



# TUV PL-L - Compact solution for professional applications

## TUV PL-L

TUV PL-L lamps are compact UVC (germicidal) lamps used in professional water and air disinfection units. The compact size of the lamp allows for a small system design and design flexibility. TUV PL-L lamps offer almost 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

### 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
- Special lamp glass filters out the 185 nm ozone-forming radiation
- High Output versions contain wind-chill correction for improved performance in moving air and reducing amount of required lamps
- High Output versions for optimum UVC output per lamp length, allowing for reduction of system size
- Warning sign on lamp indicates that the lamp radiates UVC

## Application

- Deactivation of bacteria, viruses and other micro-organisms
- Residential drinking water units
- Fish pond and process water units
- In-duct air treatment units
- Stand alone air purifiers
- Air disinfection systems in for example hospitals, universities and laboratories

## 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.

## Versions



## Dimensional drawing

Product	D1 (max)	D (max)	A (max)	B (max)	C (max)
TUV PL-L 18W/4P 1CT/25	18 mm	39 mm	195 mm	220 mm	225 mm
TUV PL-L 24W/4P 1CT/25	18 mm	39 mm	290 mm	315 mm	320 mm
TUV PL-L 24W/4P UNP/50	18 mm	39 mm	290 mm	315 mm	320 mm
TUV PL-L 36W/4P 1CT/25	18 mm	38 mm	385 mm	410 mm	415 mm
TUV PL-L 35W/4P HO 1CT/25	18 mm	39 mm	195 mm	220 mm	225 mm
TUV PL-L 55W/4P HF 1CT/25	18 mm	38 mm	505 mm	530 mm	535 mm
TUV PL-L 60W/4P HO 1CT/25	18 mm	38 mm	390 mm	415 mm	420 mm
TUV PL-L 95W/4P HO 1CT/25	18 mm	38 mm	505 mm	530 mm	535 mm

Approval and Application	
Mercury (Hg) Content (Nom)	4.4 mg
General Information	
Cap-Base	2G11
Useful Life (Nom)	9000 h
Main Application	Disinfection
Light Technical	
Colour Code	TUV
Colour Designation	-
Mechanical and Housing	
Bulb Shape	2xT16

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
62492540	TUV PL-L 18W/4P 1CT/25	0.375 A	58 V	18 W
21248500	TUV PL-L 24W/4P 1CT/25	0.345 A	87 V	24 W
61294665	TUV PL-L 24W/4P UNP/50	0.345 A	87 V	24 W
62878740	TUV PL-L 36W/4P 1CT/25	0.435 A	106 V	36 W
88827340	TUV PL-L 35W/4P HO 1CT/25	0.85 A	42 V	35 W

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
63379840	TUV PL-L 55W/4P HF 1CT/25	0.525 A	105 V	55 W
71034540	TUV PL-L 60W/4P HO 1CT/25	0.800 A	84 V	67 W
88829740	TUV PL-L 95W/4P HO 1CT/25	0.8 A	115 V	90 W

General Information

Order Code	Full Product Name	System Description
62492540	TUV PL-L 18W/4P 1CT/25	na
21248500	TUV PL-L 24W/4P 1CT/25	na
61294665	TUV PL-L 24W/4P UNP/50	na
62878740	TUV PL-L 36W/4P 1CT/25	na

Order Code	Full Product Name	System Description
88827340	TUV PL-L 35W/4P HO 1CT/25	High Output (HO)
63379840	TUV PL-L 55W/4P HF 1CT/25	High Frequency
71034540	TUV PL-L 60W/4P HO 1CT/25	High Output (HO)
88829740	TUV PL-L 95W/4P HO 1CT/25	High Output (HO)

Light Technical

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
62492540	TUV PL-L 18W/4P 1CT/25	20 %
21248500	TUV PL-L 24W/4P 1CT/25	20 %
61294665	TUV PL-L 24W/4P UNP/50	20 %
62878740	TUV PL-L 36W/4P 1CT/25	20 %

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
88827340	TUV PL-L 35W/4P HO 1CT/25	20 %
63379840	TUV PL-L 55W/4P HF 1CT/25	15 %
71034540	TUV PL-L 60W/4P HO 1CT/25	20 %
88829740	TUV PL-L 95W/4P HO 1CT/25	15 %

UV

Order Code	Full Product Name	UV-C Radiation
62492540	TUV PL-L 18W/4P 1CT/25	4.7 W
21248500	TUV PL-L 24W/4P 1CT/25	7.1 W
61294665	TUV PL-L 24W/4P UNP/50	7.1 W
62878740	TUV PL-L 36W/4P 1CT/25	11.2 W

Order Code	Full Product Name	UV-C Radiation
88827340	TUV PL-L 35W/4P HO 1CT/25	8.5 W
63379840	TUV PL-L 55W/4P HF 1CT/25	17.0 W
71034540	TUV PL-L 60W/4P HO 1CT/25	19.0 W
88829740	TUV PL-L 95W/4P HO 1CT/25	25.5 W

