



TUV T8 - Guaranteed lifetime simplifying planned maintenance in professional applications

TUV T8

TUV T8 lamps are double-ended UVC (germicidal) lamps used in professional water and air disinfection units. TUV T8 lamps offer almost constant UV output over their complete lifetime, for maximum security of disinfection and high system efficacy. Moreover, they have a long and reliable lifetime, which allows maintenance to be planned for in advance.

Benefits

- Security of effective disinfection over the useful lifetime of the lamp
- Maintenance can be planned in advance, virtually eliminating the need for expensive spot replacement of prematurely failed lamps
- 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

TUV T8

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
- Long lifetime of 18.000 hours (based on operation on a Philips electronic driver)
- High reliability with the lowest percentage of lamps that fail prematurely in the market (90% of all lamps still operate on full output and quality after 15,000 hrs if operated on a Philips electronic driver)
- Special lamp glass filters out the 185 nm ozone-forming radiation
- High Output versions available for optimum UVC output per lamp length, allowing for reduction of system size
- Warning sign on lamp indicates that the lamp radiates UVC

Application

- Air disinfection systems in professional applications such as universities, hospitals, jails and laboratories
- Upper air and whole room disinfection equipment in hospitals, intensive care units and surgery rooms
- Areas with low maintenance and/or disruptive costs
- Fish ponds and process water units

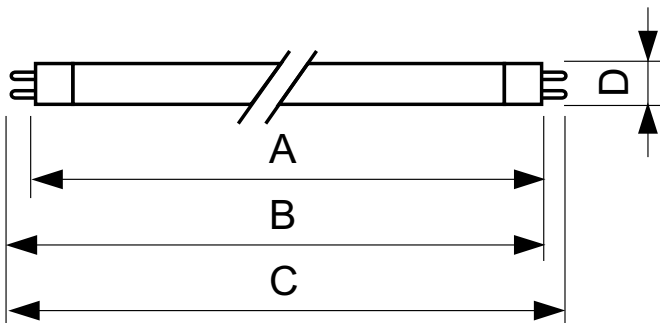
Versions



T5, G13

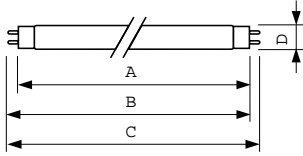
TUV T8

Dimensional drawing



| Product | D (max) | B (max) | B (min) | C (max) | A (max) |
|--------------------------|---------|----------|----------|----------|----------|
| TUV T5 10W with adapters | 16 mm | 338.6 mm | 336.2 mm | 345.7 mm | 331.5 mm |
| T5-T8 FAM/10X25 | | | | | |

Dimensional drawing



| Product | D (max) | A (max) | B (max) | B (min) | C (max) |
|------------------------|---------|-----------|-----------|-----------|-----------|
| TUV TL-D 95W HO SLV/25 | 28 mm | 1500 mm | 1507.1 mm | 1504.7 mm | 1514.2 mm |
| TUV 55W HO 1SL/6 | 28 mm | 894.6 mm | 901.7 mm | 899.3 mm | 908.8 mm |
| TUV 75W HO 1SL/6 | 28 mm | 1199.4 mm | 1206.5 mm | 1204.1 mm | 1213.6 mm |
| TUV T8 F17 1SL/25 | 28 mm | 589.8 mm | 596.9 mm | 594.5 mm | 604.0 mm |
| TUV 30W 1SL/25 | 28 mm | 894.6 mm | 901.7 mm | 899.3 mm | 908.8 mm |
| TUV 25W 1SL/25 | 28 mm | 437.4 mm | 444.5 mm | 442.1 mm | 451.6 mm |
| TUV 15W SLV/25 | 28 mm | 437.4 mm | 444.5 mm | 442.1 mm | 451.6 mm |
| TUV 36W SLV/6 | 28 mm | 1199.4 mm | 1206.5 mm | 1204.1 mm | 1213.6 mm |

| General Information | |
|---------------------|--------------|
| Cap-Base | G13 |
| Main Application | Disinfection |
| Light Technical | |
| Color Code | TUV |
| Color Designation | - |

Approval and Application

| Order Code | Full Product Name | Mercury (Hg) Content (Nom) |
|--------------|------------------------------------------|----------------------------|
| 927801304011 | TUV T5 10W with adapters T5-T8 FAM/10X25 | 4.4 mg |
| 927941904020 | TUV T8 F17 1SL/25 | 2.0 mg |
| 928039004005 | TUV 15W SLV/25 | 2.0 mg |
| 928039404005 | TUV 25W 1SL/25 | 2.0 mg |
| 928039504005 | TUV 30W 1SL/25 | 2.0 mg |

| Order Code | Full Product Name | Mercury (Hg) Content (Nom) |
|--------------|------------------------|----------------------------|
| 928048604003 | TUV 36W SLV/6 | 2.0 mg |
| 928049404003 | TUV 75W HO 1SL/6 | 2.0 mg |
| 928049504003 | TUV 55W HO 1SL/6 | 2.0 mg |
| 928049804006 | TUV TL-D 95W HO SLV/25 | 8.0 mg |

Operating and Electrical

| Order Code | Full Product Name | Lamp Current (Nom) | Voltage (Nom) | Power (Rated) (Nom) |
|--------------|------------------------------------------|--------------------|---------------|---------------------|
| 927801304011 | TUV T5 10W with adapters T5-T8 FAM/10X25 | 0.22 A | 48.5 V | 9 W |
| 927941904020 | TUV T8 F17 1SL/25 | 0.265 A | 72 V | 16.7 W |
| 928039004005 | TUV 15W SLV/25 | 0.34 A | 54 V | 15.9 W |
| 928039404005 | TUV 25W 1SL/25 | 0.6 A | 48 V | 25.5 W |

| Order Code | Full Product Name | Lamp Current (Nom) | Voltage (Nom) | Power (Rated) (Nom) |
|--------------|------------------------|--------------------|---------------|---------------------|
| 928039504005 | TUV 30W 1SL/25 | 0.37 A | 102 V | 30 W |
| 928048604003 | TUV 36W SLV/6 | 0.44 A | 103 V | 36 W |
| 928049404003 | TUV 75W HO 1SL/6 | 0.84 A | 110 V | 75 W |
| 928049504003 | TUV 55W HO 1SL/6 | 0.77 A | 86 V | 54 W |
| 928049804006 | TUV TL-D 95W HO SLV/25 | 0.620 A | 124 V | 95 W |

General Information

| Order Code | Full Product Name | Useful Life (Nom) | System Description |
|--------------|------------------------------------------|-------------------|--------------------|
| 927801304011 | TUV T5 10W with adapters T5-T8 FAM/10X25 | 9000 h | - |
| 927941904020 | TUV T8 F17 1SL/25 | 9000 h | - |
| 928039004005 | TUV 15W SLV/25 | 9000 h | - |

| Order Code | Full Product Name | Useful Life (Nom) | System Description |
|--------------|-------------------|-------------------|--------------------|
| 928039404005 | TUV 25W 1SL/25 | 9000 h | - |
| 928039504005 | TUV 30W 1SL/25 | 9000 h | - |
| 928048604003 | TUV 36W SLV/6 | 9000 h | - |
| 928049404003 | TUV 75W HO 1SL/6 | 9000 h | High Output |

TUV T8

| Order Code | Full Product Name | Useful Life (Nom) | System Description |
|--------------|-------------------|-------------------|--------------------|
| 928049504003 | TUV 55W HO 1SL/6 | 9000 h | High Output |

| Order Code | Full Product Name | Useful Life (Nom) | System Description |
|--------------|------------------------|-------------------|--------------------|
| 928049804006 | TUV TL-D 95W HO SLV/25 | 8000 h | High Output |

Light Technical

| Order Code | Full Product Name | Lumen Depreciation At Useful Lifetime |
|--------------|------------------------------------------|---------------------------------------|
| 927801304011 | TUV T5 10W with adapters T5-T8 FAM/10X25 | 85 % |
| 927941904020 | TUV T8 F17 1SL/25 | 15 % |
| 928039004005 | TUV 15W SLV/25 | 10 % |
| 928039404005 | TUV 25W 1SL/25 | 15 % |

| Order Code | Full Product Name | Lumen Depreciation At Useful Lifetime |
|--------------|------------------------|---------------------------------------|
| 928039504005 | TUV 30W 1SL/25 | 10 % |
| 928048604003 | TUV 36W SLV/6 | 10 % |
| 928049404003 | TUV 75W HO 1SL/6 | 10 % |
| 928049504003 | TUV 55W HO 1SL/6 | 10 % |
| 928049804006 | TUV TL-D 95W HO SLV/25 | 10 % |

Mechanical and Housing

| Order Code | Full Product Name | Bulb Shape |
|--------------|------------------------------------------|------------|
| 927801304011 | TUV T5 10W with adapters T5-T8 FAM/10X25 | T5 |
| 927941904020 | TUV T8 F17 1SL/25 | T8 |
| 928039004005 | TUV 15W SLV/25 | T26 |
| 928039404005 | TUV 25W 1SL/25 | T26 |
| 928039504005 | TUV 30W 1SL/25 | T26 |

| Order Code | Full Product Name | Bulb Shape |
|--------------|------------------------|------------|
| 928048604003 | TUV 36W SLV/6 | T26 |
| 928049404003 | TUV 75W HO 1SL/6 | T26 |
| 928049504003 | TUV 55W HO 1SL/6 | T26 |
| 928049804006 | TUV TL-D 95W HO SLV/25 | T26 |

UV

| Order Code | Full Product Name | UV-C Radiation |
|--------------|------------------------------------------|----------------|
| 927801304011 | TUV T5 10W with adapters T5-T8 FAM/10X25 | 2.8 W |
| 927941904020 | TUV T8 F17 1SL/25 | 4.5 W |
| 928039004005 | TUV 15W SLV/25 | 4.9 W |
| 928039404005 | TUV 25W 1SL/25 | 7 W |
| 928039504005 | TUV 30W 1SL/25 | 12.0 W |

| Order Code | Full Product Name | UV-C Radiation |
|--------------|------------------------|----------------|
| 928048604003 | TUV 36W SLV/6 | 15.0 W |
| 928049404003 | TUV 75W HO 1SL/6 | 25.5 W |
| 928049504003 | TUV 55W HO 1SL/6 | 17.5 W |
| 928049804006 | TUV TL-D 95W HO SLV/25 | 22.5 W |

