# Corepro InstantFit (UL Type-A) T8

## 14T8/COR/48-850/IF21/G/DIM 10/1

The CorePro InstantFit LED lamps provide hassle-free installation with simple lamp-for-lamp replacements. They deliver what we promise, with at least 40% energy savings, flicker-free performance, and the life you would expect .Other lamps claim compatibility but only CorePro InstantFit (UL Type A) has been proven to work with over 200 ballasts and drivers, delivering even light output, with proven energy savings and a long average lifetime. End users will be delighted being under these comfortable and high quality CorePro InstantFit lamps with no visible flicker and optimized optics. Energy managers will enjoy these lamps too as they can count the savings delivered by our lamps. To enjoy more energy savings, the CorePro InstantFit lamps can be paired with the Advance TLED drivers to create a Type C system.

### Product data

| General Information | |
|---|---|
| **Cap-Base** | G13 [Medium Bi-Pin Fluorescent] |
| **Nominal lifetime** | 70,000 hour(s) |
| **Switching Cycle** | 50,000 |
| **Lighting Technology** | LED |
| **EU RoHS compliant** | Yes |

| Light Technical | |
|---|---|
| **Color Code** | 850 [CCT of 5000K] |
| **Beam Angle (Nom)** | 240 degree(s) |
| **Luminous Flux** | 2,100 lm |
| **Color Designation** | Daylight |
| **Correlated Color Temperature (Nom)** | 5000 K |
| **Luminous Efficacy (rated) (Nom)** | 150.00 lm/W |
| **Color Consistency** | <5 |
| **Color rendering index (CRI)** | 82 |
| **LLMF At End Of Nominal Lifetime (Nom)** | 70 % |

| Operating and Electrical | |
|---|---|
| **Line Frequency** | 25000-105000 Hz |
| **Input Frequency** | 25000-105000 Hz |
| **Power Consumption** | 14 W |
| **Lamp Current (Max)** | 260 mA |
| **Lamp Current (Min)** | 100 mA |
| **Wattage Equivalent** | 32 W |
| **Starting Time (Nom)** | 0.5 s |
| **Warm-up time to 60% light** | 0.5 s |
| **Power Factor (Fraction)** | 0.9 |

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| | |
|---|---|
| **Voltage (Nom)** | 120-277, 347 V |
| **UL Type** | UL Type A |

### Temperature

| | |
|---|---|
| **Ambient temperature range** | -20 °C to 45 °C |
| **T-Case Maximum (Nom)** | 50 °C |

### Controls and Dimming

| | |
|---|---|
| **Dimmable** | Yes |

### Mechanical and Housing

| | |
|---|---|
| **Bulb Finish** | Frosted |
| **Bulb Material** | Glass |
| **Product Length** | 1,200 mm |
| **Bulb Shape** | T8 |

### Approval and Application

| | |
|---|---|
| **Energy Saving Product** | Yes |
| **Approval Marks** | UL certificate RoHS compliance DLC compliance |

| | |
|---|---|
| **Energy Consumption kWh/1000 h** | - kWh |
| **Energy Certifications** | DLC Standard |

### Application Conditions

| | |
|---|---|
| **can it be used in closed luminaires** | Yes |

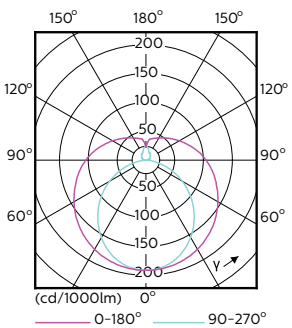
### Product Data

| | |
|---|---|
| **Order product name** | 14T8/COR/48-850/IF21/G/DIM 10/1 |
| **Full product name** | 14T8/COR/48-850/IF21/G/DIM 10/1 |
| **Order code** | 929001343334 |
| **Material Nr. (12NC)** | 929001343334 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 046677452483 |
| **Numerator - Packs per outer box** | 10 |
| **EAN/UPC - Case** | 50046677470123 |

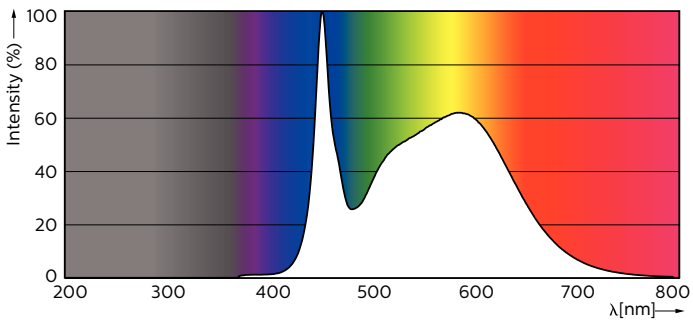
## Dimensional drawing

| Product | D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|---|
| 14T8/COR/48-850/IF21/G/DIM 10/1 | 25.7 mm | 28 mm | 1,198 mm | 1,205 mm | 1,212 mm |

## Photometric data




Light Distribution Diagram - 14T8/COR/48-850/IF21/G/DIM 10/1




Spectral Power Distribution Colour - 14T8/COR/48-850/IF21/G/DIM 10/1

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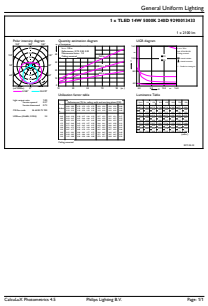
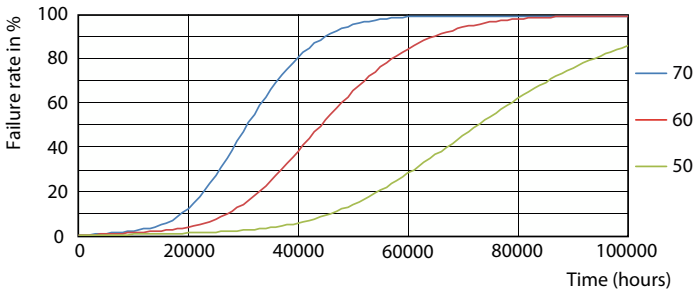
## Photometric data

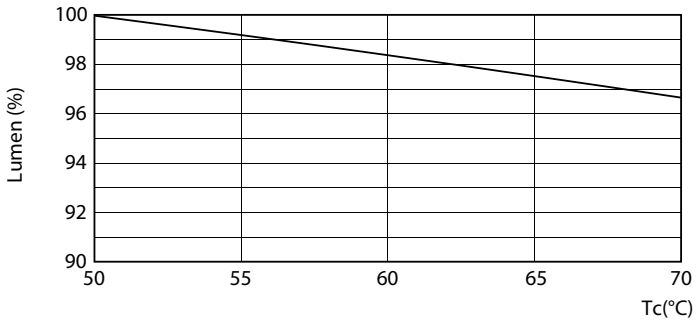


General uniform lighting - 14T8/COR/48-850/IF21/G/DIM 10/1

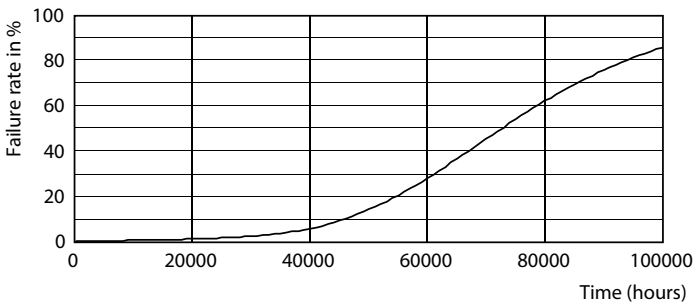
## Lifetime



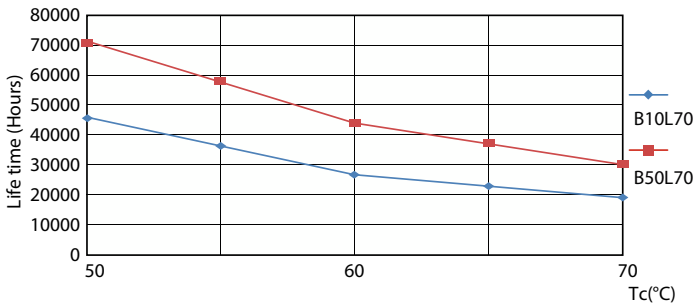

Life Expectancy Diagram - 14T8/COR/48-850/IF21/G/DIM 10/1




Lumen Maintenance Diagram - 14T8/COR/48-850/IF21/G/DIM 10/1




Life Expectancy Diagram - 14T8/COR/48-850/IF21/G/DIM 10/1




Life Expectancy Diagram - 14T8/COR/48-850/IF21/G/DIM 10/1

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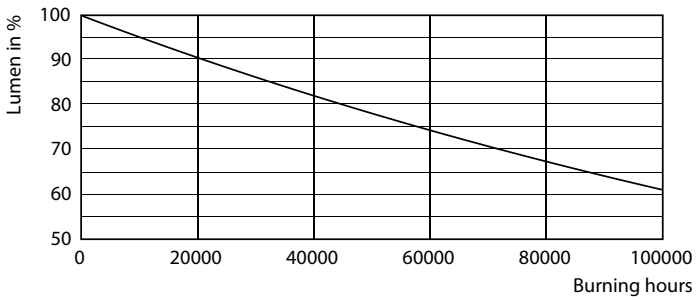
## Lifetime




**Lumen Maintenance Diagram - 14T8/COR/48-850/IF21/G/DIM 10/1**

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