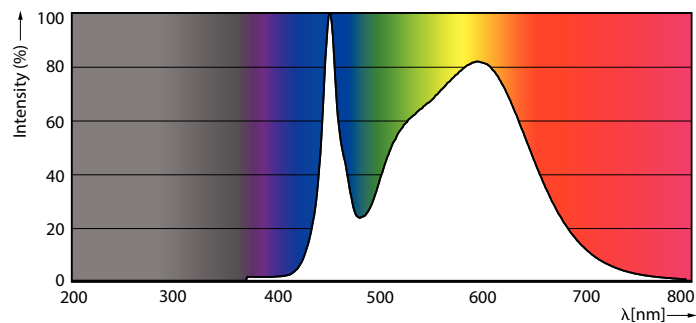
## Dimensional drawing



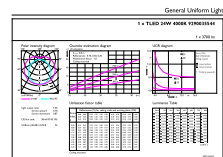
MASTER LEDtube HF 1500mm UO 24W840 T8

| Product                                  | D1      | D2    | A1        | A2        | A3      |
|--|---------|-------|-----------|-----------|---------|
| MASTER LEDtube HF<br>1500mm UO 24W840 T8 | 25.8 mm | 28 mm | 1498.8 mm | 1505.9 mm | 1513 mm |

## Photometric data



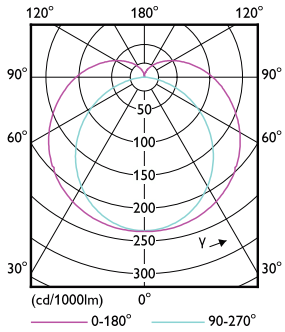
Spectral Power Distribution Colour



General uniform lighting

# MASTER LEDtube InstantFit HF T8

## Photometric data

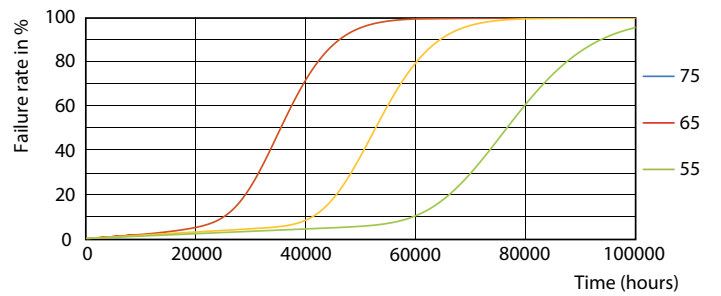


Light Distribution Diagram

## Lifetime



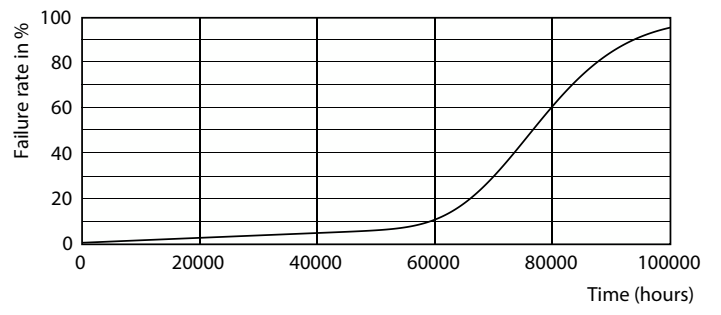
Lumen Maintenance Diagram



FailureRate



LumenVsTc



Life Expectancy Diagram

# MASTER LEDtube InstantFit HF T8

## Lifetime



LifetimeVsTc

