



# CorePro MainsFit (UL Type-B) T8

8.5T8/COR/24-840/MF11/G 10/1

CorePro, LEDtube, T8, 23-5/8 inch, 8.5 W, 4000 K, 1150 lm, 50000 hour(s)

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                |
| Nominal lifetime                   | 50,000 hour(s)     |
| Switching Cycle                    | 50,000             |
| Lighting Technology                | LEDtube            |
| Light Technical                    |                    |
| Color Code                         | 840 [CCT of 4000K] |
| Beam Angle (Nom)                   | 180 degree(s)      |
| Luminous Flux                      | 1,150 lm           |
| Color Designation                  | Cool White (CW)    |
| Correlated Color Temperature (Nom) | 4000 K             |
| Luminous Efficacy (rated) (Nom)    | 135.00 lm/W        |

| 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                     | 8.5 W       |
| Lamp Current (Max)                    | 75 mA       |
| Lamp Current (Min)                    | 36 mA       |
| Wattage Equivalent                    | 17 W        |
| Starting Time (Nom)                   | 0.9 s       |
| Warm-up time to 60% light             | 0.9 s       |

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|                         |           |
|-------------------------|-----------|
| Power Factor (Fraction) | 0.9       |
| Voltage (Nom)           | 120-277 V |
| UL Type                 | UL Type B |

Temperature

|                      |        |
|----------------------|--------|
| T-Case Maximum (Nom) | 122 °F |
|----------------------|--------|

Controls and Dimming

|          |    |
|----------|----|
| Dimmable | No |
|----------|----|

Mechanical and Housing

|                    |             |
|--------------------|-------------|
| Bulb Finish        | Frosted     |
| Bulb Material      | Glass       |
| Product Length     | 23-5/8 inch |
| Bulb Shape         | T8          |
| Net Weight (Piece) | 0.441 lb    |

Approval and Application

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

|                           |                 |
|---------------------------|-----------------|
| Energy Certifications     | DLC Standard    |
| EU RoHS compliant         | Yes             |
| Ambient temperature range | -4 °F to 113 °F |

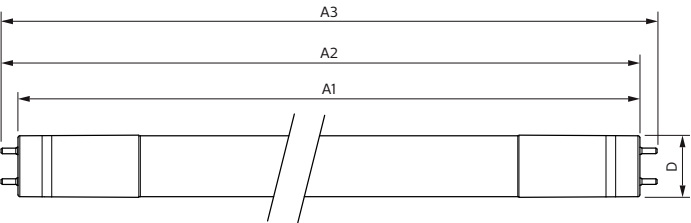
Application Conditions

|                                     |                |
|-------------------------------------|----------------|
| can it be used in closed luminaires | Yes            |
| Wireless Technology                 | Not applicable |

Product Data

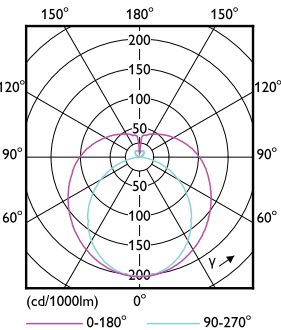
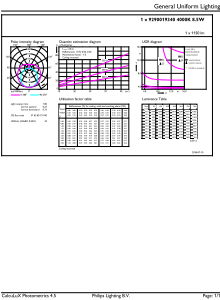
|                                 |                              |
|---------------------------------|------------------------------|
| Order product name              | 8.5T8/COR/24-840/MF11/G 10/1 |
| Full product name               | 8.5T8/COR/24-840/MF11/G 10/1 |
| Order code                      | 535476                       |
| Material Nr. (12NC)             | 929001934004                 |
| Numerator - Quantity Per Pack   | 1                            |
| EAN/UPC - Product/Case          | 046677535476                 |
| Numerator - Packs per outer box | 10                           |
| EAN/UPC - Case                  | 50046677535471               |

Dimensional drawing



| Product                      | D           | A1          | A2          | A3            |
|------------------------------|-------------|-------------|-------------|---------------|
| 8.5T8/COR/24-840/MF11/G 10/1 | 1-1/16 inch | 23-1/4 inch | 23-1/2 inch | 23-13/16 inch |

Photometric data

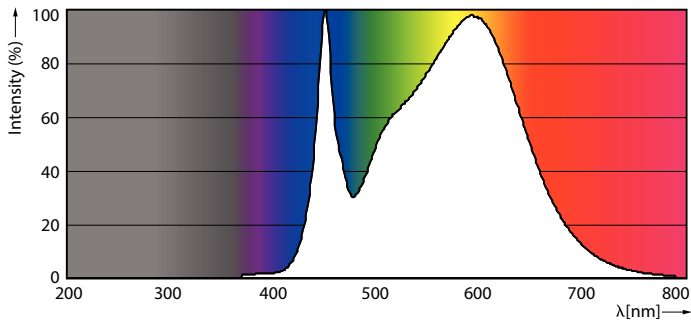


General uniform lighting - 8.5T8/COR/24-840/MF11/G 10/1

Light Distribution Diagram - 8.5T8/COR/24-840/MF11/G 10/1

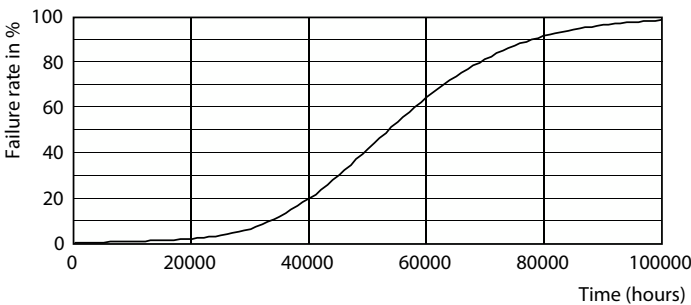
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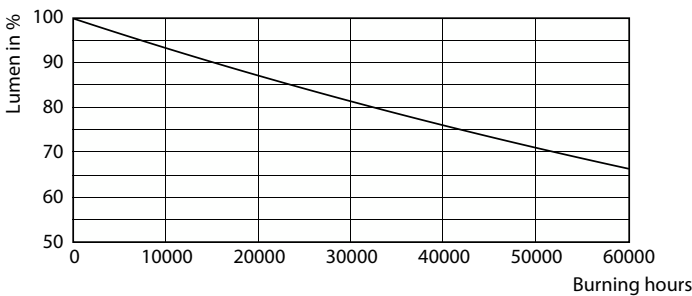


Spectral Power Distribution Colour - 8.5T8/COR/24-840/MF11/G 10/1

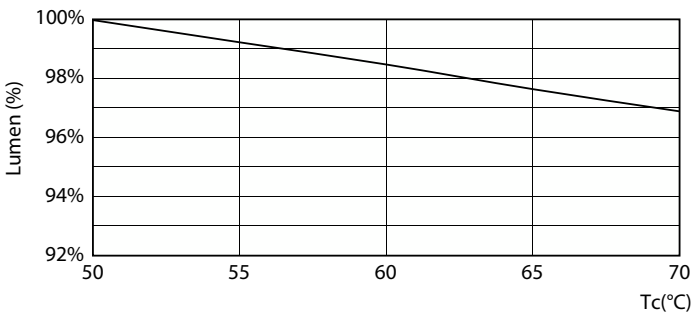
Lifetime



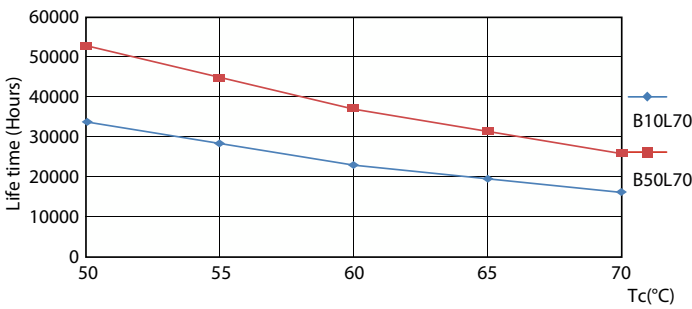
8.5W G13



Lumen Maintenance Diagram - 8.5T8/COR/24-840/MF11/G 10/1



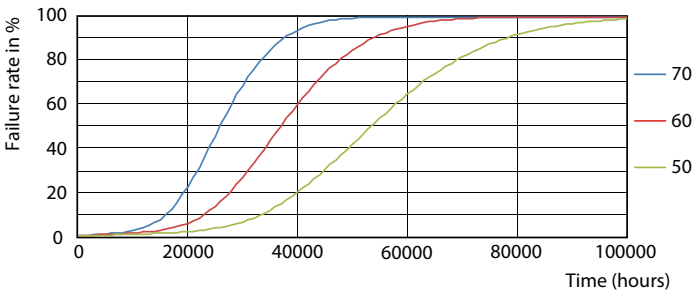
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8.5W G13

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Lifetime



8.5W G13

