



# TUV PL-S - Compact solution for residential applications

## TUV PL-S

TUV PL-S lamps are compact UVC (germicidal) lamps used in residential water and air disinfection units. The compact size of the lamp allows for a small system design and design flexibility. TUV PL-S lamps offer constant UV output over their complete lifetime, for maximum security of disinfection and high system efficacy. Thanks to the single-ended lamp base, lamp replacement is easy.

### Benefits

- Security of effective disinfection over the useful lifetime of the lamp
- High system efficacy because it is not required to over-design the purification system to maintain effectiveness of disinfection
- Good environmental choice because of lowest amount of mercury

### Features

- Short-wave UV radiation with a peak at 253.7 nm (UVC) for disinfection purposes
- Protective inside coating ensures constant UV output over the complete lifetime of the lamp
- Lamp glass filters out the 185 nm ozone-forming radiation
- 2-Pin PL-S lamp base contains a special starter for almost instant starting on electromagnetic drivers
- 4-Pin PL-S lamps are designed for use on electronic drivers
- Warning sign on lamp indicates that the lamp radiates UVC

# TUV PL-S

## Application

- Deactivation of bacteria, viruses and other micro-organisms
- Residential drinking water units
- Pond water units
- Air treatment units
- Stand-alone purifiers

## Warnings and Safety

- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.
- DANGER: Risk Group 3 Ultra Violet product. These lamps emit high-power UV radiation that can cause severe injury to skin and eyes. Avoid eye and skin exposure to unshielded product. Use only in an enclosed environment which shields users from the radiation.
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-555-0050

## Versions



TUV PL-S G23

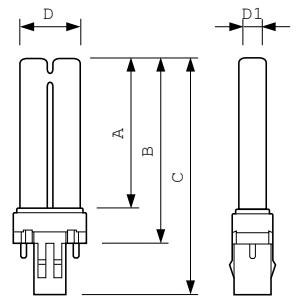
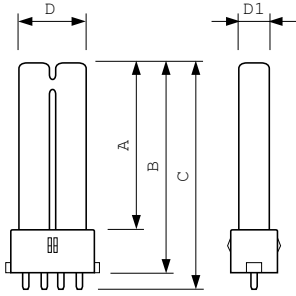


TUV PL-S GX23

## Dimensional drawing

| Product                         | D1 (max) | D (max) | A (max) | B (max)  | C (max)  |
|---------------------------------|----------|---------|---------|----------|----------|
| TUV PL-S 5W/2P 1CT/<br>6X10BOX  | 13 mm    | 28 mm   | 67 mm   | 83 mm    | 105 mm   |
| TUV PL-S 9W/2P 1CT/<br>6X10BOX  | 13 mm    | 28 mm   | 129 mm  | 144.5 mm | 167 mm   |
| TUV PL-S 11W/2P 1CT/<br>6X10BOX | 13 mm    | 28 mm   | 198 mm  | 213.3 mm | 236.3 mm |

## Dimensional drawing



### Product

TUV PL-S 9W/4P 1CT/6X10BOX

| Product                         | D1 (max) | D (max) | A (max)  | B (max)  | C (max)  |
|---------------------------------|----------|---------|----------|----------|----------|
| TUV PL-S 13W/2P 1CT/<br>6X10BOX | 13 mm    | 28 mm   | 139.5 mm | 155.2 mm | 178.2 mm |

### Approval and Application

Mercury (Hg) Content (Nom) 3.0 mg

### General Information

Useful Life (Nom) 9000 h

Main Application Disinfection

### Light Technical

Color Code TUV

Color Designation -

Lumen Depreciation At Useful Lifetime 20 %

### Mechanical and Housing

Bulb Shape 2xT12

## Operating and Electrical

| Order Code | Full Product Name               | Lamp Current (Nom) | Voltage (Nom) | Power (Rated) (Nom) |
|------------|---------------------------------|--------------------|---------------|---------------------|
| 381863     | TUV PL-S 5W                     | 0.18 A             | 34 V          | 5.5 W               |
| 325126     | PL-S 9W/TUV 60PK                | 0.17 A             | 60 V          | 9 W                 |
| 285650     | TUV PL-S 11W/2P 1CT/<br>6X10BOX | 0.16 A             | 89 V          | 11 W                |

| Order Code | Full Product Name              | Lamp Current (Nom) | Voltage (Nom) | Power (Rated) (Nom) |
|------------|--------------------------------|--------------------|---------------|---------------------|
| 285668     | TUV PL-S 9W/4P 1CT/<br>6X10BOX | 0.17 A             | 60 V          | 8.6 W               |
| 135020     | TUV PL-S13W 60PK               | 0.29 A             | 56 V          | 13.0 W              |

## General Information

## TUV PL-S

| Order Code | Full Product Name           | Cap-Base |
|------------|-----------------------------|----------|
| 381863     | TUV PL-S 5W                 | G23      |
| 325126     | PL-S 9W/TUV 60PK            | G23      |
| 285650     | TUV PL-S 11W/2P 1CT/6X10BOX | G23      |

| Order Code | Full Product Name          | Cap-Base |
|------------|----------------------------|----------|
| 285668     | TUV PL-S 9W/4P 1CT/6X10BOX | 2G7      |
| 135020     | TUV PL-S13W 60PK           | GX23     |

## UV

| Order Code | Full Product Name           | UV-C Radiation |
|------------|-----------------------------|----------------|
| 381863     | TUV PL-S 5W                 | 1.1 W          |
| 325126     | PL-S 9W/TUV 60PK            | 2.3 W          |
| 285650     | TUV PL-S 11W/2P 1CT/6X10BOX | 3.2 W          |

| Order Code | Full Product Name          | UV-C Radiation |
|------------|----------------------------|----------------|
| 285668     | TUV PL-S 9W/4P 1CT/6X10BOX | 2.3 W          |
| 135020     | TUV PL-S13W 60PK           | 3.4 W          |

