



# 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

## 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.

Approval and Application	
Mercury (Hg) Content (Nom)	3.0 mg
General Information	
Useful Life (Nom)	9000 h
Main Application	Disinfection
Light Technical	
Colour Code	TUV
Colour Designation	-
Mechanical and Housing	
Bulb Shape	2xT12

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Nom)
71083380	TUV PL-S 9W/4P 1CT/6X10BOX	0.17 A	60 V	8.6 W
62488880	TUV PL-S 11W/2P 1CT/6X10BOX	0.16 A	89 V	11.6 W

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Nom)
86723080	TUV PL-S 13W/2P 1CT/6X10BOX	0.29 A	56 V	13.0 W

## General Information

Order Code	Full Product Name	Cap-Base
71083380	TUV PL-S 9W/4P 1CT/6X10BOX	2G7
62488880	TUV PL-S 11W/2P 1CT/6X10BOX	G23

Order Code	Full Product Name	Cap-Base
86723080	TUV PL-S 13W/2P 1CT/6X10BOX	GX23

## Light Technical

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
71083380	TUV PL-S 9W/4P 1CT/6X10BOX	0.35 %
62488880	TUV PL-S 11W/2P 1CT/6X10BOX	20 %

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
86723080	TUV PL-S 13W/2P 1CT/6X10BOX	20 %

## UV

## TUV PL-S

Order Code	Full Product Name	UV-C Radiation
71083380	TUV PL-S 9W/4P 1CT/6X10BOX	2.3 W
62488880	TUV PL-S 11W/2P 1CT/6X10BOX	3.5 W

Order Code	Full Product Name	UV-C Radiation
86723080	TUV PL-S 13W/2P 1CT/6X10BOX	3.5 W

