



# MasterClass LEDtube InstantFit T8

## 14T8/48-5000 IF 10/1 DIM

The MasterClass InstantFit TLED is a great LED solution suitable for replacing T8 fluorescent lamps, using the existing ballast. MasterClass TLEDs feature a shatter-resistant polycarbonate construction, 70,000 hour life and a standard 7-year limited warranty. When maximum energy savings and long life are needed, Philips MasterClass TLED are the solution.

### Product data

| General Information                   |                                 |
|---------------------------------------|---------------------------------|
| Cap-Base                              | G13 [Medium Bi-Pin Fluorescent] |
| Nominal lifetime                      | 50,000 hour(s)                  |
| Switching Cycle                       | 50,000                          |
| Lighting Technology                   | LED                             |
| EU RoHS compliant                     | Yes                             |
| Light Technical                       |                                 |
| Color Code                            | 850 [CCT of 5000K]              |
| Beam Angle (Nom)                      | 160 degree(s)                   |
| Luminous Flux                         | 2,100 lm                        |
| Correlated Color Temperature (Nom)    | 5000 K                          |
| Color Consistency                     | <6                              |
| Color rendering index (CRI)           | 82                              |
| 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                     | 14 W                            |

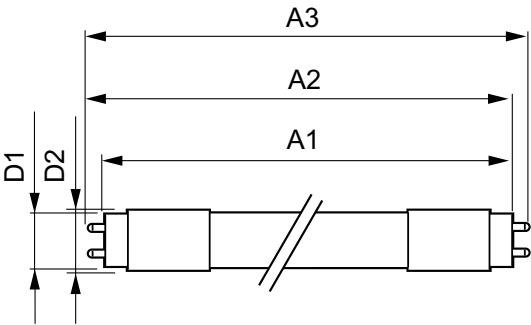
| Starting Time (Nom)           | 0.5 s                                         |
|-------------------------------|-----------------------------------------------|
| Warm-up time to 60% light     | 0.5 s                                         |
| Power Factor (Fraction)       | 0.9                                           |
| Voltage (Nom)                 | 120-277, 347 V                                |
| Temperature                   |                                               |
| Ambient temperature range     | -4 °F to 113 °F                               |
| T-Case Maximum (Nom)          | 113 °F                                        |
| Controls and Dimming          |                                               |
| Dimmable                      | Yes                                           |
| Mechanical and Housing        |                                               |
| Product Length                | 1,200 mm                                      |
| Approval and Application      |                                               |
| Energy Saving Product         | Yes                                           |
| Approval Marks                | UL certificate RoHS compliance DLC compliance |
| Energy Consumption kWh/1000 h | 18 kWh                                        |

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|                       |                          |
|-----------------------|--------------------------|
| Energy Certifications | DLC Standard             |
| Product Data          |                          |
| Order product name    | 14T8/48-5000 IF 10/1 DIM |
| Full product name     | 14T8/48-5000 IF 10/1 DIM |
| Order code            | 468330                   |
| Material Nr. (12NC)   | 929001158864             |

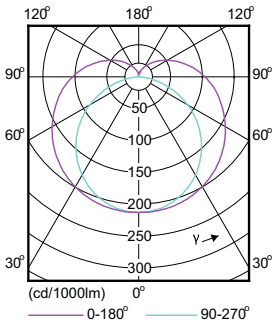
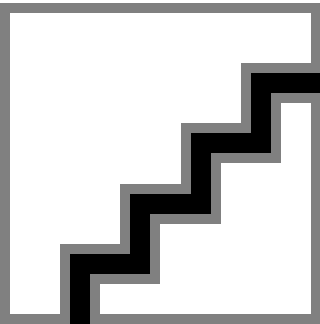
|                                 |                |
|---------------------------------|----------------|
| Numerator - Quantity Per Pack   | 1              |
| EAN/UPC - Product/Case          | 046677472269   |
| Numerator - Packs per outer box | 10             |
| EAN/UPC - Case                  | 50046677468335 |

Dimensional drawing



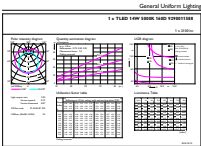
| Product                  | D1          | D2         | A1           | A2          | A3          |
|--------------------------|-------------|------------|--------------|-------------|-------------|
| 14T8/48-5000 IF 10/1 DIM | 1-1/16 inch | 1-1/8 inch | 47-3/16 inch | 47-1/2 inch | 47-3/4 inch |

Photometric data



Spectral Power Distribution Colour - 14T8/48-5000 IF 10/1 DIM

Light Distribution Diagram - 14T8/48-5000 IF 10/1 DIM



General uniform lighting - 14T8/48-5000 IF 10/1 DIM

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