

# CorePro MainsFit (UL Type-B) T8

## 14.5T8/COR/48-850/MF21/G 10/1

The CorePro MainsFit (UL Type B) lamps are designed to be the perfect retrofit solution to move from traditional fluorescent lamps to energy saving LEDs. This ballast bypass lamp has everything needed built into the lamp with proven energy savings, long life (up to 50k hours), surge suppression and industry leading safety features. All lamps in the CorePro MainsFit family are double-ended to help simplify the installation. In addition, all lamps meet the Philips standards for light quality so that end users will be in a comfortable environment regardless of the CorePro MainsFit lamp type.

### 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)                   | 240 degree(s)      |
| Luminous Flux                      | 2,100 lm           |
| Color Designation                  | Daylight           |
| Correlated Color Temperature (Nom) | 5000 K             |
| Luminous Efficacy (rated) (Nom)    | 144.00 lm/W        |
| Color Consistency                  | <5                 |
| 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         | 14.5 W                      |
| Lamp Current (Max)        | 124 mA                      |
| Lamp Current (Min)        | 58 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                         |
| Voltage (Nom)             | 120-277 V                   |
| UL Type                   | Type B - bypass the ballast |

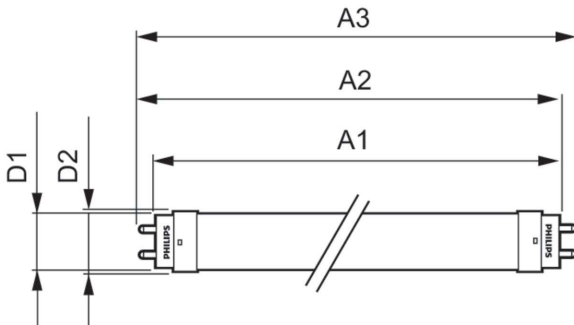
| Temperature               |                 |
|---------------------------|-----------------|
| Ambient temperature range | -4 °F to 113 °F |

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|                                 |   |
|---------------------------------|---|
| T-Case Maximum (Nom)            | 158 °F  |
| <b>Controls and Dimming</b>     |   |
| Dimmable                        | Limited                                       |
| <b>Mechanical and Housing</b>   |   |
| Bulb Finish                     | Frosted                                       |
| Bulb Material                   | Glass   |
| Product Length                  | 47-1/4 inch                                   |
| Bulb Shape                      | T8  |
| <b>Approval and Application</b> |   |
| Energy Saving Product           | Yes   |
| Approval Marks                  | RoHS compliance UL certificate DLC compliance |

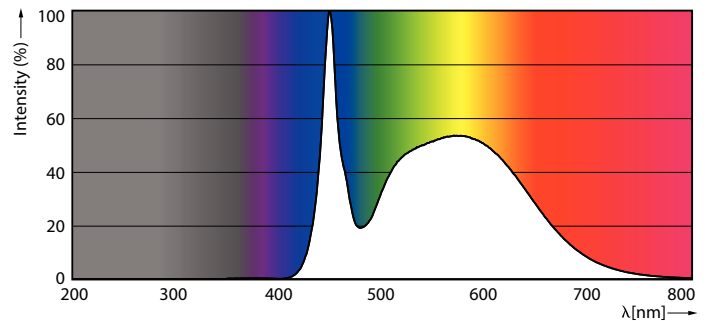
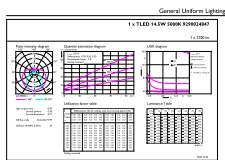
|                                 |                               |
|---------------------------------|-------------------------------|
| Energy Consumption kWh/1000 h   | - kWh                         |
| <b>Product Data</b>             |                               |
| Order product name              | 14.5T8/COR/48-850/MF21/G 10/1 |
| Full product name               | 14.5T8/COR/48-850/MF21/G 10/1 |
| Order code                      | 563551                        |
| Material Nr. (12NC)             | 929002484704                  |
| Numerator - Quantity Per Pack   | 1                             |
| EAN/UPC - Product/Case          | 046677563554                  |
| Numerator - Packs per outer box | 10                            |
| EAN/UPC - Case                  | 50046677563559                |

## Dimensional drawing



| Product                       | D1          | D2         | A1           | A2          | A3          |
|-------------------------------|-------------|------------|--------------|-------------|-------------|
| 14.5T8/COR/48-850/MF21/G 10/1 | 1-1/16 inch | 1-1/8 inch | 47-3/16 inch | 47-1/2 inch | 47-3/4 inch |

## Photometric data

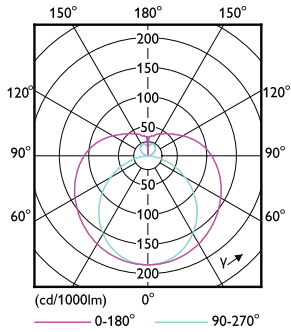


General uniform lighting - 14.5T8/COR/48-850/MF21/G 10/1

Spectral Power Distribution Colour - 14.5T8/COR/48-850/MF21/G 10/1

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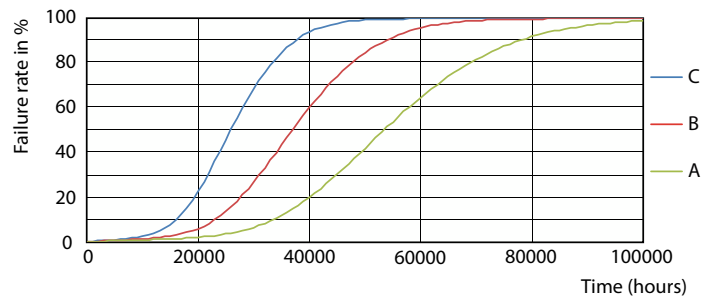


Light Distribution Diagram - 14.5T8/COR/48-850/MF21/G 10/1

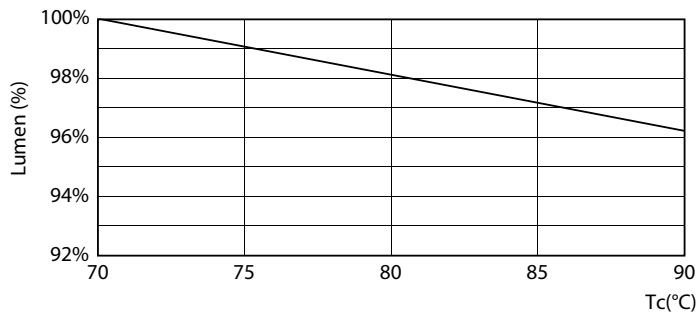
## Lifetime



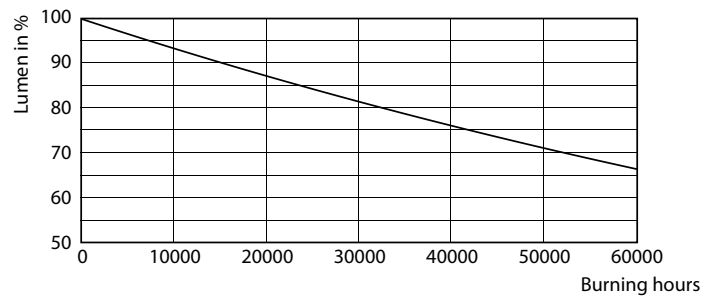
Life Expectancy Diagram - 14.5T8/COR/48-850/MF21/G 10/1



Life Expectancy Diagram - 14.5T8/COR/48-850/MF21/G 10/1



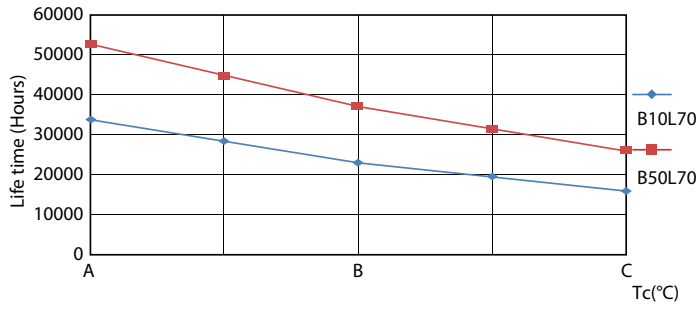
Lumen Maintenance Diagram - 14.5T8/COR/48-850/MF21/G 10/1



Lumen Maintenance Diagram - 14.5T8/COR/48-850/MF21/G 10/1

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## Lifetime



Life Expectancy Diagram - 14.5T8/COR/48-850/MF21/G 10/1

