



FlexFit (Hybrid UL Type A + B) T8

12.5T8/COR/48-840/FF18/G/DIM 25/1

Philips FlexFit (Hybrid UL Type A + B) lamps are designed with the customer in mind for installation flexibility. The FlexFit lamp can operate as both a plug and play (UL Type-A) and double-ended direct wire (UL Type-B). As with all Philips products, the FlexFit family of lamps are compatible with more ballasts than any manufacturer giving the customer peace of mind during installation. Additionally, the long life (50K hours) delivers reduced maintenance and replacement costs. If the ballast should fail, simply cut the ballast from the system and wire the tube directly to line voltage (120-277V)!

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 | 840 [CCT of 4000K] |
| Beam Angle (Nom) | 220 degree(s) |
| Luminous Flux | 1,800 lm |
| Color Designation | Cool White (CW) |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 138 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 | 12.5 13 W |
| Lamp Current (Max) | 110 mA |
| Lamp Current (Min) | 45 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 | UL Type A+B |

| Temperature | |
|---------------------------|-----------------|
| Ambient temperature range | -20 °C to 45 °C |

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| | |
|---------------------------------|---|
| T-Case Maximum (Nom) | 60 °C |
| Controls and Dimming | |
| Dimmable | Only with specific dimmers |
| 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 | RoHS compliance UL certificate DLC compliance |

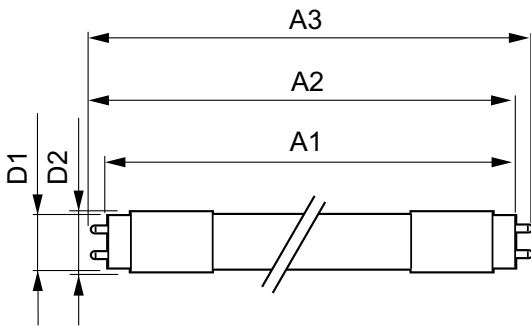
Application Conditions

can it be used in closed luminaires Yes

Product Data

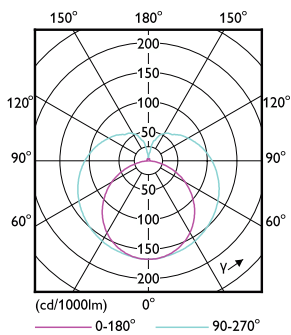
| | |
|---------------------------------|-----------------------------------|
| Order product name | 12.5T8/COR/48-840/FF18/G/DIM 25/1 |
| Full product name | 12.5T8/COR/48-840/FF18/G/DIM 25/1 |
| Order code | 600189 |
| Material Nr. (12NC) | 929002317304 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 046677600181 |
| Numerator - Packs per outer box | 25 |
| EAN/UPC - Case | 50046677600186 |

Dimensional drawing

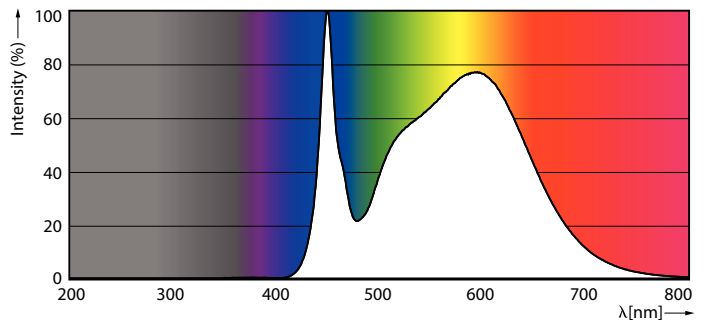


| Product | D1 | D2 | A1 | A2 | A3 |
|---------------------------------------|---------|-------|------------|------------|------------|
| 12.5T8/COR/48-840/ FF18/G/DIM 25/1 | 25.7 mm | 28 mm | 1,198.2 mm | 1,205.3 mm | 1,212.4 mm |

Photometric data



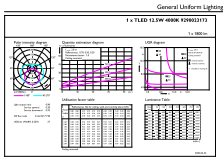
Light Distribution Diagram



Spectral Power Distribution Colour - 12.5T8/COR/48-840/FF18/G/DIM 25/1

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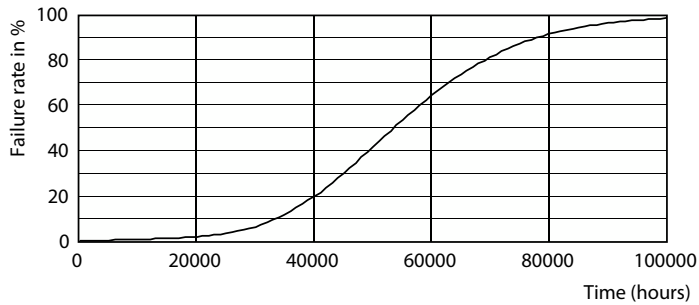
Photometric data



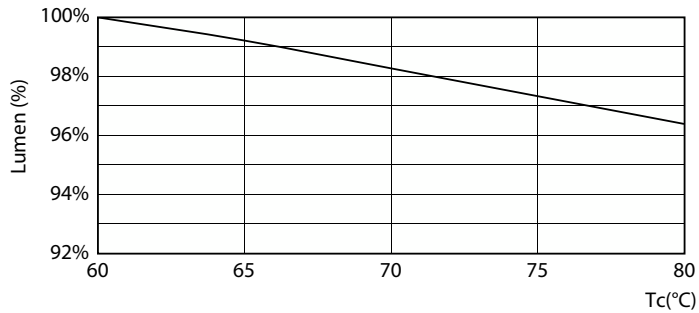
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General uniform lighting - 12.5T8/COR/48-840/FF18/G/DIM 25/1

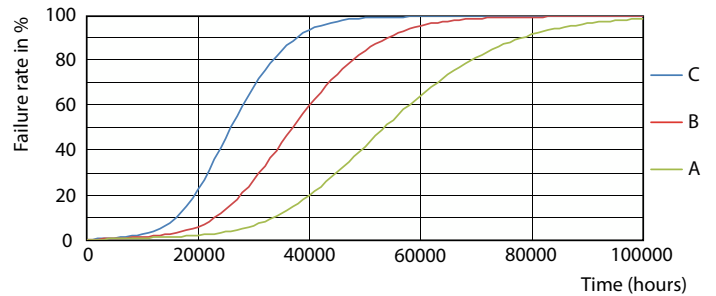
Lifetime



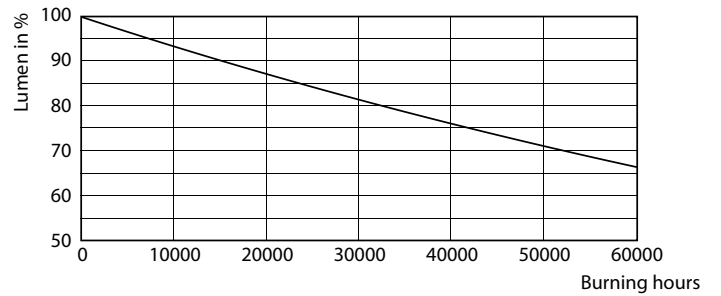
Life Expectancy Diagram - 12.5T8/COR/48-840/FF18/G/DIM 25/1



Lumen Maintenance Diagram



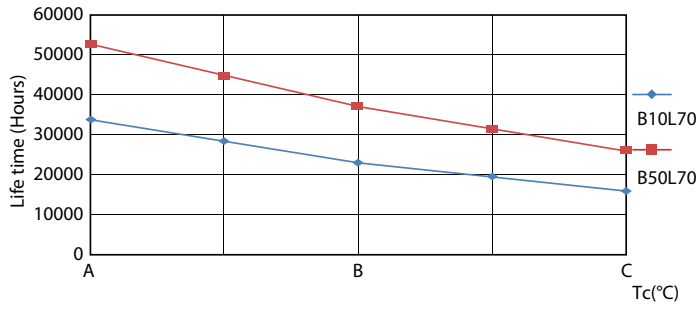
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Lumen Maintenance Diagram - 12.5T8/COR/48-840/FF18/G/DIM 25/1

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Lifetime



Life Expectancy Diagram - 12.5T8/COR/48-840/FF18/G/DIM 25/1

