



PL-S

5PL-S/LED/13H/840/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 [GX23] | | | |
| 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) | 120 degree(s) | | | |
| Luminous Flux | 580 lm | | | |
| Color Designation | Cool White (CW) | | | |
| Correlated Color Temperature (Nom) | 4000 K | | | |
| Luminous Efficacy (rated) (Nom) | 116.00 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 | | | |

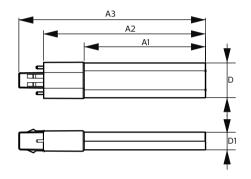
| Lamp Current (Min) | 15 mA |
|---------------------------|-----------------|
| Wattage Equivalent | 13 W |
| Starting Time (Nom) | 0.5 s |
| Warm-up time to 60% light | 0.5 s |
| Power Factor (Fraction) | 0.9 |
| Voltage (Nom) | 120-277 V |
| UL Type | UL Type A |
| | |
| Temperature | |
| Ambient temperature range | -20 °C to 45 °C |
| T-Case Maximum (Nom) | 75 ℃ |
| | |
| 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 |

Datasheet, 2023, November 30 data subject to change

| Approval Marks | UL certificate RoHS compliance | | | |
|-------------------------------------|---------------------------------|--|--|--|
| Energy Consumption kWh/1000 h | - kWh | | | |
| Application Conditions | | | | |
| Application Conditions | | | | |
| can it be used in closed luminaires | Yes | | | |
| | | | | |
| Product Data | | | | |
| Order product name | 5PL-S/LED/13H/840/IF5/P/2P 20/1 | | | |
| Full product name | 5PL-S/LED/13H/840/IF5/P/2P 20/1 | | | |

| Order code | 929001863104 |
|---------------------------------|----------------|
| Material Nr. (12NC) | 929001863104 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 046677529581 |
| Numerator - Packs per outer box | 20 |
| EAN/UPC - Case | 50046677529586 |
| | |

Dimensional drawing



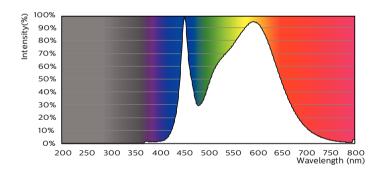
| Product | D | D1 | A1 | A2 | А3 |
|---------------------------------|---------|---------|--------|--------|--------|
| 5PL-S/LED/13H/840/IF5/P/2P 20/1 | 31.1 mm | 15.8 mm | 108 mm | 144 mm | 166 mm |

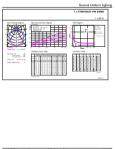
Photometric data

30°

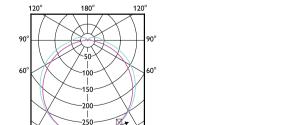
(cd/1000lm) ——— 0-180°

-300





Spectral Power Distribution Colour - 5PL-S/LED/13H/840/IF5/P/2P 20/1

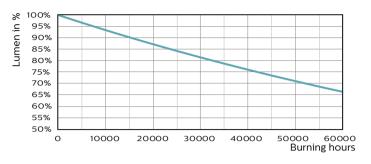


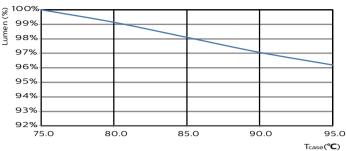
Light Distribution Diagram - 5PL-S/LED/13H/840/IF5/P/2P 20/1

General uniform lighting - 5PL-S/LED/13H/840/IF5/P/2P 20/1

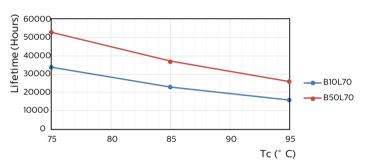
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Lifetime

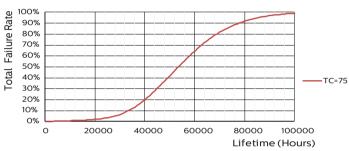




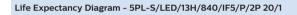
Lumen Maintenance Diagram - 5PL-S/LED/13H/840/IF5/P/2P 20/1

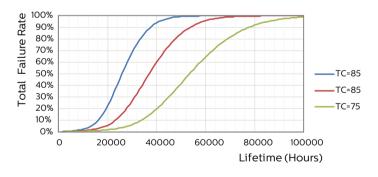


Lumen Maintenance Diagram - 5PL-S/LED/13H/840/IF5/P/2P 20/1



Life Expectancy Diagram - 5PL-S/LED/13H/840/IF5/P/2P 20/1





Life Expectancy Diagram - 5PL-S/LED/13H/840/IF5/P/2P 20/1

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