

# LED InstantFit Lamps

## 14T8/COR/48-840/MF18/G 1/4 FFP

Philips LED T8 InstantFit Lamps are an ideal energy saving choice for existing linear fluorescent fixtures.

### Warnings and Safety

- Perform a visual inspection to ensure lamp holders (or sockets) are not damaged or loose. If the lamp holders (or sockets) are damaged, corroded, charred, blackened or loose, contact a qualified electrician for proper replacement.
- Please refer to the ballast compatibility guide located at [www.philips.com/instantfit](http://www.philips.com/instantfit).

### Product data

| General Information                   |                                 |
|---------------------------------------|---------------------------------|
| Cap-Base                              | G13 [Medium Bi-Pin Fluorescent] |
| Nominal lifetime                      | 36,000 hour(s)                  |
| Switching Cycle                       | 50,000                          |
| Rated Lifetime (Hours)                | 5,000 hour(s)                   |
| Lighting Technology                   | LED                             |
| EU RoHS compliant                     | Yes                             |
| Light Technical                       |                                 |
| Color Code                            | 840 [CCT of 4000K]              |
| Beam Angle (Nom)                      | 240 degree(s)                   |
| Luminous Flux                         | 1,800 lm                        |
| Color Designation                     | Cool White (CW)                 |
| Correlated Color Temperature (Nom)    | 4000 K                          |
| Luminous Efficacy (rated) (Nom)       | 128.00 lm/W                     |
| Color Consistency                     | <6                              |
| Color rendering index (CRI)           | 80                              |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %                            |

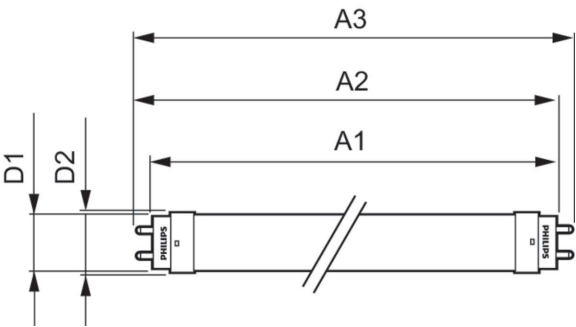
| Operating and Electrical  |                 |
|---------------------------|-----------------|
| Line Frequency            | 50 to 60 Hz     |
| Input Frequency           | 50 to 60 Hz     |
| Power Consumption         | 14 W            |
| Lamp Current (Max)        | 130 mA          |
| Lamp Current (Min)        | 47 mA           |
| Starting Time (Nom)       | 0.5 s           |
| Warm-up time to 60% light | 0.5 s           |
| Power Factor (Fraction)   | 0.9             |
| Voltage (Nom)             | 120-277 V       |
| Temperature               |                 |
| Ambient temperature range | -4 °F to 113 °F |
| T-Case Maximum (Nom)      | 158 °F          |
| Controls and Dimming      |                 |
| Dimmable                  | No              |
| Mechanical and Housing    |                 |
| Product Length            | 47-1/4 inch     |

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|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Bulb Shape                    | Tube, double-ended                            |
| Approval and Application      |                                               |
| Energy Saving Product         | Yes                                           |
| Approval Marks                | UL certificate RoHS compliance DLC compliance |
| Energy Consumption kWh/1000 h | - kWh                                         |
| Product Data                  |                                               |
| Order product name            | 14T8/COR/48-840/MF18/G 1/4 FFP                |

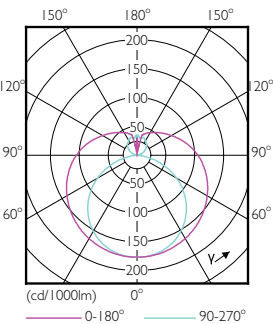
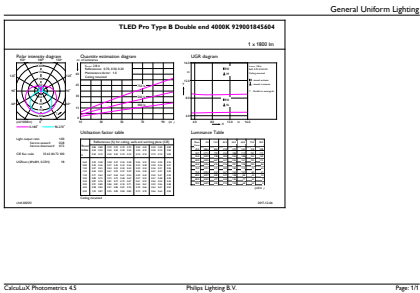
|                                 |                                |
|---------------------------------|--------------------------------|
| Full product name               | 14T8/COR/48-840/MF18/G 1/4 FFP |
| Order code                      | 538371                         |
| Material Nr. (12NC)             | 929001845663                   |
| Numerator - Quantity Per Pack   | 1                              |
| EAN/UPC - Product/Case          | 046677538378                   |
| Numerator - Packs per outer box | 1                              |
| EAN/UPC - Case                  | 50046677538373                 |

Dimensional drawing



| Product                        | D1      | D2    | A1       | A2       | A3       |
|--------------------------------|---------|-------|----------|----------|----------|
| 14T8/COR/48-840/MF18/G 1/4 FFP | 25.7 mm | 28 mm | 1,198 mm | 1,205 mm | 1,212 mm |

Photometric data



General uniform lighting - 14T8/COR/48-840/MF18/G 1/4 FFP

Light Distribution Diagram - 14T8/COR/48-840/MF18/G 1/4 FFP

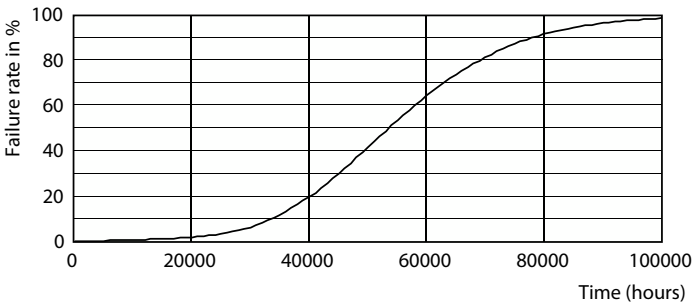
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Photometric data

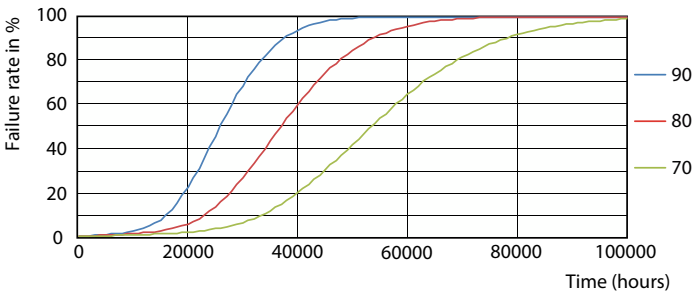


Spectral Power Distribution Colour - 14T8/COR/48-840/MF18/G 1/4 FFP

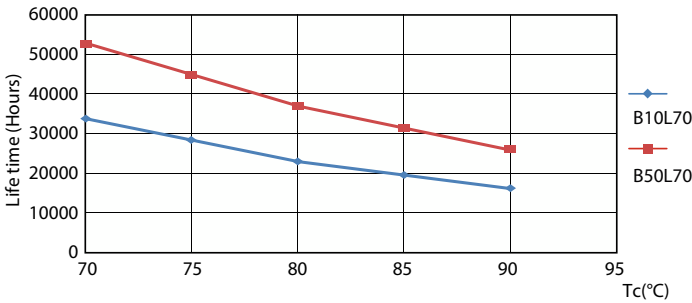
Lifetime



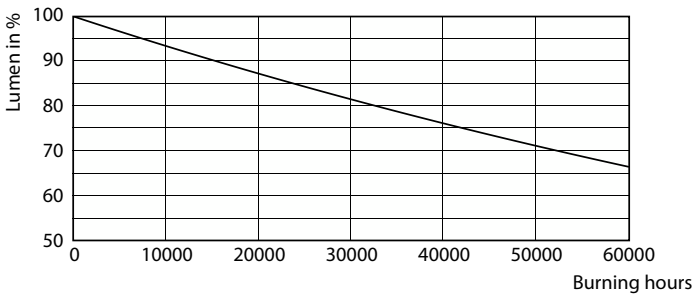
Life Expectancy Diagram - 14T8/COR/48-840/MF18/G 1/4 FFP



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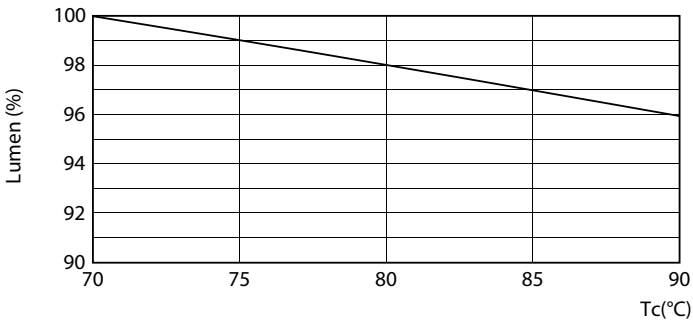
Life Expectancy Diagram - 14T8/COR/48-840/MF18/G 1/4 FFP



Lumen Maintenance Diagram - 14T8/COR/48-840/MF18/G 1/4 FFP

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Lifetime



Lumen Maintenance Diagram - 14T8/COR/48-840/MF18/G 1/4 FFP

