



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

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

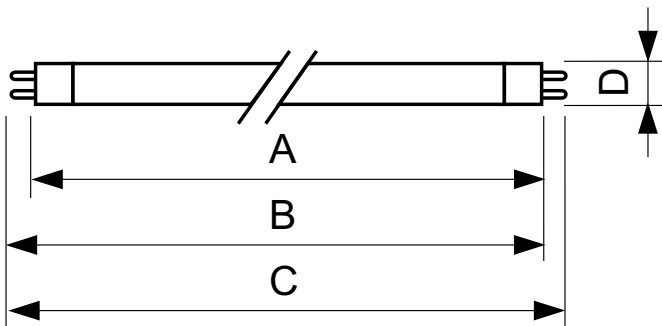
Warnings and Safety

- 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	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 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 4W FAM/10X25BOX	16 mm	143 mm	140.6 mm	150.1 mm	135.9 mm
TUV 6W FAM/10X25BOX	16 mm	219.2 mm	216.8 mm	226.3 mm	212.1 mm
TUV 11W FAM/10X25BOX	16 mm	219.2 mm	216.8 mm	226.3 mm	212.1 mm

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Approval and Application

Mercury (Hg) Content (Nom)	4.4 mg
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General Information

Cap-Base	G5
Main Application	Disinfection
System Description	na

Light Technical

Colour Code	TUV
Colour Designation	-

Mechanical and Housing

Bulb Shape	T16
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Operating and Electrical

Order Code	Full Product Name	Lamp Current		Power (Rated)
		(Nom)	Voltage (Nom)	(Nom)
63872427	TUV 4W FAM/10X25BOX	0.17 A	29 V	4 W
62364527	TUV 6W FAM/10X25BOX	0.16 A	42 V	6 W
62368327	TUV 8W FAM/10X25BOX	0.15 A	56 V	8 W
63869427	TUV 16W FAM/ 10X25BOX	0.4 A	43 V	15 W

Order Code	Full Product Name	Lamp Current		Power (Rated)
		(Nom)	Voltage (Nom)	(Nom)
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	Useful Life (Nom)
63872427	TUV 4W FAM/10X25BOX	6000 h
62364527	TUV 6W FAM/10X25BOX	9000 h
62368327	TUV 8W FAM/10X25BOX	11000 h

Order Code	Full Product Name	Useful Life (Nom)
63869427	TUV 16W FAM/10X25BOX	11000 h
55965427	TUV 11W FAM/10X25BOX	11000 h
81385200	TUV 20W FAM/10X25CC	11000 h

Light Technical

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
63872427	TUV 4W FAM/10X25BOX	20 %
62364527	TUV 6W FAM/10X25BOX	20 %
62368327	TUV 8W FAM/10X25BOX	15 %

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
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
63872427	TUV 4W FAM/10X25BOX	0.9 W
62364527	TUV 6W FAM/10X25BOX	1.7 W
62368327	TUV 8W FAM/10X25BOX	2.4 W

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

