



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.
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: www.lamprecycle.org or 1-800-555-0050

Versions



4 pins single ended

TUV G5

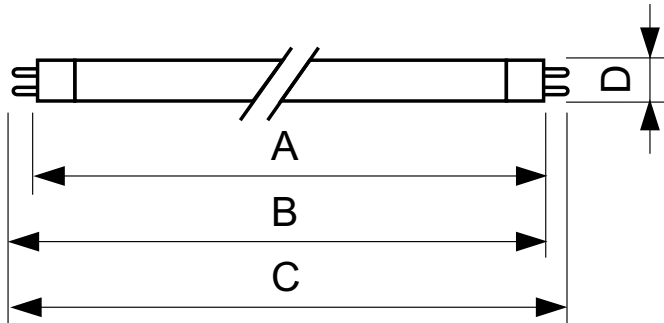
Dimensional drawing



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

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Dimensional drawing



Product	D (max)	B (max)	B (min)	C (max)	A (max)
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

Approval and Application	
Mercury (Hg) Content (Nom)	4.4 mg
General Information	
Main Application	Disinfection
System Description	na
Light Technical	
Color Code	TUV
Color Designation	-
Mechanical and Housing	
Bulb Shape	T5

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
385427	TUV 11W 4P-SE	0.330 A	34 V	11 W
385419	TUV 16W 4P-SE	0.4 A	43 V	15 W
133413	TUV 25W 4P-SE	0.35 A	82 V	23 W
363713	TUV4T5 4W 25PK	0.17 A	29 V	4 W

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
244855	TUV 6T5 6W 250 PK	0.16 A	42 V	6 W
299305	TUV 8T5 GERMICIDAL 25PK	0.15 A	56 V	8 W
112508	TUV 16W/T5 10 x 25 BOX	0.4 A	43 V	15 W

General Information

Order Code	Full Product Name	Cap-Base	Useful Life (Nom)
385427	TUV 11W 4P-SE	4PINSSINGLEENDED	9000 h
385419	TUV 16W 4P-SE	4PINSSINGLEENDED	9000 h
133413	TUV 25W 4P-SE	4PINSSINGLEENDED	9000 h
363713	TUV4T5 4W 25PK	G5	6000 h

Order Code	Full Product Name	Cap-Base	Useful Life (Nom)
244855	TUV 6T5 6W 250 PK	G5	9000 h
299305	TUV 8T5 GERMICIDAL 25PK	G5	11000 h
112508	TUV 16W/T5 10 x 25 BOX	G5	11000 h

Light Technical

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
385427	TUV 11W 4P-SE	15 %
385419	TUV 16W 4P-SE	15 %
133413	TUV 25W 4P-SE	20 %
363713	TUV4T5 4W 25PK	20 %

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
244855	TUV 6T5 6W 250 PK	20 %
299305	TUV 8T5 GERMICIDAL 25PK	15 %
112508	TUV 16W/T5 10 x 25 BOX	15 %

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UV

Order Code	Full Product Name	UV-C Radiation
385427	TUV 11W 4P-SE	2.6 W
385419	TUV 16W 4P-SE	4.0 W
133413	TUV 25W 4P-SE	8.0 W
363713	TUV4T5 4W 25PK	0.9 W

Order Code	Full Product Name	UV-C Radiation
244855	TUV 6T5 6W 250 PK	1.7 W
299305	TUV 8T5 GERMICIDAL 25PK	2.4 W
112508	TUV 16W/T5 10 x 25 BOX	4.0 W

