



TUV TL Mini - Small diameter lamps for residential applications

TUV TL Mini

TUV TL Mini lamps are slim double-ended UVC (germicidal) lamps used in residential water and air disinfection units. The small 16 mm diameter of the lamp allows for a small system design and design flexibility. TUV TL Mini lamps offer almost constant UV output over their complete lifetime, for maximum security of disinfection and high system efficacy.

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
- Good environmental choice because of lowest amount of mercury

Features

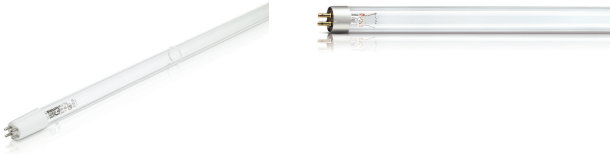
- Short-wave UV radiation with a peak at 253.7 nm (UVC) for disinfection purposes
- Protective inside coating ensures almost constant UV output over the complete lifetime of the lamp
- Special lamp glass filters out the 185 nm ozone-forming radiation
- Warning sign on lamp indicates that the lamp radiates UVC

TUV TL Mini

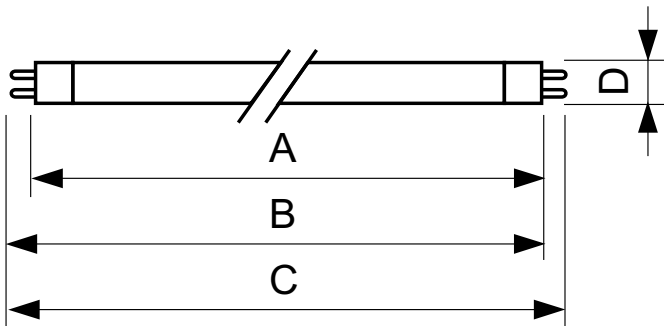
Application

- Deactivation of bacteria, viruses and other micro-organisms
- Residential drinking water units
- Fish pond water units
- In-duct air treatment units
- Stand alone air purifiers

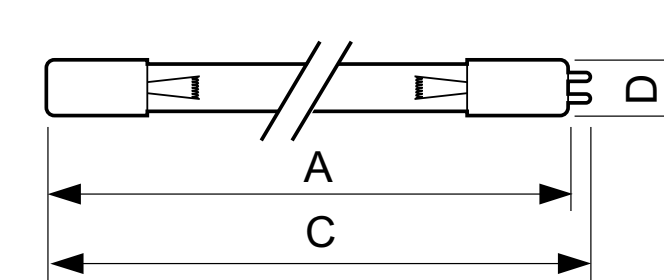
Versions



Dimensional drawing



| Product | D (max) | B (max) | B (min) | C (max) | A (max) |
|----------------------|---------|----------|----------|----------|----------|
| TUV 20W FAM/10X25CC | 16 mm | 405.1 mm | 402.7 mm | 412.2 mm | 398 mm |
| TUV 11W FAM/10X25BOX | 16 mm | 219.2 mm | 216.8 mm | 226.3 mm | 212.1 mm |
| TUV 16W FAM/10X25BOX | 16 mm | 295.4 mm | 293 mm | 302.5 mm | 288.3 mm |
| TUV 8W FAM/10X25BOX | 16 mm | 295.4 mm | 293 mm | 302.5 mm | 288.3 mm |
| TUV 6W FAM/10X25BOX | 16 mm | 219.2 mm | 216.8 mm | 226.3 mm | 212.1 mm |
| TUV 4W FAM/10X25BOX | 16 mm | 143 mm | 140.6 mm | 150.1 mm | 135.9 mm |



| Product | D (max) | C (max) | A (max) |
|------------------------|---------|----------|----------|
| TUV 25W - 4P SE UNP/32 | 19.3 mm | 556.6 mm | 548.9 mm |
| TUV 16W 4P SE UNP/32 | 19 mm | 328 mm | 320.3 mm |
| TUV 11W 4P SE UNP/32 | 19 mm | 251.8 mm | 244.1 mm |

Approval and Application

| | |
|----------------------------|--------|
| Mercury (Hg) Content (Nom) | 4.4 mg |
|----------------------------|--------|

General Information

| | |
|--------------------|--------------|
| Main Application | Disinfection |
| System Description | na |

Light Technical

| | |
|--------------------|-----|
| Colour Code | TUV |
| Colour Designation | - |

Mechanical and Housing

| | |
|------------|-----|
| Bulb Shape | T16 |
|------------|-----|

Operating and Electrical

| Order Code | Full Product Name | Lamp Current | | Power (Rated) |
|------------|------------------------|--------------|---------------|---------------|
| | | (Nom) | Voltage (Nom) | (Nom) |
| 64382799 | TUV 11W 4P SE UNP/32 | 0.330 A | 34 V | 11 W |
| 64385899 | TUV 16W 4P SE UNP/32 | 0.4 A | 43 V | 15 W |
| 26440499 | TUV 25W - 4P SE UNP/32 | 0.35 A | 82 V | 23 W |
| 63872427 | TUV 4W FAM/10X25BOX | 0.17 A | 29 V | 4 W |
| 62364527 | TUV 6W FAM/10X25BOX | 0.16 A | 42 V | 6 W |

| Order Code | Full Product Name | Lamp Current | | Power (Rated) |
|------------|----------------------|--------------|---------------|---------------|
| | | (Nom) | Voltage (Nom) | (Nom) |
| 62368327 | TUV 8W FAM/10X25BOX | 0.15 A | 56 V | 8 W |
| 63869427 | TUV 16W FAM/10X25BOX | 0.4 A | 43 V | 15 W |
| 55965427 | TUV 11W FAM/10X25BOX | 0.4 A | 34 V | 11.5 W |
| 81385200 | TUV 20W FAM/10X25CC | 0.450 A | 45 V | 20 W |

General Information

| Order Code | Full Product Name | Cap-Base | Useful Life (Nom) |
|------------|------------------------|------------------|-------------------|
| 64382799 | TUV 11W 4P SE UNP/32 | 4PINSSINGLEENDED | 9000 h |
| 64385899 | TUV 16W 4P SE UNP/32 | 4PINSSINGLEENDED | 9000 h |
| 26440499 | TUV 25W - 4P SE UNP/32 | 4PINSSINGLEENDED | 9000 h |
| 63872427 | TUV 4W FAM/10X25BOX | G5 | 6000 h |
| 62364527 | TUV 6W FAM/10X25BOX | G5 | 9000 h |

| Order Code | Full Product Name | Cap-Base | Useful Life (Nom) |
|------------|----------------------|----------|-------------------|
| 62368327 | TUV 8W FAM/10X25BOX | G5 | 11000 h |
| 63869427 | TUV 16W FAM/10X25BOX | G5 | 11000 h |
| 55965427 | TUV 11W FAM/10X25BOX | G5 | 11000 h |
| 81385200 | TUV 20W FAM/10X25CC | G5 | 11000 h |

Light Technical

| Order Code | Full Product Name | Lumen Depreciation At Useful Lifetime |
|------------|------------------------|---------------------------------------|
| 64382799 | TUV 11W 4P SE UNP/32 | 15 % |
| 64385899 | TUV 16W 4P SE UNP/32 | 15 % |
| 26440499 | TUV 25W - 4P SE UNP/32 | 20 % |
| 63872427 | TUV 4W FAM/10X25BOX | 20 % |
| 62364527 | TUV 6W FAM/10X25BOX | 20 % |

| Order Code | Full Product Name | Lumen Depreciation At Useful Lifetime |
|------------|----------------------|---------------------------------------|
| 62368327 | TUV 8W FAM/10X25BOX | 15 % |
| 63869427 | TUV 16W FAM/10X25BOX | 15 % |
| 55965427 | TUV 11W FAM/10X25BOX | 15 % |
| 81385200 | TUV 20W FAM/10X25CC | 15 % |

UV

| Order Code | Full Product Name | UV-C Radiation |
|------------|------------------------|----------------|
| 64382799 | TUV 11W 4P SE UNP/32 | 2.6 W |
| 64385899 | TUV 16W 4P SE UNP/32 | 4.0 W |
| 26440499 | TUV 25W - 4P SE UNP/32 | 8.0 W |
| 63872427 | TUV 4W FAM/10X25BOX | 0.9 W |
| 62364527 | TUV 6W FAM/10X25BOX | 1.7 W |

| Order Code | Full Product Name | UV-C Radiation |
|------------|----------------------|----------------|
| 62368327 | TUV 8W FAM/10X25BOX | 2.4 W |
| 63869427 | TUV 16W FAM/10X25BOX | 4.0 W |
| 55965427 | TUV 11W FAM/10X25BOX | 2.6 W |
| 81385200 | TUV 20W FAM/10X25CC | 6.0 W |

