# PL-S

## 5PL-S/LED/13H/827/IF5/P/2P 20/1

Philips LED PL-S lamps make the transition to LED from CFL lamps as simple as replacing a lamp. The InstantFit (UL Type A) 2-pin PL-S LED lamps are available in a wide array of color temperatures. They quickly and effectively replace 13W 2-pin compact fluorescent PL-S lamps.

## Product data

### General Information

| | |
|---|---|
| Cap-Base | GX23 |
| Nominal lifetime | 50,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| EU RoHS compliant | Yes |

### Light Technical

| | |
|---|---|
| Color Code | 827 [CCT of 2700K] |
| Beam Angle (Nom) | 120 degree(s) |
| Luminous Flux | 520 lm |
| Color Designation | Warm White (WW) |
| Correlated Color Temperature (Nom) | 2700 K |
| Luminous Efficacy (rated) (Nom) | 104.00 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 | 5 W |
| Lamp Current (Max) | 50 mA |

| | |
|---|---|
| Lamp Current (Min) | 15 mA |
| Wattage Equivalent | 13 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 |

### Temperature

| | |
|---|---|
| Ambient temperature range | -20 °C to 45 °C |
| T-Case Maximum (Nom) | 75 °C |

### Controls and Dimming

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

### Mechanical and Housing

| | |
|---|---|
| Bulb Finish | Frosted |
| Bulb Material | Plastic |
| Product Length | 170 mm |
| Bulb Shape | PL-S |

### Approval and Application

| | |
|---|---|
| Energy Saving Product | Yes |

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| | | | | |
|---|---|---|---|---|
| **Approval Marks** | UL certificate RoHS compliance | | **Order code** | 529511 |
| **Energy Consumption kWh/1000 h** | – kWh | | **Material Nr. (12NC)** | 929001862804 |
| | | | **Numerator – Quantity Per Pack** | 1 |
| **Application Conditions** | | | **EAN/UPC – Product/Case** | 046677529512 |
| **can it be used in closed luminaires** | Yes | | **Numerator – Packs per outer box** | 20 |
| | | | **EAN/UPC – Case** | 50046677529517 |
| **Product Data** | | | | |
| **Order product name** | 5PL-S/LED/13H/827/IF5/P/2P 20/1 | | | |
| **Full product name** | 5PL-S/LED/13H/827/IF5/P/2P 20/1 | | | |

## Dimensional drawing
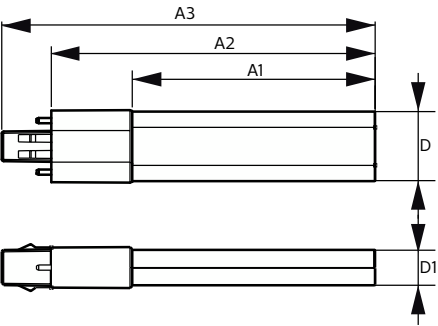


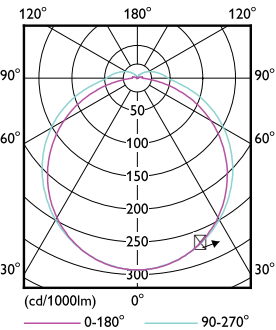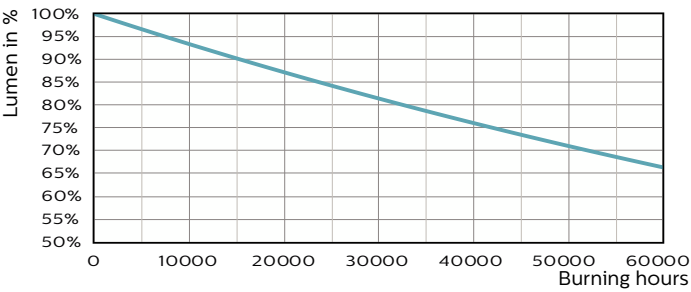| Product | D | D1 | A1 | A2 | A3 |
|---|---|---|---|---|---|
| 5PL-S/LED/13H/827/IF5/P/2P 20/1 | 31.1 mm | 15.8 mm | 108 mm | 144 mm | 166 mm |

## Photometric data
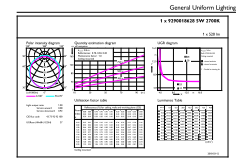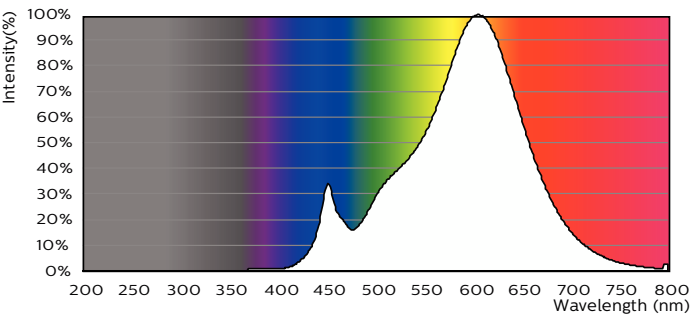




Spectral Power Distribution Colour – 5PL-S/LED/13H/827/IF5/P/2P 20/1
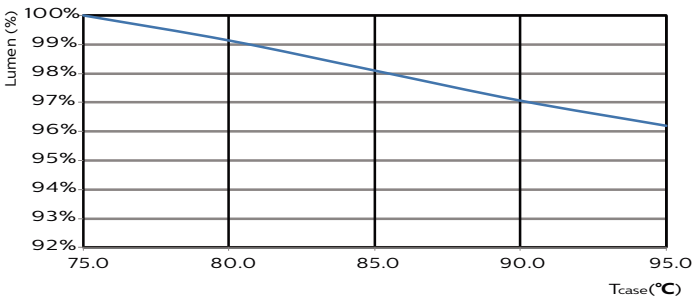
General uniform lighting – 5PL-S/LED/13H/827/IF5/P/2P 20/1



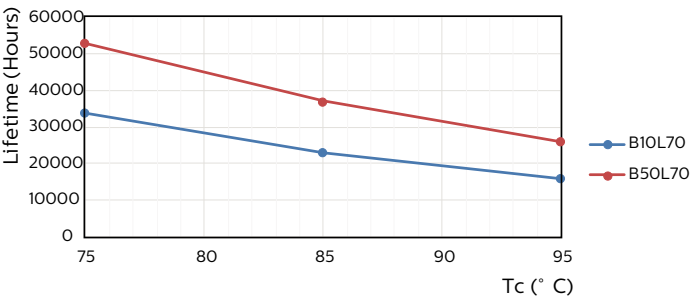Light Distribution Diagram – 5PL-S/LED/13H/827/IF5/P/2P 20/1

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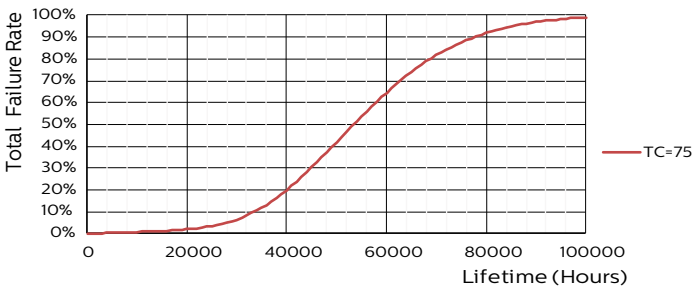
## Lifetime





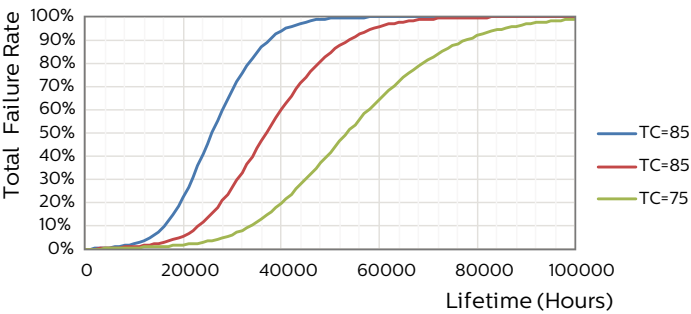**Lumen Maintenance Diagram – 5PL–S/LED/13H/827/IF5/P/2P 20/1**



**Lumen Maintenance Diagram – 5PL–S/LED/13H/827/IF5/P/2P 20/1**



**Life Expectancy Diagram – 5PL–S/LED/13H/827/IF5/P/2P 20/1**



**Life Expectancy Diagram – 5PL–S/LED/13H/827/IF5/P/2P 20/1**

**Life Expectancy Diagram – 5PL–S/LED/13H/827/IF5/P/2P 20/1**

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www.lighting.philips.com

2023, April 14 – data subject to change