



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

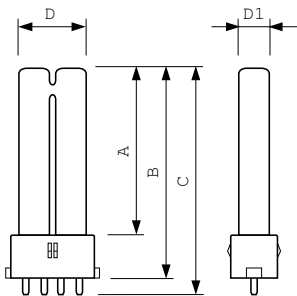
Warnings and Safety

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

Versions

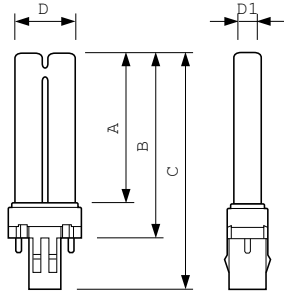


Dimensional drawing



Product	D1 (max)	D (max)	A (max)	B (max)	C (max)
TUV PL-S 5W/4P 1CT/5X10CC	13 mm	28 mm	65.2 mm	82.5 mm	89.1 mm
TUV PL-S 9W/4P	13 mm	28 mm	127.2 mm	144.5 mm	151.1 mm

Dimensional drawing



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

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 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
TUV PL-S 5W/2P 1CT/ 6X10BOX	13 mm	28 mm	67 mm	83 mm	105 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 -

Mechanical and Housing

Bulb Shape 2XT12

Operating and Electrical

Order Code	Full Product Name	Lamp		Power
		Current (Nom)	Voltage (Nom)	(Rated) (Nom)
927900504007	TUV PL-S 5W/2P 1CT/ 6X10BOX	0.18 A	34 V	5.5 W
927901104007	TUV PL-S 7W/2P 1CT/ 5X10CC	0.175 A	46 V	7.1 W
927901704007	TUV PL-S 9W/2P 1CT/ 6X10BOX	0.17 A	60 V	9 W
927902304007	TUV PL-S 11W/2P 1CT/ 6X10BOX	0.16 A	89 V	11 W

Order Code	Full Product Name	Lamp		Power
		Current (Nom)	Voltage (Nom)	(Rated) (Nom)
927900804007	TUV PL-S 5W/4P 1CT/ 5X10CC	0.19 A	27 V	5.1 W
927901904007	TUV PL-S 9W/4P	0.17 A	60 V	8.6 W
927902804007	TUV PL-S 13W/2P 1CT/ 6X10BOX	0.29 A	56 V	13.0 W

TUV PL-S

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

Order Code	Full Product Name	Cap-Base
927900804007	TUV PL-S 5W/4P 1CT/5X10CC	2G7
927901904007	TUV PL-S 9W/4P	2G7
927902804007	TUV PL-S 13W/2P 1CT/6X10BOX	GX23

Light Technical

Order Code	Full Product Name	Lumen Depreciation At Useful	
		Lifetime	
927900504007	TUV PL-S 5W/2P 1CT/6X10BOX	20 %	
927901104007	TUV PL-S 7W/2P 1CT/5X10CC	20 %	
927901704007	TUV PL-S 9W/2P 1CT/6X10BOX	20 %	
927902304007	TUV PL-S 11W/2P 1CT/6X10BOX	20 %	

Order Code	Full Product Name	Lumen Depreciation At Useful	
		Lifetime	
927900804007	TUV PL-S 5W/4P 1CT/5X10CC	15 %	
927901904007	TUV PL-S 9W/4P	20 %	
927902804007	TUV PL-S 13W/2P 1CT/6X10BOX	20 %	

UV

Order Code	Full Product Name	UV-C Radiation
927900504007	TUV PL-S 5W/2P 1CT/6X10BOX	1.1 W
927901104007	TUV PL-S 7W/2P 1CT/5X10CC	1.5 W
927901704007	TUV PL-S 9W/2P 1CT/6X10BOX	2.3 W
927902304007	TUV PL-S 11W/2P 1CT/6X10BOX	3.2 W

Order Code	Full Product Name	UV-C Radiation
927900804007	TUV PL-S 5W/4P 1CT/5X10CC	1.0 W
927901904007	TUV PL-S 9W/4P	2.3 W
927902804007	TUV PL-S 13W/2P 1CT/6X10BOX	3.4 W

