PHILIPS

PHILIPS Lighting

CorePro MainsFit (UL Type-B) T8

15T8/COR/48-840/MF21/G/120-347V 25/1

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

| Cap-Base G13 [Medium Bi-Pin Fluorescent] Nominal lifetime 50,000 hour(s) Switching Cycle 50,000 Lighting Technology LED Light Technical Color Code Beam Angle (Nom) 240 degree(s) Luminous Flux 2100 lm | General Information | | | |
|---|------------------------------------|---------------------------------|--|--|
| Switching Cycle 50,000 Lighting Technology LED Light Technical Color Code Beam Angle (Nom) 240 degree(s) | Cap-Base | G13 [Medium Bi-Pin Fluorescent] | | |
| Lighting Technology LED Light Technical Color Code 840 [CCT of 4000K] Beam Angle (Nom) 240 degree(s) | Nominal lifetime | 50,000 hour(s) | | |
| Light Technical Color Code 840 [CCT of 4000K] Beam Angle (Nom) 240 degree(s) | Switching Cycle | 50,000 | | |
| Color Code 840 [CCT of 4000K] Beam Angle (Nom) 240 degree(s) | Lighting Technology | LED | | |
| Color Code 840 [CCT of 4000K] Beam Angle (Nom) 240 degree(s) | | | | |
| Beam Angle (Nom) 240 degree(s) | Light Technical | | | |
| | Color Code | 840 [CCT of 4000K] | | |
| Luminous Flux 2100 lm | Beam Angle (Nom) | 240 degree(s) | | |
| | Luminous Flux | 2,100 lm | | |
| Color Designation Cool White (CW) | Color Designation | Cool White (CW) | | |
| Correlated Color Temperature (Nom) 4000 K | Correlated Color Temperature (Nom) | 4000 K | | |
| Luminous Efficacy (rated) (Nom) 140.00 lm/W | Luminous Efficacy (rated) (Nom) | 140.00 lm/W | | |
| Color Consistency <6 | Color Consistency | <6 | | |
| Color rendering index (CRI) 80 | 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 | 15 W | | | |
| Lamp Current (Max) | 145 mA | | | |
| Lamp Current (Min) | 50 mA | | | |
| Starting Time (Nom) | 0.5 s | | | |
| Warm-up time to 60% light | 0.5 s | | | |
| Power Factor (Fraction) | 0.9 | | | |
| Voltage (Nom) | 120-347 V | | | |
| UL Type | TLED_Type B; UL classified double end | | | |
| Tomo avatura | | | | |
| Temperature | | | | |
| T-Case Maximum (Nom) | 70 °C | | | |

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| Controls and Dimming | | | |
|--------------------------|------------------------------------|--|--|
| Dimmable | Limited | | |
| | | | |
| Mechanical and Housing | | | |
| Bulb Finish | Frosted | | |
| Bulb Material | Glass | | |
| Product Length | 1,200 mm | | |
| Bulb Shape | Т8 | | |
| Net Weight (Piece) | 0.220 kg | | |
| | | | |
| Approval and Application | | | |
| Energy Saving Product | Yes | | |
| Approval Marks | RoHS compliance UL certificate DLC | | |
| | compliance | | |

Yes

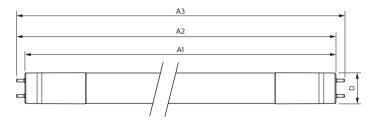
-20 °C to 45 °C

| can it be used in closed luminaires | Yes | | | |
|-------------------------------------|--|--|--|--|
| | | | | |
| Product Data | | | | |
| Order product name | 15T8/COR/48-840/MF21/G/120-347V 25/ | | | |
| Full product name | 15T8/COR/48-840/MF21/G/120-347V 25/1 929003523404 | | | |
| Order code | | | | |
| Material Nr. (12NC) | 929003523404 | | | |
| Numerator - Quantity Per Pack | 1 | | | |
| EAN/UPC - Product/Case | 046677579296 | | | |
| Numerator - Packs per outer box | 25 | | | |
| EAN/UPC - Case | 50046677579291 | | | |

Dimensional drawing

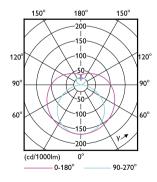
Ambient temperature range

EU RoHS compliant



| Product | D1 | D2 | A1 | A2 | A3 |
|-------------------------|---------|-------|------------|------------|------------|
| 15T8/COR/48-840/MF21/G/ | 25.7 mm | 29 mm | 1,198.2 mm | 1,205.3 mm | 1,212.4 mm |
| 120-347V 25/1 | | | | | |

Photometric data



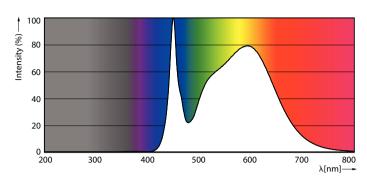
Application Conditions

Light Distribution Diagram - 15T8/COR/48-840/MF21/G/120-347V 25/1

General uniform lighting - 15T8/COR/48-840/MF21/G/120-347V 25/1

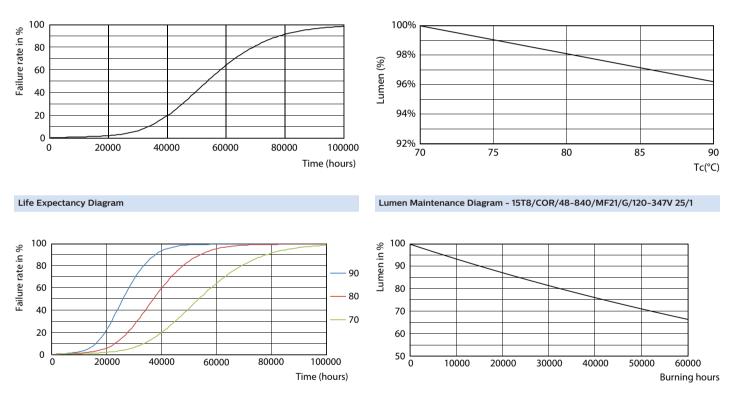
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Photometric data



Spectral Power Distribution Colour - 15T8/COR/48-840/MF21/G/120-347V 25/1

Lifetime

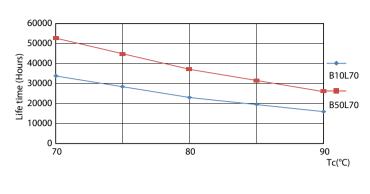


LEDtube 50K 7090 FailureRate-LED

Lumen Maintenance Diagram - 15T8/COR/48-840/MF21/G/120-347V 25/1

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LifetimeVsTc



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