

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

TUV PL-L

Application

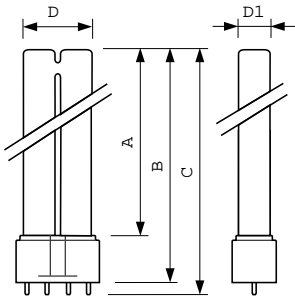
- Deactivation of bacteria, viruses and other micro-organisms
- Residential drinking water units
- Fish pond and process water units
- In-duct air treatment units
- Stand alone air purifiers
- Air disinfection systems in for example hospitals, universities and laboratories

Versions



TUV PL-L

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 95W/4P HO 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 24W/4P 1CT/25	18 mm	39 mm	290 mm	315 mm	320 mm
TUV PL-L 35W/4P HO 1CT/25	18 mm	39 mm	195 mm	220 mm	225 mm
TUV PL-L 36W/4P 1CT/25	18 mm	38 mm	385 mm	410 mm	415 mm
TUV PL-L 24W/4P UNP/50	18 mm	39 mm	290 mm	315 mm	320 mm
TUV PL-L 55W/4P HF 1CT/25	18 mm	38 mm	505 mm	530 mm	535 mm

General Information

Cap-Base	2G11
Useful Life (Nom)	9000 h
Main Application	Disinfection

Light Technical

Color Code	TUV
Color Designation	-
Lumen Depreciation At Useful Lifetime	15 %

Mechanical and Housing

Bulb Shape	2xT16
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Approval and Application

TUV PL-L

Order Code	Full Product Name	Mercury (Hg) Content (Nom)
927903004007	TUV PL-L 18W/4P 1CT/25	4.4 mg
927903204007	TUV PL-L 24W/4P 1CT/25	4.4 mg
927903204016	TUV PL-L 24W/4P UNP/50	4.4 mg
927903404007	TUV PL-L 36W/4P 1CT/25	-

Order Code	Full Product Name	Mercury (Hg) Content (Nom)
927904204007	TUV PL-L 35W/4P HO 1CT/25	4.4 mg
927908704007	TUV PL-L 55W/4P HF 1CT/25	4.4 mg
927909004007	TUV PL-L 60W/4P HO 1CT/25	4.4 mg
927909804007	TUV PL-L 95W/4P HO 1CT/25	4.4 mg

Operating and Electrical

Order Code	Full Product Name	Lamp		Power
		Current (Nom)	Voltage (Nom)	(Rated) (Nom)
927903004007	TUV PL-L 18W/4P 1CT/25	0.37 A	60 V	18 W
927903204007	TUV PL-L 24W/4P 1CT/25	0.345 A	87 V	24 W
927903204016	TUV PL-L 24W/4P UNP/50	0.345 A	87 V	24 W
927903404007	TUV PL-L 36W/4P 1CT/25	0.44 A	105 V	36 W
927904204007	TUV PL-L 35W/4P HO 1CT/25	0.85 A	42 V	35 W

Order Code	Full Product Name	Lamp		Power
		Current (Nom)	Voltage (Nom)	(Rated) (Nom)
927908704007	TUV PL-L 55W/4P HF 1CT/25	0.54 A	103 V	55 W
927909004007	TUV PL-L 60W/4P HO 1CT/25	0.800 A	84 V	60 W
927909804007	TUV PL-L 95W/4P HO 1CT/25	0.8 A	115 V	90 W

General Information

Order Code	Full Product Name	System Description
927903004007	TUV PL-L 18W/4P 1CT/25	-
927903204007	TUV PL-L 24W/4P 1CT/25	-
927903204016	TUV PL-L 24W/4P UNP/50	-
927903404007	TUV PL-L 36W/4P 1CT/25	-

Order Code	Full Product Name	System Description
927904204007	TUV PL-L 35W/4P HO 1CT/25	-
927908704007	TUV PL-L 55W/4P HF 1CT/25	High Frequency
927909004007	TUV PL-L 60W/4P HO 1CT/25	-
927909804007	TUV PL-L 95W/4P HO 1CT/25	High Frequency

UV

Order Code	Full Product Name	UV-C Radiation
927903004007	TUV PL-L 18W/4P 1CT/25	5.5 W
927903204007	TUV PL-L 24W/4P 1CT/25	7.1 W
927903204016	TUV PL-L 24W/4P UNP/50	7.1 W
927903404007	TUV PL-L 36W/4P 1CT/25	12.0 W

Order Code	Full Product Name	UV-C Radiation
927904204007	TUV PL-L 35W/4P HO 1CT/25	11.0 W
927908704007	TUV PL-L 55W/4P HF 1CT/25	17.0 W
927909004007	TUV PL-L 60W/4P HO 1CT/25	19.0 W
927909804007	TUV PL-L 95W/4P HO 1CT/25	27.0 W

