



# TUV PL-S - Compact solution for residential applications

## TUV PL-S

TUV PL-S lamps are compact UV-C 254 nm lamps. The compact size of the lamp allows for a small system design and design flexibility. TUV PL-S lamps offer almost constant UV output over their complete lifetime. Thanks to the single-ended lamp base, lamp replacement is easy.

### Benefits

- Controlled UV-C output over lifetime of the lamp
- High system efficacy
- Good environmental choice because of lowest amount of mercury

### Features

- Short-wave UV radiation with a peak at 253.7 nm (UVC)
- 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

- Residential drinking water units
- Pond water units
- Air treatment units
- Stand-alone air handlers

## 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.
- Plants and/or materials that are exposed to UV-C and/or ozone for a long time may become damaged and/or discolored.

## Versions



XPPR XUTUVPLS G23

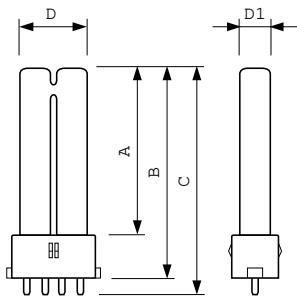


XPPR XUTUVPLS GX23



XPPR XUTUVPLS 0001

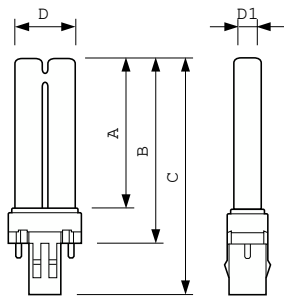
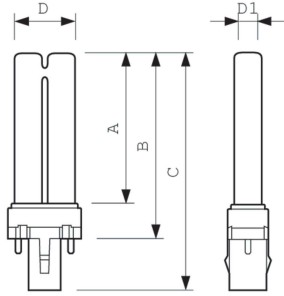
## Dimensional drawing



| Product                    | D1 (max) | D (max)  | A (max)  | B (max)  | C (max)  |
|----------------------------|----------|----------|----------|----------|----------|
| TUV PL-S 11W/4P 1CT/6X10CC | 28 mm    | 195.5 mm | 212.5 mm | 218.9 mm |          |
| TUV PL-S 40W/4P            |          |          |          |          |          |
| TUV PL-S 5W/4P 1CT/5X10CC  | 13 mm    | 28 mm    | 65.2 mm  | 82.5 mm  | 89.1 mm  |
| TUV PL-S 7W/4P 1CT/5X10CC  | 28 mm    | 94.7 mm  | 111.7 mm | 118.1 mm |          |
| TUV PL-S 9W/4P             | 13 mm    | 28 mm    | 127.2 mm | 144.5 mm | 151.1 mm |

# TUV PL-S

## Dimensional drawing



| Product                     | D1 (max) | D (max) | A (max) | B (max)  | C (max)  |
|-----------------------------|----------|---------|---------|----------|----------|
| TUV PL-S 11W/2P 1CT/6X10BOX | 13 mm    | 28 mm   | 198 mm  | 213.3 mm | 236.3 mm |
| TUV PL-S 5W/2P 1CT/6X10BOX  | 13 mm    | 28 mm   | 67 mm   | 83 mm    | 105 mm   |
| TUV PL-S 7W/2P 1CT/5X10CC   | 13 mm    | 28 mm   | 97 mm   | 112.5 mm | 135.5 mm |
| TUV PL-S 9W/2P 1CT/6X10BOX  | 13 mm    | 28 mm   | 129 mm  | 144.5 mm | 167 mm   |

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

### Light Technical

Color Designation -

## General Information

| Order Code   | Full Product Name           | Cap-Base |
|--------------|-----------------------------|----------|
| 927900504007 | TUV PL-S 5W/2P 1CT/6X10BOX  | G23      |
| 927901104007 | TUV PL-S 7W/2P 1CT/5X10CC   | G23      |
| 927901704007 | TUV PL-S 9W/2P 1CT/6X10BOX  | G23      |
| 927902304007 | TUV PL-S 11W/2P 1CT/6X10BOX | G23      |
| 927902804007 | TUV PL-S 13W/2P 1CT/6X10BOX | GX23     |

| Order Code   | Full Product Name          | Cap-Base |
|--------------|----------------------------|----------|
| 927900804007 | TUV PL-S 5W/4P 1CT/5X10CC  | 2G7      |
| 927901504007 | TUV PL-S 7W/4P 1CT/5X10CC  | -        |
| 927901904007 | TUV PL-S 9W/4P             | 2G7      |
| 927902404007 | TUV PL-S 11W/4P 1CT/6X10CC | -        |
| 927913304007 | TUV PL-S 40W/4P            | 2G7      |

## Light Technical

| Order Code   | Full Product Name           | Color Code |
|--------------|-----------------------------|------------|
| 927900504007 | TUV PL-S 5W/2P 1CT/6X10BOX  | -          |
| 927901104007 | TUV PL-S 7W/2P 1CT/5X10CC   | -          |
| 927901704007 | TUV PL-S 9W/2P 1CT/6X10BOX  | -          |
| 927902304007 | TUV PL-S 11W/2P 1CT/6X10BOX | -          |
| 927902804007 | TUV PL-S 13W/2P 1CT/6X10BOX | -          |

| Order Code   | Full Product Name          | Color Code |
|--------------|----------------------------|------------|
| 927900804007 | TUV PL-S 5W/4P 1CT/5X10CC  | -          |
| 927901504007 | TUV PL-S 7W/4P 1CT/5X10CC  | -          |
| 927901904007 | TUV PL-S 9W/4P             | -          |
| 927902404007 | TUV PL-S 11W/4P 1CT/6X10CC | -          |
| 927913304007 | TUV PL-S 40W/4P            | TUV        |

## Operating and Electrical

| Order Code   | Full Product Name          | Lamp Current (Nom) | Power Consumption |
|--------------|----------------------------|--------------------|-------------------|
| 927900504007 | TUV PL-S 5W/2P 1CT/6X10BOX | 0.18 A             | 5.5 W             |

| Order Code   | Full Product Name         | Lamp Current (Nom) | Power Consumption |
|--------------|---------------------------|--------------------|-------------------|
| 927901104007 | TUV PL-S 7W/2P 1CT/5X10CC | 0.175 A            | 7.1 W             |

# TUV PL-S

| Order Code   | Full Product Name           | Lamp Current |                   |
|--------------|-----------------------------|--------------|-------------------|
|              |                             | (Nom)        | Power Consumption |
| 927901704007 | TUV PL-S 9W/2P 1CT/6X10BOX  | 0.17 A       | 8.6 W             |
| 927902304007 | TUV PL-S 11W/2P 1CT/6X10BOX | 0.16 A       | 11.6 W            |
| 927902804007 | TUV PL-S 13W/2P 1CT/6X10BOX | 0.29 A       | 13.0 W            |
| 927900804007 | TUV PL-S 5W/4P 1CT/5X10CC   | 0.19 A       | 5.1 W             |

| Order Code   | Full Product Name          | Lamp Current |                   |
|--------------|----------------------------|--------------|-------------------|
|              |                            | (Nom)        | Power Consumption |
| 927901504007 | TUV PL-S 7W/4P 1CT/5X10CC  | 0.19 A       | 7 W               |
| 927901904007 | TUV PL-S 9W/4P             | 0.17 A       | 8.6 W             |
| 927902404007 | TUV PL-S 11W/4P 1CT/6X10CC | 0.15 A       | 11.3 W            |
| 927913304007 | TUV PL-S 40W/4P            | 0.465 mA     | 39.0 W            |

## Mechanical and Housing

| Order Code   | Full Product Name           | Bulb Shape |
|--------------|-----------------------------|------------|
| 927900504007 | TUV PL-S 5W/2P 1CT/6X10BOX  | -          |
| 927901104007 | TUV PL-S 7W/2P 1CT/5X10CC   | -          |
| 927901704007 | TUV PL-S 9W/2P 1CT/6X10BOX  | -          |
| 927902304007 | TUV PL-S 11W/2P 1CT/6X10BOX | -          |
| 927902804007 | TUV PL-S 13W/2P 1CT/6X10BOX | -          |

| Order Code   | Full Product Name          | Bulb Shape |
|--------------|----------------------------|------------|
| 927900804007 | TUV PL-S 5W/4P 1CT/5X10CC  | -          |
| 927901504007 | TUV PL-S 7W/4P 1CT/5X10CC  | -          |
| 927901904007 | TUV PL-S 9W/4P             | -          |
| 927902404007 | TUV PL-S 11W/4P 1CT/6X10CC | -          |
| 927913304007 | TUV PL-S 40W/4P            | 2XT12      |

## Approval and Application

| Order Code   | Full Product Name           | Mercury (Hg) Content (Nom) |
|--------------|-----------------------------|----------------------------|
| 927900504007 | TUV PL-S 5W/2P 1CT/6X10BOX  | 3.0 mg                     |
| 927901104007 | TUV PL-S 7W/2P 1CT/5X10CC   | 3.0 mg                     |
| 927901704007 | TUV PL-S 9W/2P 1CT/6X10BOX  | 3.0 mg                     |
| 927902304007 | TUV PL-S 11W/2P 1CT/6X10BOX | 3.0 mg                     |
| 927902804007 | TUV PL-S 13W/2P 1CT/6X10BOX | 3.0 mg                     |

| Order Code   | Full Product Name          | Mercury (Hg) Content (Nom) |
|--------------|----------------------------|----------------------------|
| 927900804007 | TUV PL-S 5W/4P 1CT/5X10CC  | 3.0 mg                     |
| 927901504007 | TUV PL-S 7W/4P 1CT/5X10CC  | -                          |
| 927901904007 | TUV PL-S 9W/4P             | 3.0 mg                     |
| 927902404007 | TUV PL-S 11W/4P 1CT/6X10CC | -                          |
| 927913304007 | TUV PL-S 40W/4P            | 3.0 mg                     |

