



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

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.
- Plants and/or materials that are exposed to UV-C and/or ozone for a long time may become damaged and/or discolored.

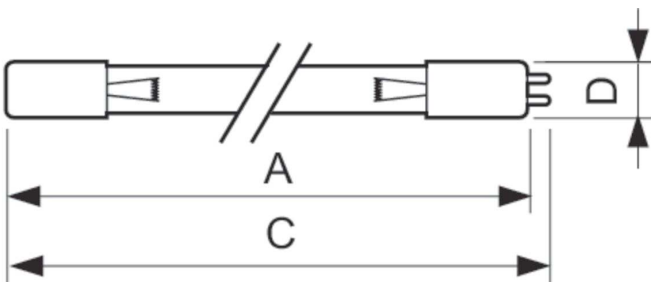
Versions



4 pins single ended

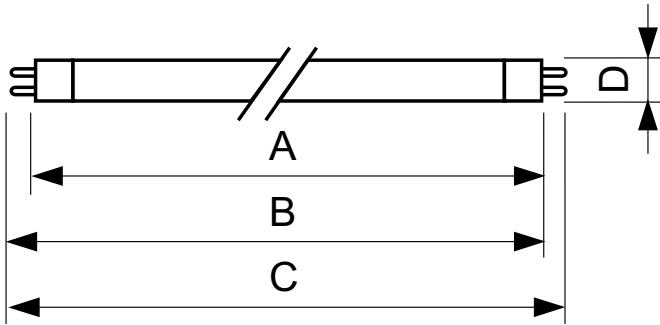
TUV G5

Dimensional drawing



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

Dimensional drawing



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

Approval and Application

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

Main Application	Disinfection
System Description	-

Light Technical

Color Code	TUV
Color Designation	-

Mechanical and Housing

Bulb Shape	T16
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Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
927971204099	TUV 11W 4P SE UNP/32	0.330 A	34 V	11 W
927971404099	TUV 16W 4P SE UNP/32	0.4 A	43 V	15 W
927972204099	TUV 25W - 4P SE UNP/32	0.35 A	82 V	23 W
928000104013	TUV 4W FAM/10X25BOX	0.17 A	29 V	4 W
928000704013	TUV 6W FAM/10X25BOX	0.16 A	42 V	6 W

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
928001104013	TUV 8W FAM/10X25BOX	0.15 A	56 V	8 W
928002004013	TUV 16W FAM/10X25BOX	0.4 A	43 V	15 W
928002204013	TUV 11W FAM/10X25BOX	0.4 A	34 V	11.5 W
928003404013	TUV 20W FAM/10X25CC	0.450 A	45 V	20 W

General Information

Order Code	Full Product Name	Cap-Base	Useful Life (Nom)
927971204099	TUV 11W 4P SE UNP/32	4PINSSINGLEENDED	9000 h
927971404099	TUV 16W 4P SE UNP/32	4PINSSINGLEENDED	9000 h
927972204099	TUV 25W - 4P SE UNP/32	4PINSSINGLEENDED	9000 h
928000104013	TUV 4W FAM/10X25BOX	G5	6000 h
928000704013	TUV 6W FAM/10X25BOX	G5	9000 h

Order Code	Full Product Name	Cap-Base	Useful Life (Nom)
928001104013	TUV 8W FAM/10X25BOX	G5	11000 h
928002004013	TUV 16W FAM/10X25BOX	G5	11000 h
928002204013	TUV 11W FAM/10X25BOX	G5	11000 h
928003404013	TUV 20W FAM/10X25CC	G5	11000 h

Light Technical

TUV TL Mini

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
927971204099	TUV 11W 4P SE UNP/32	15 %
927971404099	TUV 16W 4P SE UNP/32	15 %
927972204099	TUV 25W - 4P SE UNP/32	20 %
928000104013	TUV 4W FAM/10X25BOX	20 %
928000704013	TUV 6W FAM/10X25BOX	20 %

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
928001104013	TUV 8W FAM/10X25BOX	15 %
928002004013	TUV 16W FAM/10X25BOX	15 %
928002204013	TUV 11W FAM/10X25BOX	15 %
928003404013	TUV 20W FAM/10X25CC	15 %

UV

Order Code	Full Product Name	UV-C Radiation
927971204099	TUV 11W 4P SE UNP/32	2.6 W
927971404099	TUV 16W 4P SE UNP/32	4.0 W
927972204099	TUV 25W - 4P SE UNP/32	8.0 W
928000104013	TUV 4W FAM/10X25BOX	0.9 W
928000704013	TUV 6W FAM/10X25BOX	1.7 W

Order Code	Full Product Name	UV-C Radiation
928001104013	TUV 8W FAM/10X25BOX	2.4 W
928002004013	TUV 16W FAM/10X25BOX	4.0 W
928002204013	TUV 11W FAM/10X25BOX	2.6 W
928003404013	TUV 20W FAM/10X25CC	6.0 W

