# PL-C/T

## 8.5PL-C/T/COR/26H-830/IF9/P/4P/DIM 10/1

Philips PLED 4-pin & 2-pin lamps are an affordable LED solution to replace compact flourescent lamps. The product provides a natural lighting effect for use in many lighting applications, and provides instant energy savings, making them an environmentally-friendly solution. Available as replacements for 13W, 26W and 32W compact fluorescent lamps.

## Product data

### General Information

| | |
|---|---|
| Cap-Base | G24q |
| Nominal lifetime | 50,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| EU RoHS compliant | Yes |

### Light Technical

| | |
|---|---|
| Color Code | 830 [CCT of 3000K] |
| Beam Angle (Nom) | 120 degree(s) |
| Luminous Flux | 900 lm |
| Color Designation | White (WH) |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 105.00 lm/W |
| Color Consistency | <6 |
| Color rendering index (CRI) | 82 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |

### Operating and Electrical

| | |
|---|---|
| Line Frequency | 20000-100000 Hz |
| Input Frequency | 20000-100000 Hz |
| Power Consumption | 8.5 W |

### Lamp Current

| | |
|---|---|
| Lamp Current (Max) | 550 mA |
| Lamp Current (Min) | 150 mA |
| Wattage Equivalent | 26 W |
| Starting Time (Nom) | 0.5 s |
| Warm-up time to 60% light | 0.5 s |
| Power Factor (Fraction) | 0.9 |
| Voltage (Nom) | 120 V |
| UL Type | UL Type A |

### Temperature

| | |
|---|---|
| Ambient temperature range | -20 °C to 45 °C |
| T-Case Maximum (Nom) | 60 °C |

### Controls and Dimming

| | |
|---|---|
| Dimmable | Yes |

### Mechanical and Housing

| | |
|---|---|
| Bulb Finish | Frosted |
| Bulb Material | Plastic |
| Product Length | 200 mm |
| Bulb Shape | PL-C;PL-T |

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## Approval and Application

| | |
|---|---|
| Energy Saving Product | Yes |
| Approval Marks | RoHS compliance UL certificate KEMA Keur certificate DLC compliance |
| Energy Consumption kWh/1000 h | – kWh |
| Energy Certifications | DLC Standard |

## Application Conditions

| | |
|---|---|
| can it be used in closed luminaires | Yes |

## Product Data

| | |
|---|---|
| Order product name | 8.5PL-C/T/COR/26H-830/IF9/P/4P/DIM 10/1 |

| | |
|---|---|
| Full product name | 8.5PL-C/T/COR/26H-830/IF9/P/4P/DIM 10/1 |
| Order code | 929001388104 |
| Material Nr. (12NC) | 929001388104 |
| Numerator – Quantity Per Pack | 1 |
| EAN/UPC – Product/Case | 046677458379 |
| Numerator – Packs per outer box | 10 |
| EAN/UPC – Case | 50046677472769 |

## Dimensional drawing
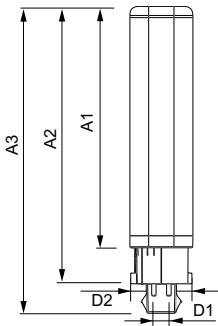


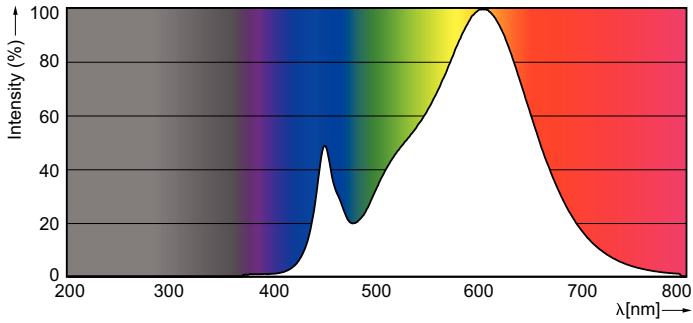| Product | D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|---|
| 8.5PL-C/T/COR/26H-830/IF9/P/4P/DIM 10/1 | 24.3 mm | 28.4 mm | 128.3 mm | 147.5 mm | 163.1 mm |

## Photometric data
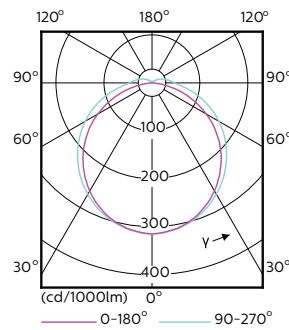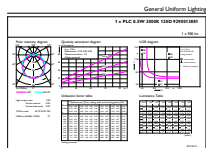


**General uniform lighting – 8.5PL-C/T/COR/26H-830/IF9/P/4P/DIM 10/1**



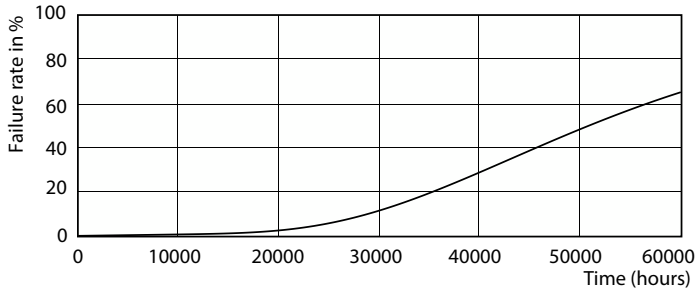**Light Distribution Diagram – 8.5PL-C/T/COR/26H-830/IF9/P/4P/DIM 10/1**
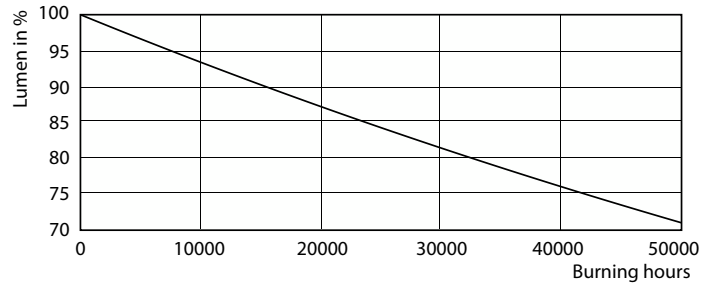
# PL-C/T

## Photometric data



**Spectral Power Distribution Colour – 8.5PL-C/T/COR/
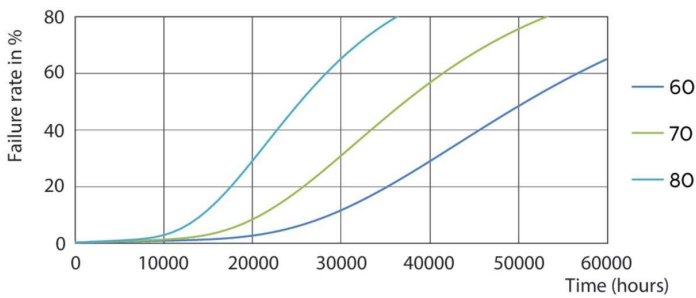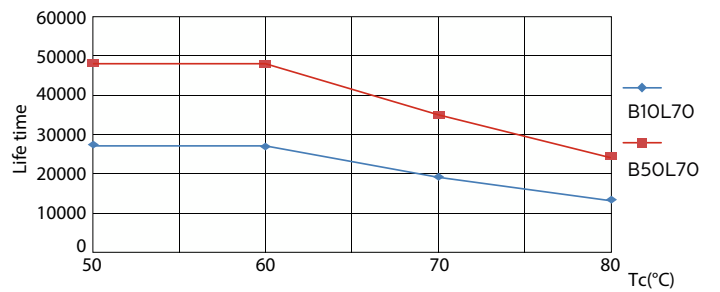26H-830/IF9/P/4P/DIM 10/1**

## Lifetime





**Life Expectancy Diagram – 8.5PL-C/T/COR/26H-830/IF9/P/4P/DIM 10/1**

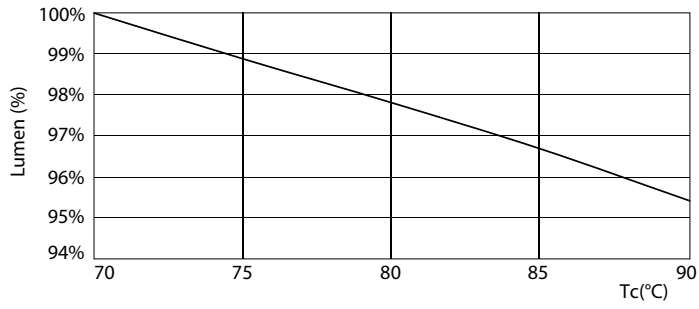**Lumen Maintenance Diagram – 8.5PL-C/T/COR/26H-830/IF9/P/4P/DIM
10/1**





**Life Expectancy Diagram – 8.5PL-C/T/COR/26H-830/IF9/P/4P/DIM 10/1**

**Life Expectancy Diagram – 8.5PL-C/T/COR/26H-830/IF9/P/4P/DIM 10/1**

**Lifetime**



Lumen (%) vs Tc(°C)

**Lumen Maintenance Diagram – 8.5PL–C/T/COR/26H–830/IF9/P/4P/DIM 10/1**

www.lighting.philips.com

2024, January 16 – data subject to change