



# Essential LEDtube

## LEDtube 1200mm 16W 740 T8 AP I G

Essential LEDtube is an affordable LED tube that is suitable for replacing T8 fluorescent lamps. The product provides a natural lighting effect for use in general lighting applications, as well as instant energy savings – an environmentally friendly solution.

### Product data

|                                       |                                 |
|---------------------------------------|---------------------------------|
| General Information                   |                                 |
| Cap-Base                              | G13 [Medium Bi-Pin Fluorescent] |
| Nominal lifetime                      | 15,000 hour(s)                  |
| Switching Cycle                       | 50,000                          |
| Lighting Technology                   | LED                             |
| Light Technical                       |                                 |
| Color Code                            | 740 [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                     | <7                              |
| Color rendering index (CRI)           | 70                              |
| 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                     | 16 W                            |
| Starting Time (Nom)                   | 0.5 s                           |
| Warm-up time to 60% light             | 0.5 s                           |

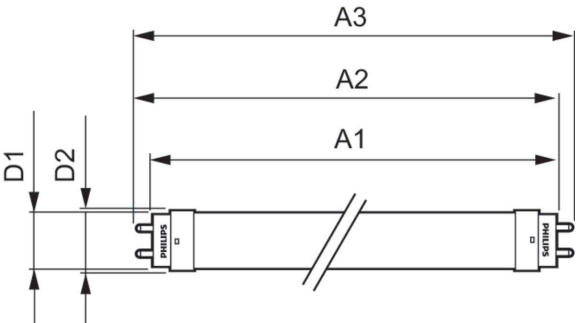
|                               |                                       |
|-------------------------------|---------------------------------------|
| Power Factor (Fraction)       | 0.5                                   |
| Voltage (Nom)                 | 220-240 V                             |
| Ballast Compatibility         | EM                                    |
| Temperature                   |                                       |
| T-Case Maximum (Nom)          | 60 °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)            | 0.170 kg                              |
| Approval and Application      |                                       |
| Energy Saving Product         | Yes                                   |
| Suitable For Accent Lighting  | No                                    |
| Approval Marks                | RoHS compliance KEMA Keur certificate |
| Energy Consumption kWh/1000 h | 16 kWh                                |
| EU RoHS compliant             | Yes                                   |

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|                           |                                  |
|---------------------------|----------------------------------|
| EyeComfort                | Yes                              |
| LED Innovations           | EyeComfort                       |
| Ambient temperature range | -20 °C to 45 °C                  |
| Product Data              |                                  |
| Order product name        | LEDtube 1200mm 16W 740 T8 AP I G |
| Full product name         | LEDtube 1200mm 16W 740 T8 AP I G |
| Full product code         | 871869659996900                  |

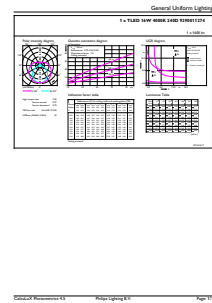
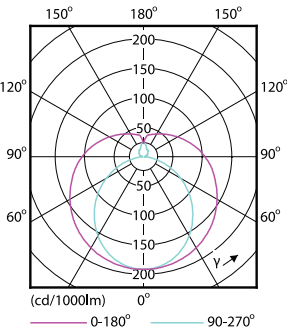
|                                 |               |
|---------------------------------|---------------|
| Order code                      | 929001184538  |
| Material Nr. (12NC)             | 929001184538  |
| Numerator - Quantity Per Pack   | 1             |
| EAN/UPC - Product/Case          | 8718696599969 |
| Numerator - Packs per outer box | 20            |
| EAN/UPC - Case                  | 8718696599976 |

Dimensional drawing



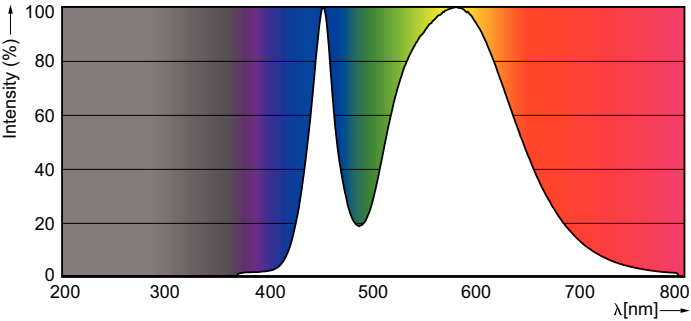
| Product           | D1    | D2    | A1    | A2    | A3    | C     | D    |
|-------------------|-------|-------|-------|-------|-------|-------|------|
| LEDtube 1200mm    | 25.68 | 28 mm | 1,198 | 1,205 | 1,212 | 1,212 | 27.8 |
| 16W 740 T8 AP I G | mm    |       | mm    | mm    | mm    | mm    | mm   |

Photometric data



Light Distribution Diagram - LEDtube 1200mm 16W 740 T8 AP I G

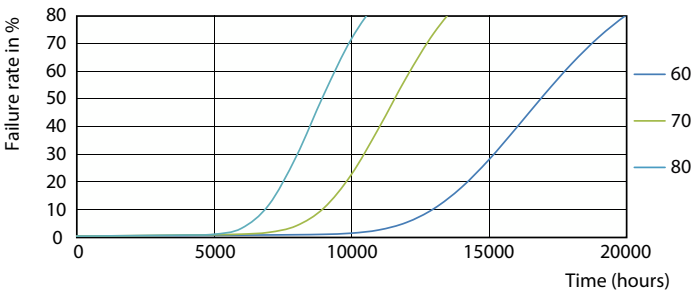
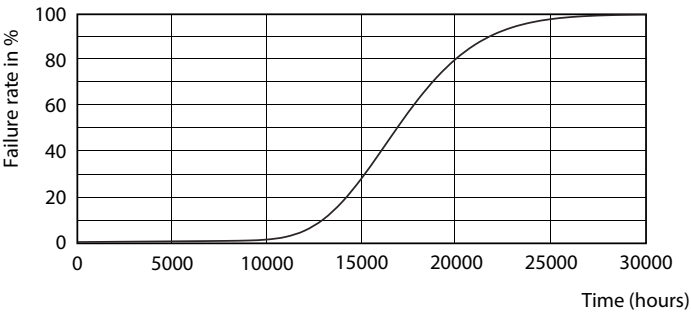
General uniform lighting - LEDtube 1200mm 16W 740 T8 AP I G



Spectral Power Distribution Colour - LEDtube 1200mm 16W 740 T8 AP I G

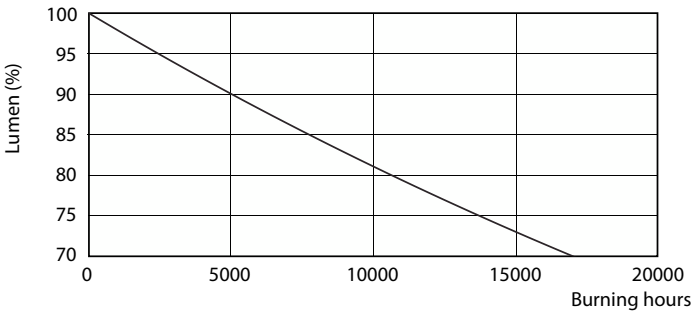
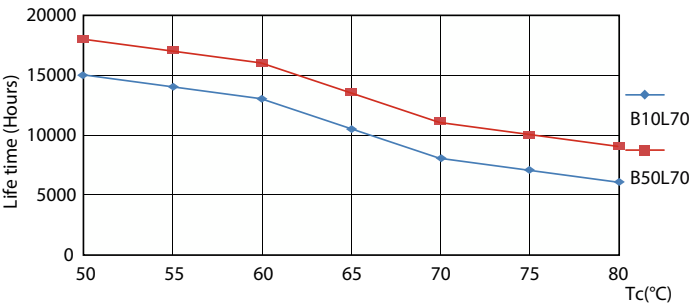
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Lifetime



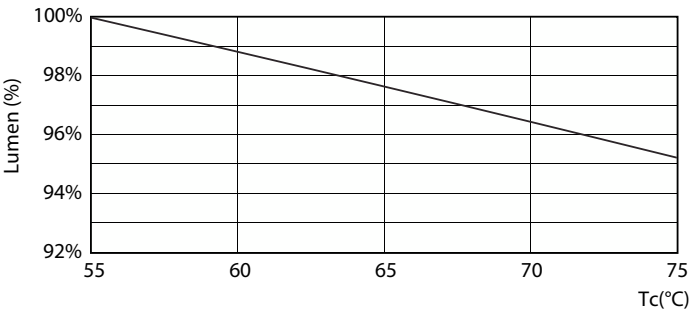
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Lumen Maintenance Diagram - LEDtube 1200mm 16W 740 T8 AP I G



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