



# 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

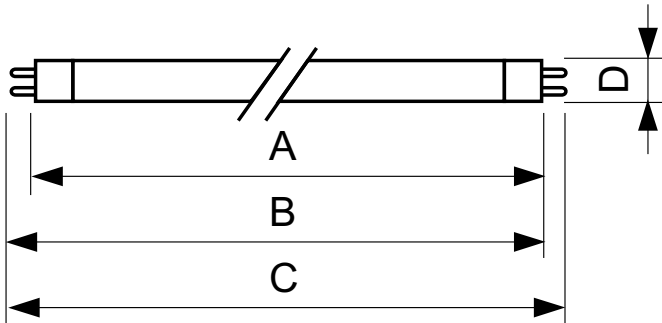
## Versions



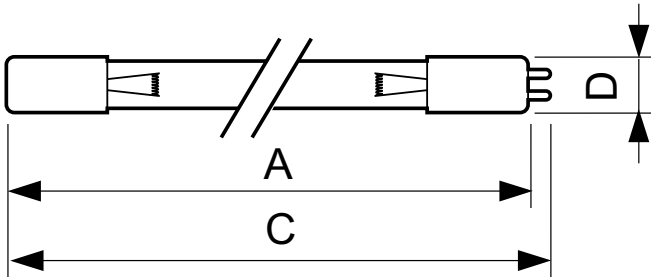
4 pins single ended

TUV G5

## 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
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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

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

Order Code	Full Product Name	UV-C Radiation
928000704013	TUV 6W FAM/10X25BOX	1.7 W
928001104013	TUV 8W FAM/10X25BOX	2.4 W
928002004013	TUV 16W FAM/10X25BOX	4.0 W
928002204013	TUV 11W FAM/10X25BOX	2.6 W

## TUV TL Mini

Order Code	Full Product Name	UV-C Radiation
928003404013	TUV 20W FAM/10X25CC	6.0 W

