



# Product Description

## 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 complete lifetime of the lamp
- High system efficacy because it is not required to over-design the purification system to maintain effectiveness of disinfection

### 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 line
- PL-S lamp base contains a special starter for almost instant starting
- Wind-chill corrected versions available for optimal application performance and reducing amount of required lamps
- Warning sign on lamp indicates that the lamp radiates UVC

### Application

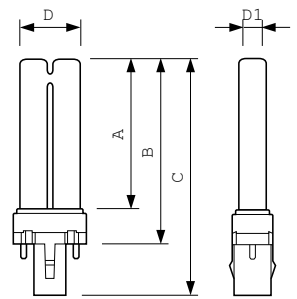
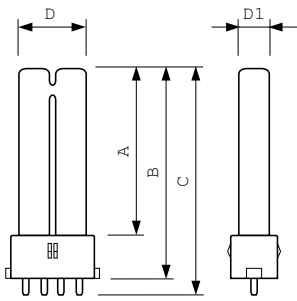
- Deactivation of bacteria, viruses and other micro-organisms
- Residential drinking water units
- Pond water units
- Air treatment units
- Stand-alone purifiers

# TUV PL-S

## Versions



## Dimensional drawing



| Product                        | D1 (max) | D (max) | A (max)  | B (max)  | C (max)  |
|--------------------------------|----------|---------|----------|----------|----------|
| TUV PL-S 9W/4P 1CT/<br>6X10BOX | 13 mm    | 28 mm   | 127.2 mm | 144.5 mm | 151.1 mm |

| Product                    | D1 (max) | D (max) | A (max) | B (max)  | C (max) |
|----------------------------|----------|---------|---------|----------|---------|
| TUV PL-S 9W/2P 1CT/6X10BOX | 13 mm    | 28 mm   | 129 mm  | 144.5 mm | 167 mm  |

## Approval and Application

|                            |        |
|----------------------------|--------|
| Mercury (Hg) Content (Nom) | 3.0 mg |
|----------------------------|--------|

## Operating and Electrical

|                    |        |
|--------------------|--------|
| Lamp Current (Nom) | 0.17 A |
| Voltage (Nom)      | 60 V   |

## General Information

|                   |              |
|-------------------|--------------|
| Useful Life (Nom) | 9000 h       |
| Main Application  | Disinfection |

## Light Technical

|                                       |      |
|---------------------------------------|------|
| Colour Code                           | TUV  |
| Colour Designation                    | -    |
| Lumen Depreciation At Useful Lifetime | 20 % |

## Mechanical and Housing

|            |       |
|------------|-------|
| Bulb Shape | 2xT12 |
|------------|-------|

## UV

|                |       |
|----------------|-------|
| UV-C Radiation | 2.3 W |
|----------------|-------|

## Operating and Electrical

| Order Code | Full Product Name          | Power (Rated) (Nom) |
|------------|----------------------------|---------------------|
| 61824580   | TUV PL-S 9W/2P 1CT/6X10BOX | 9 W                 |
| 71083380   | TUV PL-S 9W/4P 1CT/6X10BOX | 8.6 W               |

## General Information

| Order Code | Full Product Name          | Cap-Base | Order Code | Full Product Name          | Cap-Base |
|------------|----------------------------|----------|------------|----------------------------|----------|
| 61824580   | TUV PL-S 9W/2P 1CT/6X10BOX | G23      | 71083380   | TUV PL-S 9W/4P 1CT/6X10BOX | 2G7      |

