



# Product Description

## 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 constant UV output over their complete lifetime, for maximum security of disinfection and high system efficacy.

### Benefits

- Security of effective disinfection over the complete lifetime of the lamp
- High system efficacy because it is not required to over-design the purification system to maintain effectiveness of disinfection

### Features

- Short-wave UV radiation with a peak at 253.7 nm (UVC) for disinfection purposes
- Protective inside coating ensures constant UV output over the complete lifetime of the lamp
- Lamp glass filters out the 185 nm ozone-forming line
- 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

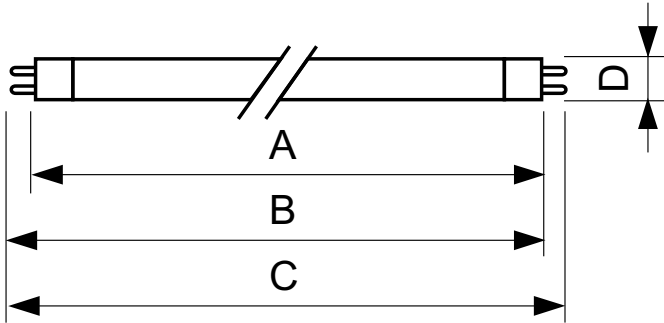
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.
- DANGER: 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.

# TUV TL Mini

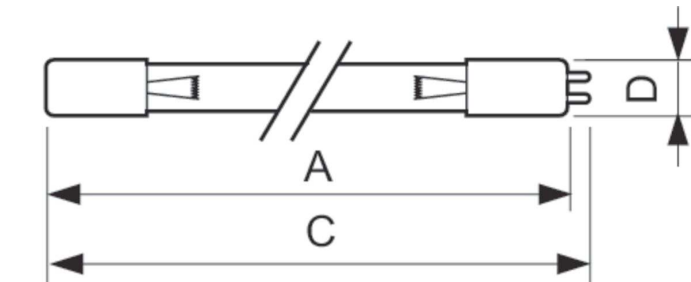
## Versions



## Dimensional drawing



Product	D	C			
TUV 11W FAM/10X25BOX	16 mm	226.3 mm			
TUV 6W FAM/10X25BOX	16 mm	226.3 mm			
TUV 4W FAM/10X25BOX	16 mm	150.1 mm			
TUV 8W FAM/10X25BOX	16 mm	302.5 mm			
TUV 16W FAM/10X25BOX	16 mm	302.5 mm			
TUV 20W FAM/10X25CC	16 mm	405.1 mm	402.7 mm	412.2 mm	398 mm



Product	D (max)	C (max)	A (max)
TUV 20W 4P SE UNP/32	19.3 mm	437.7 mm	430 mm
TUV 25W - 4P SE UNP/32	19.3 mm	556.6 mm	548.9 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

### Light Technical

Colour Code TUV

Colour Designation -

## Operating and Electrical

## TUV TL Mini

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Nom)
927971204099	TUV 11W 4P SE UNP/32	0.4 A	34 V	11.5 W
927972204099	TUV 25W - 4P SE UNP/32	0.35 A	82 V	23 W
927973404099	TUV 20W 4P SE UNP/32	0.45 A	45 V	20.24 W

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Nom)
928000104013	TUV 4W FAM/10X25BOX	0.17 A	29 V	4.5 W
928001104013	TUV 8W FAM/10X25BOX	0.145 A	56 V	7.1 W
928002004013	TUV 16W FAM/10X25BOX	0.4 A	43 V	15 W
928003404013	TUV 20W FAM/10X25CC	0.450 A	45 V	20.25 W

### General Information

Order Code	Full Product Name	Cap-Base	Useful Life (Nom)	System Description
927971204099	TUV 11W 4P SE UNP/32	4PINSSINGLEENDED	9000 h	na
927972204099	TUV 25W - 4P SE UNP/32	4PINSSINGLEENDED	9000 h	na
927973404099	TUV 20W 4P SE UNP/32	4PINSSINGLEENDED	11000 h	High Output (HO)
928000104013	TUV 4W FAM/10X25BOX	G5	6000 h	na

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

### Light Technical

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
927971204099	TUV 11W 4P SE UNP/32	15 %
927972204099	TUV 25W - 4P SE UNP/32	0.15 %
927973404099	TUV 20W 4P SE UNP/32	15 %
928000104013	TUV 4W FAM/10X25BOX	0.25 %

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
928001104013	TUV 8W FAM/10X25BOX	15 %
928002004013	TUV 16W FAM/10X25BOX	15 %
928003404013	TUV 20W FAM/10X25CC	0.2 %

### Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
927971204099	TUV 11W 4P SE UNP/32	T16
927972204099	TUV 25W - 4P SE UNP/32	T16
927973404099	TUV 20W 4P SE UNP/32	-
928000104013	TUV 4W FAM/10X25BOX	T16

Order Code	Full Product Name	Bulb Shape
928001104013	TUV 8W FAM/10X25BOX	T16
928002004013	TUV 16W FAM/10X25BOX	T16
928003404013	TUV 20W FAM/10X25CC	T16

### UV

Order Code	Full Product Name	UV-C Radiation
927971204099	TUV 11W 4P SE UNP/32	2.6 W
927972204099	TUV 25W - 4P SE UNP/32	8.0 W
927973404099	TUV 20W 4P SE UNP/32	6.0 W
928000104013	TUV 4W FAM/10X25BOX	0.9 W

Order Code	Full Product Name	UV-C Radiation
928001104013	TUV 8W FAM/10X25BOX	2.4 W
928002004013	TUV 16W FAM/10X25BOX	4.2 W
928003404013	TUV 20W FAM/10X25CC	6.0 W

