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.

### General Information
- **Base**: GX23 [ GX23]
- **EU RoHS compliant**: Yes
- **Nominal Lifetime (Nom)**: 50000 h
- **Switching Cycle**: 50000X

### Light Technical
- **Color Code**: 835 [ CCT of 3500K]
- **Beam Angle (Nom)**: 120 °
- **Initial lumen (Nom)**: 560 lm
- **Color Designation**: White (WH)
- **Correlated Color Temperature (Nom)**: 3500 K
- **Luminous Efficacy (rated) (Nom)**: 112.00 lm/W
- **Color Consistency**: <6
- **Color Rendering Index (Nom)**: 82
- **LLMF At End Of Nominal Lifetime (Nom)**: 70 %

### Operating and Electrical
- **Input Frequency**: 50 to 60 Hz
- **Power (Rated) (Nom)**: 5 W
- **Lamp Current (Max)**: 50 mA
- **Lamp Current (Min)**: 15 mA
- **Starting Time (Nom)**: 0.5 s
- **Warm Up Time to 60% Light (Nom)**: 0.5 s
- **UL Type**: Type A - works on ballast
- **Power Factor (Nom)**: 0.9
- **Voltage (Nom)**: 120-277 V
- **Start Time**: Not applicable
- **Duty Cycle**: 120-277 V
- **Switching Cycle**: 50000X
- **Power Factor**: 0.9
- **Voltage**: 120-277 V

### Temperature
- **T-Ambient (Max)**: 45 °C
- **T-Ambient (Min)**: -20 °C
- **T-Storage (Max)**: 65 °C
- **T-Storage (Min)**: -40 °C
- **T-Case Maximum (Nom)**: 75 °C

### Controls and Dimming
- **Dimmable**: No

### Mechanical and Housing
- **Product Length**: 6.7 in

### Approval and Application
- **Energy Efficiency Label (EEL)**: Not applicable
- **Energy Saving Product**: Yes
- **Approval Marks**: UL certificate RoHS compliance

Datasheet, 2020, November 18 data subject to change
PL-S

Energy Consumption kWh/1000 h - kWh

Product Data
Order product name SPL-S/LED/13H/835/IF5/P/2P 20/1
EAN/UPC - Product 046677529574
Order code 529578
Numerator - Quantity Per Pack 1
Numerator - Packs per outer box 20
Material Nr. (12NC) 929001863004
Net Weight (Piece) 0.043 kg
Model Number 9290018630

Dimensional drawing

PLed PLS 120-277V 5-13W 580lm 3500K GX23

Photometric data

LEDtube PLS SW GX23 835 2P 12D ND

Data subject to change
**LEDtube PLS 5W GX23 827 2P 12D ND**

**Lifetime**

- **Lumen in %** vs **Burning hours**
  - 50%
  - 55%
  - 60%
  - 65%
  - 70%
  - 75%
  - 80%
  - 85%
  - 90%
  - 95%
  - 100%

- **B10L70**
  - TC=75
- **B50L70**
  - TC=85

**Total Failure Rate** vs **Lifetime (Hours)**

- **TC=75**
- **TC=85**
- **TC=95**

Datasheet, 2020, November 18

Data subject to change