

Germicidal  
TUV PL-S



**TUV PL-S - Compact solution for residential applications**

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.

**Product 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

**Product 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

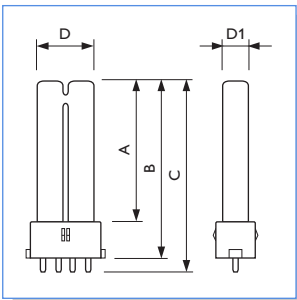
- 2-Pin PL-S lamp base contains a special starter for almost instant starting on electromagnetic drivers
- 4-Pin PL-S lamps are designed for use on electronic drivers
- Warning sign on lamp indicates that the lamp radiates UVC

**Environment**

- Good environmental choice because of lowest amount of mercury

**Application**

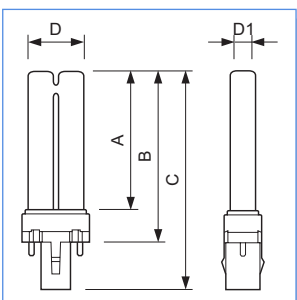
- Deactivation of bacteria, viruses and other micro-organisms
- Residential drinking water units
- Pond water units
- Air treatment units
- Stand-alone purifiers



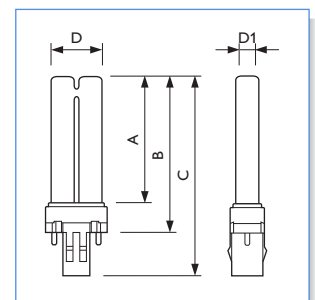
Dim. no.	A max.	B max.	C max.	D max.	D1 max.
1	65.2	82.5	89.1	28	13
2	127.2	145.0	167.0	28	13
3	196.0	213.3	219.9	28	13

Type	Wattage/Pins	Packing type	Packing configuration	Cap-Base	Useful Life (h)	Depreciation at useful lifetime (%)	Dim. no.	Photo letter	Ordering number
TUV PL-S	5W/4P	ICT	5X10CC	2G7	9,000	15	1	A	872790080475100
TUV PL-S	5W/2P	ICT	6X10BOX	G23	9,000	20	4	B	871150064248680
TUV PL-S	7W/2P	ICT	5X10CC	G23	9,000	20	5	B	871829118825400
TUV PL-S	7W/2P	UNP	50	G23	9,000	20	5	B	871150089406965
TUV PL-S	9W/2P	ICT	6X10BOX	G23	9,000	20	6	B	871150061824580
TUV PL-S	9W/4P	ICT	6X10BOX	2G7	9,000	20	2	A	871150071083380
TUV PL-S	11W/4P	ICT	6X10CC	2G7	8,000		3	A	872790093310900
TUV PL-S	11W/2P	ICT	6X10BOX	G23	9,000	20	7	B	871150062488880
TUV PL-S	13W/2P	ICT	6X10BOX	GX23	9,000	20	8	C	871150086723080

4-20330815



Dim. no.	A max.	B max.	C max.	D max.	D1 max.
4	67	83.0	105.0	28	13
5	97	112.5	135.5	28	13
6	129	145.0	167.0	28	13
7	198	213.3	236.0	28	13



Dim. no.	A max.	B max.	C max.	D max.	D1 max.
8	139.5	155.2	178.2	28	13

Germicidal  
TUV PL-S

**Additional technical data**

Product name	Lamp Voltage (V)	Lamp Current (A)	Depreciation 5000 hours (%)
TUV PL-S 7W/2P	46	0.175	-
TUV PL-S 5W/4P	27	0.190	-
TUV PL-S 11W/4P	77	0.150	20
TUV PL-S 5W/2P	34	0.180	-
TUV PL-S 9W/2P	60	0.170	-
TUV PL-S 9W/4P	60	0.170	-
TUV PL-S 11W/2P	89	0.160	-
TUV PL-S 13W/2P	56	0.290	-

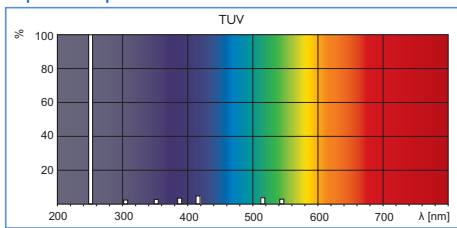
Product name	Bulb	Color Code	Cap-Base Information	Main Application
TUV PL-S 7W/2P	2xT12	TUV	2 Pins	Disinfection
TUV PL-S 5W/4P	2xT12	TUV	4 Pins	Disinfection
TUV PL-S 11W/4P	2xT12	TUV	4 Pins	Disinfection
TUV PL-S 5W/2P	2xT12	TUV	2 Pins	Disinfection
TUV PL-S 9W/2P	2xT12	TUV	2 Pins	Disinfection
TUV PL-S 9W/4P	2xT12	TUV	4 Pins	Disinfection
TUV PL-S 11W/2P	2xT12	TUV	2 Pins	Disinfection
TUV PL-S 13W/2P	2xT12	TUV	2 Pins	Disinfection

**Logistic data**

Product name	Packing type	Packing type description	Packs per outer box	Packing configuration
TUV PL-S 7W/2P	ICT	I Carton	50	5X10CC
TUV PL-S 5W/4P	ICT	I Carton	50	5X10CC
TUV PL-S 11W/4P	ICT	I Carton	60	6X10CC
TUV PL-S 5W/2P	ICT	I Carton	60	6X10BOX
TUV PL-S 7W/2P	UNP	Unpacked	50	50
TUV PL-S 9W/2P	ICT	I Carton	60	6X10BOX
TUV PL-S 9W/4P	ICT	I Carton	60	6X10BOX
TUV PL-S 11W/2P	ICT	I Carton	60	6X10BOX
TUV PL-S 13W/2P	ICT	I Carton	60	6X10BOX

Product name	Quantity per pack	Packing length (mm)	Packing width (mm)	Packing height (mm)	Gross weight per piece (g)	Net weight per piece (g)
TUV PL-S 7W/2P	1	435	146	126	36.20	26.00
TUV PL-S 5W/4P	1	450	103	121	27.84	20.00
TUV PL-S 11W/4P	1	374	244	198	58.97	41.00
TUV PL-S 5W/2P	1	390	128	192	33.30	22.00
TUV PL-S 7W/2P	1	391	154	127	31.59	26.00
TUV PL-S 9W/2P	1	387	185	188	46.13	30.70
TUV PL-S 9W/4P	1	367	177	198	44.40	30.00
TUV PL-S 11W/2P	1	385	255	185	73.33	53.23
TUV PL-S 13W/2P	1	390	213	188	49.70	32.00

**Spectral power distribution**



Germicidal  
TUV PL-S  
Cap/base

