



# Ecofit Ledtubes T8



## Ecofit LEDtube 1200mm 16W 840 T8

Upgrade to efficient, long-lasting LED tubes with the Ecofit LED tubes. Ecofit LED tubes are a fast and easy way to replace your old fluorescent tubes with modern, efficient LED technology. Good quality of light with a natural lighting effect for use in general lighting applications with low initial investment – an environmentally friendly solution.

### Product data

| General Information                          |                                 |
|----------------------------------------------|---------------------------------|
| Cap-Base                                     | G13 [Medium Bi-Pin Fluorescent] |
| Nominal lifetime                             | 20,000 hour(s)                  |
| Switching Cycle                              | 50,000                          |
| Lighting Technology                          | LED                             |
| Flux measurement reference                   | Sphere                          |
| Light Technical                              |                                 |
| Color Code                                   | 840 [CCT of 4000K]              |
| Beam Angle (Nom)                             | 240 degree(s)                   |
| Luminous Flux                                | 1,600 lm                        |
| Color Designation                            | Cool White (CW)                 |
| Correlated Color Temperature (Nom)           | 4000 K                          |
| Luminous Efficacy (rated) (Nom)              | 100.00 lm/W                     |
| Color Consistency                            | <6                              |
| Color rendering index (CRI)                  | 80                              |
| LLMF At End Of Nominal Lifetime (Nom)        | 70 %                            |
| Photobiological safety according to EN 62471 | RG0                             |
| Operating and Electrical                     |                                 |
| Line Frequency                               | 50 to 60 Hz                     |
| Input Frequency                              | 50 to 60 Hz                     |

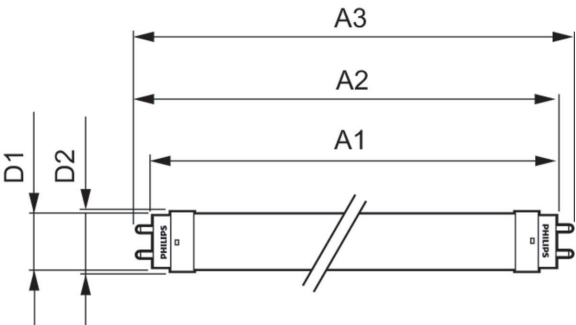
| Power Consumption                         | 16 W      |
|-------------------------------------------|-----------|
| Lamp Current (Nom)                        | 134 mA    |
| Starting Time (Nom)                       | 0.5 s     |
| Warm-up time to 60% light                 | 0.5 s     |
| Power Factor (Fraction)                   | 0.5       |
| Voltage (Nom)                             | 220-240 V |
| LED alternative to fluorescent lamp power | 36 W      |
| Ballast Compatibility                     | EM/Mains  |
| Temperature                               |           |
| T-Case Maximum (Nom)                      | 55 °C     |
| Controls and Dimming                      |           |
| Dimmable                                  | No        |
| Mechanical and Housing                    |           |
| Bulb Finish                               | Frosted   |
| Bulb Material                             | Glass     |
| Product Length                            | 1,200 mm  |
| Bulb Shape                                | T8        |
| Net Weight (Piece)                        | 0.220 kg  |

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| Approval and Application                                        |                                                     |
|-----------------------------------------------------------------|-----------------------------------------------------|
| Energy Efficiency Class                                         | F                                                   |
| Energy Saving Product                                           | Yes                                                 |
| Approval Marks                                                  | RoHS compliance CE marking KEMA<br>Keur certificate |
| Energy Consumption kWh/1000 h                                   | 16 kWh                                              |
| EPREL Registration Number                                       | 726134                                              |
| EU RoHS compliant                                               | Yes                                                 |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 0.1                                                 |
| Stroboscopic effect visibility measure (SVM)                    | 0.3                                                 |
| Ambient temperature range                                       | -20 °C to 45 °C                                     |

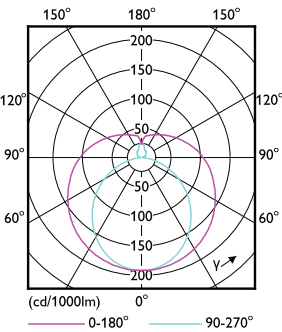
| Product Data                    |                                  |
|---------------------------------|----------------------------------|
| Order product name              | Ecofit LEDtube 1200mm 16W 840 T8 |
| Full product name               | Ecofit LEDtube 1200mm 16W 840 T8 |
| Full product code               | 871951440371000                  |
| Order code                      | 929003130502                     |
| Material Nr. (12NC)             | 929003130502                     |
| Numerator - Quantity Per Pack   | 1                                |
| EAN/UPC - Product/Case          | 8719514403710                    |
| Numerator - Packs per outer box | 20                               |
| EAN/UPC - Case                  | 8719514403727                    |

Dimensional drawing

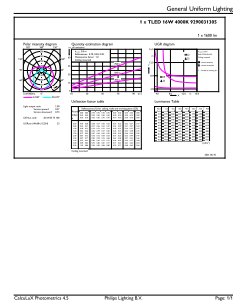


| Product                          | D1      | D2    | A1       | A2       | A3       |
|----------------------------------|---------|-------|----------|----------|----------|
| Ecofit LEDtube 1200mm 16W 840 T8 | 25.7 mm | 28 mm | 1,198 mm | 1,205 mm | 1,212 mm |

Photometric data



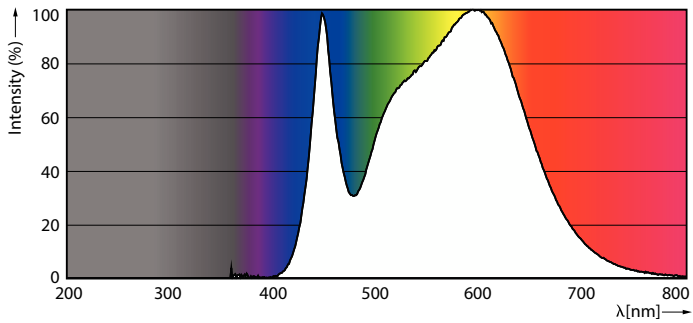
Light Distribution Diagram - Ecofit LEDtube 1200mm 16W 840 T8



General uniform lighting - Ecofit LEDtube 1200mm 16W 840 T8

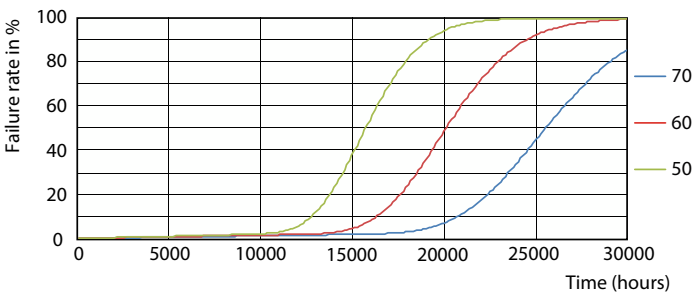
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Photometric data

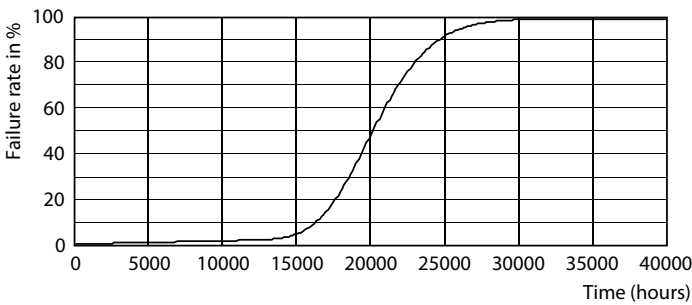


Spectral Power Distribution Colour - Ecofit LEDtube 1200mm 16W 840 T8

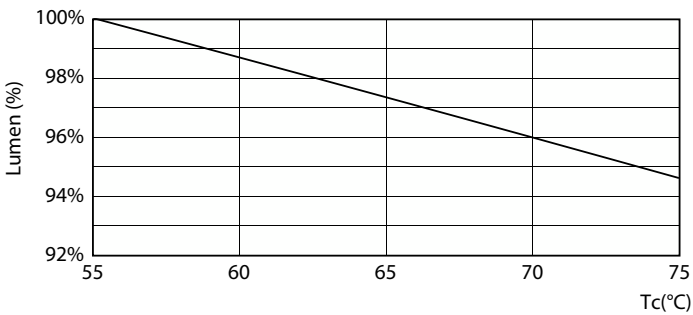
Lifetime



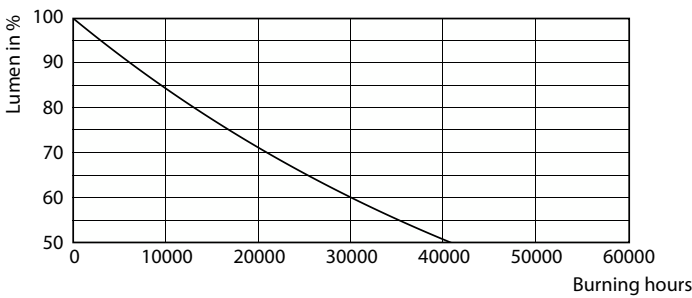
LEDtube ECO SLR 16W 20K FailureRate-LED



Life Expectancy Diagram



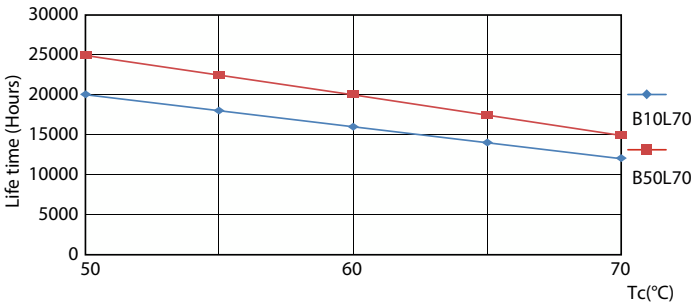
Lumen Maintenance Diagram - Ecofit LEDtube 1200mm 16W 840 T8



Lumen Maintenance Diagram - Ecofit LEDtube 1200mm 16W 840 T8

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Lifetime



LEDtube ECO SLR 16W 20K LifetimeVsTc-LED

