



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

Versions



TUV PL-S G23

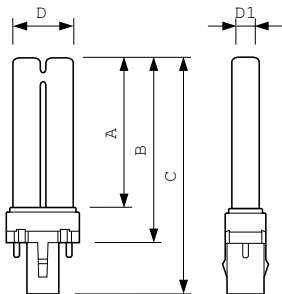
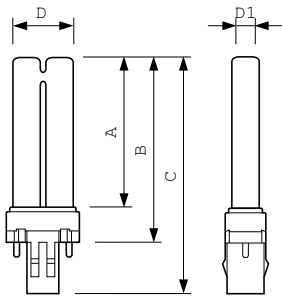


TUV PL-S 2G7



TUV PL-S GX23

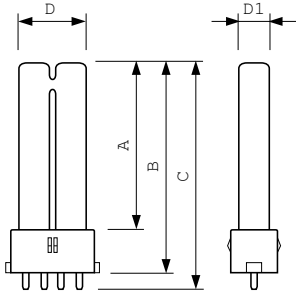
Dimensional drawing



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 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

Dimensional drawing



Product	D1 (max)	D (max)	A (max)	B (max)	C (max)
TUV PL-S 9W/4P 1CT/ 6X10BOX	13 mm	28 mm	127.2 mm	144.5 mm	151.1 mm
TUV PL-S 5W/4P 1CT/5X10CC	13 mm	28 mm	65.2 mm	82.5 mm	89.1 mm

Approval and Application

Mercury (Hg) Content (Nom)	3.0 mg
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General Information

Useful Life (Nom)	9000 h
Main Application	Disinfection

Light Technical

Color Code	TUV
Color Designation	-

Mechanical and Housing

Bulb Shape	2XT12
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Operating and Electrical

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

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 1CT/6X10BOX	2G7
927902804007	TUV PL-S 13W/2P 1CT/6X10BOX	GX23

Light Technical

TUV PL-S

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 1CT/6X10BOX	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 1CT/6X10BOX	2.3 W
927902804007	TUV PL-S 13W/2P 1CT/6X10BOX	3.4 W

