



Product Description

TUV PL-L

TUV PL-L 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-L 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 complete 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 36W/4P 1CT/25 | 18 mm | 38 mm | 385 mm | 410 mm | 415 mm |
| TUV PL-L 55W/4P HF 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

TUV PL-L

| Order Code | Full Product Name | Lamp | | Power |
|--------------|------------------------|---------------|---------------|---------------|
| | | Current (Nom) | Voltage (Nom) | (Rated) (Nom) |
| 927903004007 | TUV PL-L 18W/4P 1CT/25 | 0.375 A | 58 V | 18 W |
| 927903204007 | TUV PL-L 24W/4P 1CT/25 | 0.345 A | 87 V | 24 W |
| 927903404007 | TUV PL-L 36W/4P 1CT/25 | 0.435 A | 106 V | 36 W |

| Order Code | Full Product Name | Lamp | | Power |
|--------------|---------------------------|---------------|---------------|---------------|
| | | Current (Nom) | Voltage (Nom) | (Rated) (Nom) |
| 927908704007 | TUV PL-L 55W/4P HF 1CT/25 | 0.525 A | 105 V | 55 W |

General Information

| Order Code | Full Product Name | System Description |
|--------------|------------------------|--------------------|
| 927903004007 | TUV PL-L 18W/4P 1CT/25 | na |
| 927903204007 | TUV PL-L 24W/4P 1CT/25 | na |

| Order Code | Full Product Name | System Description |
|--------------|---------------------------|--------------------|
| 927903404007 | TUV PL-L 36W/4P 1CT/25 | na |
| 927908704007 | TUV PL-L 55W/4P HF 1CT/25 | High Frequency |

Light Technical

| Order Code | Full Product Name | Lumen Depreciation At Useful Lifetime |
|--------------|------------------------|---------------------------------------|
| 927903004007 | TUV PL-L 18W/4P 1CT/25 | 20 % |
| 927903204007 | TUV PL-L 24W/4P 1CT/25 | 20 % |

| Order Code | Full Product Name | Lumen Depreciation At Useful Lifetime |
|--------------|---------------------------|---------------------------------------|
| 927903404007 | TUV PL-L 36W/4P 1CT/25 | 20 % |
| 927908704007 | TUV PL-L 55W/4P HF 1CT/25 | 15 % |

UV

| Order Code | Full Product Name | UV-C Radiation |
|--------------|------------------------|----------------|
| 927903004007 | TUV PL-L 18W/4P 1CT/25 | 4.7 W |
| 927903204007 | TUV PL-L 24W/4P 1CT/25 | 7.1 W |

| Order Code | Full Product Name | UV-C Radiation |
|--------------|---------------------------|----------------|
| 927903404007 | TUV PL-L 36W/4P 1CT/25 | 11.2 W |
| 927908704007 | TUV PL-L 55W/4P HF 1CT/25 | 17.0 W |

