



# Product Description

## TUV T8

TUV T8 lamps are double-ended UVC (germicidal) lamps used in professional water and air disinfection units. TUV T8 lamps offer 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
- Security of effective disinfection over the complete 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
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- Maintenance can be planned in advance, virtually eliminating the need for expensive spot replacement of prematurely failed lamps
- Good environmental choice because of lowest amount of mercury

## Features

- Short-wave UV radiation with a peak at 253.7 nm (UVC) for disinfection purposes
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- Protective inside coating ensures constant UV output over the complete lifetime of the lamp
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- Long lifetime of 18.000 hours (based on operation on a Philips electronic driver)
- Long and reliable lifetime with the lowest percentage of lamps that fail prematurely in the market
- 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)
- Lamp glass filters out the 185 nm ozone-forming line
- 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
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- Warning sign on lamp indicates that the lamp radiates UVC
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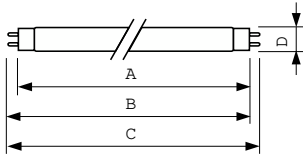
## Application

- Air disinfection systems in professional applications such as universities, hospitals, jails and laboratories
- Deactivation of bacteria, viruses and other micro-organisms
- Upper air and whole room disinfection equipment in hospitals, intensive care units and surgery rooms
- Stand alone and wall-mounted, upper air and whole room air disinfection equipment in for example hospitals, schools and offices
- Areas with low maintenance and/or disruptive costs
- Residential drinking water units
- Fish ponds and process water units
- Industrial water treatment equipment in food & beverage industry, clean rooms, etc.
- Water recycling equipment in greenhouses and horticultural applications
- Fish pond water units

## 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.
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- 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.
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Dimensional drawing



| Product                | D (max) | A (max)    | B (max)    | B (min)    | C (max)    |
|------------------------|---------|------------|------------|------------|------------|
| TUV 15W SLV/25         | 28 mm   | 437.4 mm   | 444.5 mm   | 442.1 mm   | 451.6 mm   |
| TUV 25W 1SL/25         | 28 mm   | 437.4 mm   | 444.5 mm   | 442.1 mm   | 451.6 mm   |
| TUV 30W 1SL/25-Latest  | 28 mm   | 894.6 mm   | 901.7 mm   | 899.3 mm   | 908.8 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   | 1,199.4 mm | 1,206.5 mm | 1,204.1 mm | 1,213.6 mm |
| TUV T8 F17 1SL/25      | 28 mm   | 589.8 mm   | 596.9 mm   | 594.5 mm   | 604.0 mm   |
| TUV TL-D 95W HO SLV/25 | 28 mm   | 1,500 mm   | 1,507.1 mm | 1,504.7 mm | 1,514.2 mm |

| General Information |     |
|---------------------|-----|
| Cap-Base            | G13 |
| Light Technical     |     |
| Color Designation   | -   |

Light Technical

| Order Code   | Full Product Name     | Color Code |
|--------------|-----------------------|------------|
| 927941904020 | TUV T8 F17 1SL/25     | -          |
| 928039004005 | TUV 15W SLV/25        | -          |
| 928039404005 | TUV 25W 1SL/25        | -          |
| 928039504005 | TUV 30W 1SL/25-Latest | -          |

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

Operating and Electrical

| Order Code   | Full Product Name     | Lamp Current (Nom) | Power Consumption |
|--------------|-----------------------|--------------------|-------------------|
| 927941904020 | TUV T8 F17 1SL/25     | 0.236 A            | 16.7 W            |
| 928039004005 | TUV 15W SLV/25        | 0.335 A            | 15.5 W            |
| 928039404005 | TUV 25W 1SL/25        | 0.612 A            | 25 W              |
| 928039504005 | TUV 30W 1SL/25-Latest | 0.365 A            | 30 W              |

| Order Code   | Full Product Name      | Lamp Current (Nom) | Power Consumption |
|--------------|------------------------|--------------------|-------------------|
| 928049404003 | TUV 75W HO 1SL/6       | 0.835 A            | 75 W              |
| 928049504003 | TUV 55W HO 1SL/6       | 0.765 A            | 54 W              |
| 928049804006 | TUV TL-D 95W HO SLV/25 | 0.620 A            | 60 W              |

Mechanical and Housing

| Order Code   | Full Product Name     | Bulb Shape |
|--------------|-----------------------|------------|
| 927941904020 | TUV T8 F17 1SL/25     | -          |
| 928039004005 | TUV 15W SLV/25        | -          |
| 928039404005 | TUV 25W 1SL/25        | -          |
| 928039504005 | TUV 30W 1SL/25-Latest | -          |

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

Approval and Application

| Order Code   | Full Product Name     | Mercury (Hg) Content (Nom) |
|--------------|-----------------------|----------------------------|
| 927941904020 | TUV T8 F17 1SL/25     | 5.0 mg                     |
| 928039004005 | TUV 15W SLV/25        | 2.0 mg                     |
| 928039404005 | TUV 25W 1SL/25        | 2.0 mg                     |
| 928039504005 | TUV 30W 1SL/25-Latest | 2.0 mg                     |

| Order Code   | Full Product Name      | Mercury (Hg) Content (Nom) |
|--------------|------------------------|----------------------------|
| 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                     |

