

**PHILIPS**

Lighting



# TUV T8 - Guaranteed lifetime simplifying planned maintenance in professional applications

## TUV T8

TUV T8 lamps are double-ended UVC (germicidal) lamps used in professional water and air disinfection units. TUV T8 lamps offer almost constant UV output over their complete lifetime, for maximum security of disinfection and high system efficacy. Moreover, they have a long and reliable lifetime, which allows maintenance to be planned for in advance.

### Benefits

- Security of effective disinfection over the useful lifetime of the lamp
- Maintenance can be planned in advance, virtually eliminating the need for expensive spot replacement of prematurely failed lamps
- 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 constant UV output over the complete lifetime of the lamp
- Long lifetime of 18.000 hours (based on operation on a Philips electronic driver)
- High reliability with the lowest percentage of lamps that fail prematurely in the market (90% of all lamps still operate on full output and quality after 15,000 hrs if operated on a Philips electronic driver)
- Special lamp glass filters out the 185 nm ozone-forming radiation
- High Output versions available for optimum UVC output per lamp length, allowing for reduction of system size
- Warning sign on lamp indicates that the lamp radiates UVC

## Application

- Air disinfection systems in professional applications such as universities, hospitals, jails and laboratories
- Upper air and whole room disinfection equipment in hospitals, intensive care units and surgery rooms
- Areas with low maintenance and/or disruptive costs
- Fish ponds and process water units

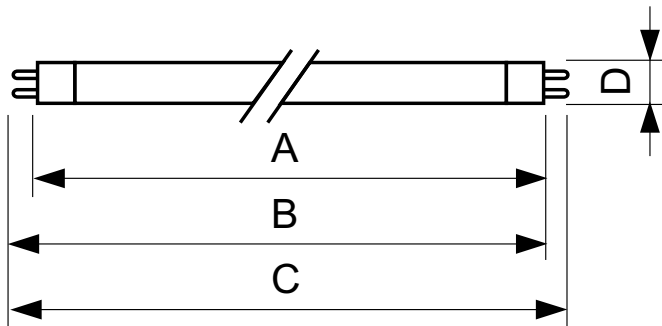
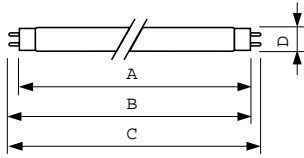
## Warnings and Safety

- 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



General Information	
Cap-Base	G13
Main Application	Disinfection
Light Technical	
Color Code	TUV
Color Designation	-

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Nom)
927801304011	TUV 10W T5 with T5-T8 adapters	4.4 mg
927941904020	TUV T8 F17 1SL/25	2.0 mg
928039004005	TUV 15W SLV/25	2.0 mg
928039404005	TUV 25W 1SL/25	2.0 mg
928039504005	TUV 30W 1SL/25	2.0 mg

Product	D (max)	A (max)	B (max)	B (min)	C (max)
TUV T8 F17 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm
TUV 15W SLV/25	28 mm	437.4 mm	444.5 mm	442.1 mm	451.6 mm
TUV 25W 1SL/25	28 mm	437.4 mm	444.5 mm	442.1 mm	451.6 mm
TUV 30W 1SL/25	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
TUV 36W SLV/6	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
TUV 75W HO 1SL/6	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
TUV 55W HO 1SL/6	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
TUV TL-D 95W HO SLV/25	28 mm	1500 mm	1507.1 mm	1504.7 mm	1514.2 mm

Product	D (max)	B (max)	B (min)	C (max)	A (max)
TUV 10W T5 with T5-T8 adapters	16 mm	338.6 mm	336.2 mm	345.7 mm	331.5 mm

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
927801304011	TUV 10W T5 with T5-T8 adapters	0.22 A	48.5 V	9 W
927941904020	TUV T8 F17 1SL/25	0.265 A	72 V	16.7 W
928039004005	TUV 15W SLV/25	0.34 A	54 V	15.9 W
928039404005	TUV 25W 1SL/25	0.6 A	48 V	25.5 W

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
928039504005	TUV 30W 1SL/25	0.37 A	102 V	30 W
928048604003	TUV 36W SLV/6	0.44 A	103 V	36 W
928049404003	TUV 75W HO 1SL/6	0.84 A	110 V	75 W
928049504003	TUV 55W HO 1SL/6	0.77 A	86 V	54 W

# TUV T8

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
928049804006	TUV TL-D 95W HO SLV/25	0.620 A	124 V	95 W

## General Information

Order Code	Full Product Name	Useful Life (Nom)	System Description
927801304011	TUV 10W T5 with T5-T8 adapters	9000 h	-
927941904020	TUV T8 F17 1SL/25	9000 h	-
928039004005	TUV 15W SLV/25	9000 h	-
928039404005	TUV 25W 1SL/25	9000 h	-

Order Code	Full Product Name	Useful Life (Nom)	System Description
928039504005	TUV 30W 1SL/25	9000 h	-
928048604003	TUV 36W SLV/6	9000 h	-
928049404003	TUV 75W HO 1SL/6	9000 h	High Output
928049504003	TUV 55W HO 1SL/6	9000 h	High Output
928049804006	TUV TL-D 95W HO SLV/25	8000 h	High Output

## Light Technical

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
927801304011	TUV 10W T5 with T5-T8 adapters	85 %
927941904020	TUV T8 F17 1SL/25	15 %
928039004005	TUV 15W SLV/25	10 %
928039404005	TUV 25W 1SL/25	15 %
928039504005	TUV 30W 1SL/25	10 %

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
928048604003	TUV 36W SLV/6	10 %
928049404003	TUV 75W HO 1SL/6	10 %
928049504003	TUV 55W HO 1SL/6	10 %
928049804006	TUV TL-D 95W HO SLV/25	10 %

## Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
927801304011	TUV 10W T5 with T5-T8 adapters	T5
927941904020	TUV T8 F17 1SL/25	T8
928039004005	TUV 15W SLV/25	T26
928039404005	TUV 25W 1SL/25	T26
928039504005	TUV 30W 1SL/25	T26

Order Code	Full Product Name	Bulb Shape
928048604003	TUV 36W SLV/6	T26
928049404003	TUV 75W HO 1SL/6	T26
928049504003	TUV 55W HO 1SL/6	T26
928049804006	TUV TL-D 95W HO SLV/25	T26

## UV

Order Code	Full Product Name	UV-C Radiation
927801304011	TUV 10W T5 with T5-T8 adapters	2.8 W
927941904020	TUV T8 F17 1SL/25	4.5 W
928039004005	TUV 15W SLV/25	4.9 W
928039404005	TUV 25W 1SL/25	7 W
928039504005	TUV 30W 1SL/25	12.0 W

Order Code	Full Product Name	UV-C Radiation
928048604003	TUV 36W SLV/6	15.0 W
928049404003	TUV 75W HO 1SL/6	25.5 W
928049504003	TUV 55W HO 1SL/6	17.5 W
928049804006	TUV TL-D 95W HO SLV/25	22.5 W

