



# FlexFit (Hybrid UL Type A + B) PLC/T

16PL-C/T/COR/42HV-5CCT/FF18/4P/10/1

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 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. Available as replacements for 32W and 42w compact fluorescent lamps

### Product data

| General Information                   |                                  |
|---------------------------------------|----------------------------------|
| Cap-Base                              | G24q                             |
| Nominal lifetime                      | 50,000 hour(s)                   |
| Switching Cycle                       | 50,000                           |
| Lighting Technology                   | LED                              |
| Light Technical                       |                                  |
| Color Code                            | 2700/3000/3500/4000/5000         |
| Beam Angle (Nom)                      | 120 degree(s)                    |
| Luminous Flux                         | 1,750 1,750 1,750 1,850 1,850 lm |
| Color Designation                     | 2700/3000/3500/4000/5000         |
| Correlated Color Temperature (Nom)    | 2700 3000 3500 4000 5000 K       |
| Luminous Efficacy (rated) (Nom)       | 115 lm/W                         |
| Color Consistency                     | <6                               |
| Color rendering index (CRI)           | 82                               |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %                             |

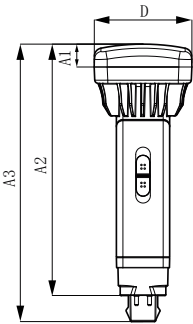
| Operating and Electrical  |                            |
|---------------------------|----------------------------|
| Input Frequency           | 50 to 60 Hz                |
| Power Consumption         | 16 W                       |
| Lamp Current (Nom)        | 166 mA                     |
| Wattage Equivalent        | 42 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               |                            |
| T-Case Maximum (Nom)      | 185 °F                     |
| Controls and Dimming      |                            |
| Dimmable                  | Only with specific dimmers |

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|                                     |                                               |
|-------------------------------------|-----------------------------------------------|
| Mechanical and Housing              |                                               |
| Bulb Finish                         | Frosted                                       |
| Bulb Material                       | Plastic                                       |
| Product Length                      | 6-1/8 inch                                    |
| Bulb Shape                          | PL-C                                          |
| Net Weight (Piece)                  | 0.419 lb                                      |
| Approval and Application            |                                               |
| Energy Saving Product               | Yes                                           |
| Approval Marks                      | RoHS compliance UL certificate DLC compliance |
| EU RoHS compliant                   | Yes                                           |
| Ambient temperature range           | -4 to +113 °F                                 |
| Application Conditions              |                                               |
| can it be used in closed luminaires | Yes                                           |

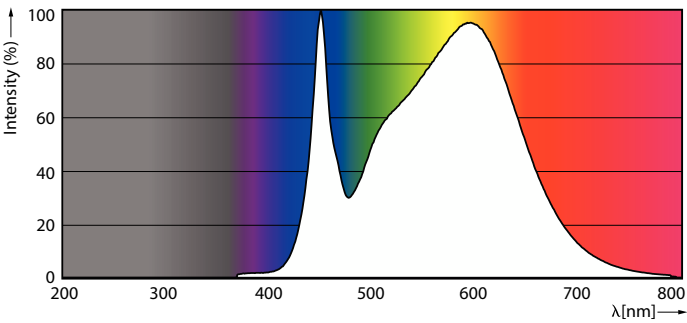
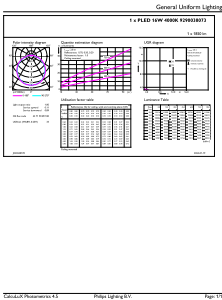
|                                 |                                     |
|---------------------------------|-------------------------------------|
| Product Data                    |                                     |
| Order product name              | 16PL-C/T/COR/42HV-5CCT/FF18/4P/10/1 |
| Full product name               | 16PL-C/T/COR/42HV-5CCT/FF18/4P/10/1 |
| Order code                      | 589788                              |
| Material Nr. (12NC)             | 929003807304                        |
| Numerator - Quantity Per Pack   | 1                                   |
| EAN/UPC - Product/Case          | 046677589783                        |
| Numerator - Packs per outer box | 10                                  |
| EAN/UPC - Case                  | 50046677589788                      |

Dimensional drawing



| Product                                 | D1         | D          | A1        | A2         | A3         |
|-----------------------------------------|------------|------------|-----------|------------|------------|
| 16PL-C/T/COR/42HV-5CCT/<br>FF18/4P/10/1 | 2-3/8 inch | 2-3/8 inch | 9/16 inch | 6-1/8 inch | 6-3/4 inch |

Photometric data

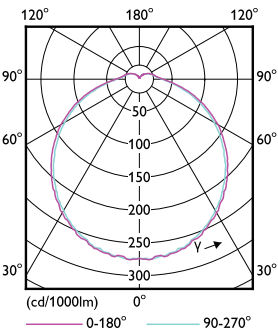


General uniform lighting - 16PL-C/T/COR/42HV-5CCT/FF18/4P/10/1

Spectral Power Distribution Colour - 16PL-C/T/COR/42HV-5CCT/FF18/4P/10/1

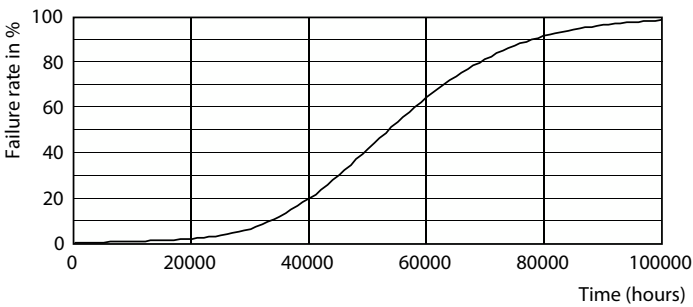
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Photometric data

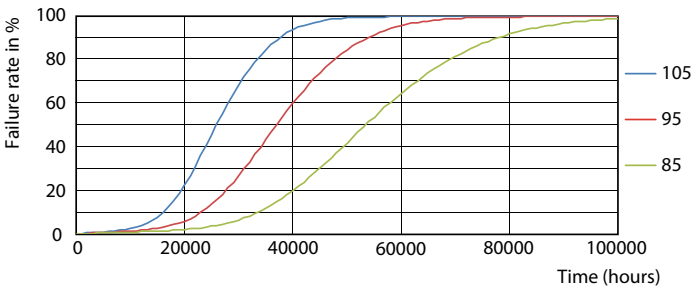


Light Distribution Diagram - 16PL-C/T/COR/42HV-5CCT/FF18/4P/10/1

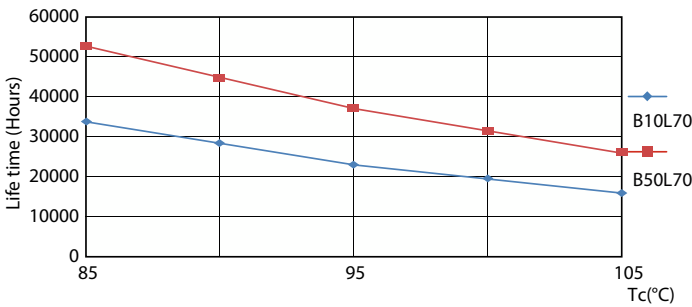
Lifetime



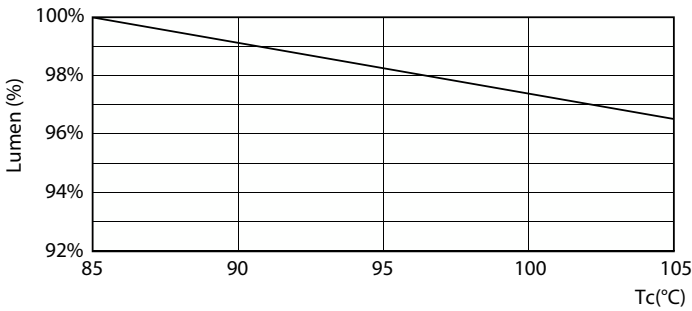
Life Expectancy Diagram



Life Expectancy Diagram



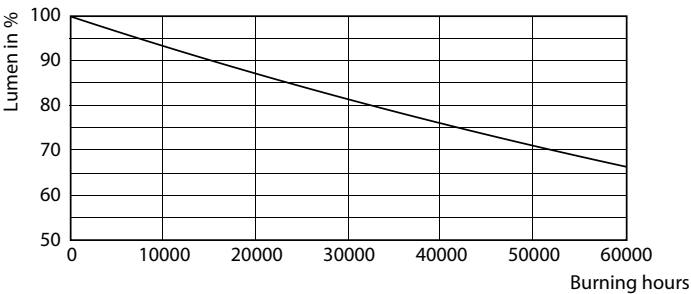
Life Expectancy Diagram



Lumen Maintenance Diagram - 16PL-C/T/COR/42HV-5CCT/FF18/4P/10/1

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Lifetime



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