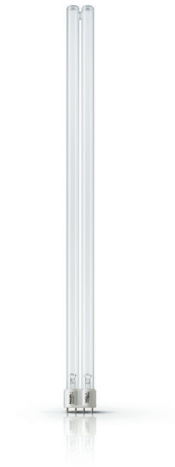




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TUV PL-L - Compact solution for professional applications

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



TUV PL-L

Dimensional drawing

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

Approval and Application

| Order Code | Full Product Name | Mercury (Hg) Content (Nom) |
|------------|-------------------|----------------------------|
| 210641 | TUV PL-L 18W 25PK | 4.4 mg |
| 265850 | TUV PL-L 36W 25PK | - |
| 137265 | PL-L 35W/TUV 25PK | 4.4 mg |

| Order Code | Full Product Name | Mercury (Hg) Content (Nom) |
|------------|----------------------|----------------------------|
| 294645 | TUV 55W PLL 25PK | 4.4 mg |
| 130351 | TUV PL-L60W | 4.4 mg |
| 137257 | TUV PL-L 95W HO 25PK | 4.4 mg |

Operating and Electrical

| Order Code | Full Product Name | Lamp Current | | Power (Rated) | |
|------------|-------------------|--------------|---------------|---------------|-------|
| | | (Nom) | Voltage (Nom) | (Nom) | (Nom) |
| 210641 | TUV PL-L 18W 25PK | 0.37 A | 60 V | 18 W | |
| 265850 | TUV PL-L 36W 25PK | 0.44 A | 105 V | 36 W | |
| 137265 | PL-L 35W/TUV 25PK | 0.85 A | 42 V | 35 W | |

| Order Code | Full Product Name | Lamp Current | | Power (Rated) | |
|------------|----------------------|--------------|---------------|---------------|-------|
| | | (Nom) | Voltage (Nom) | (Nom) | (Nom) |
| 294645 | TUV 55W PLL 25PK | 0.54 A | 103 V | 55 W | |
| 130351 | TUV PL-L60W | 0.800 A | 84 V | 60 W | |
| 137257 | TUV PL-L 95W HO 25PK | 0.8 A | 115 V | 90 W | |

General Information

| Order Code | Full Product Name | System Description |
|------------|-------------------|--------------------|
| 210641 | TUV PL-L 18W 25PK | na |
| 265850 | TUV PL-L 36W 25PK | na |
| 137265 | PL-L 35W/TUV 25PK | na |

| Order Code | Full Product Name | System Description |
|------------|----------------------|--------------------|
| 294645 | TUV 55W PLL 25PK | HF |
| 130351 | TUV PL-L60W | na |
| 137257 | TUV PL-L 95W HO 25PK | HF |

UV

| Order Code | Full Product Name | UV-C Radiation |
|------------|-------------------|----------------|
| 210641 | TUV PL-L 18W 25PK | 5.5 W |
| 265850 | TUV PL-L 36W 25PK | 12.0 W |
| 137265 | PL-L 35W/TUV 25PK | 11.0 W |

| Order Code | Full Product Name | UV-C Radiation |
|------------|----------------------|----------------|
| 294645 | TUV 55W PLL 25PK | 17.0 W |
| 130351 | TUV PL-L60W | 19.0 W |
| 137257 | TUV PL-L 95W HO 25PK | 27.0 W |

TUV PL-L

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2020, April 6 - data subject to change