



# TUV Amalgam XPT- Maximum efficiency, independent of temperature

## TUV Amalgam XPT systems

Philips TUV Amalgam XPT system consists of an electronic driver that operates one TUV Amalgam XPT lamp, mounted in a sleeve. The electrical specifications are tailored to the lamp, ensuring an optimized performance of the Philips TUV Amalgam XPT system. Thanks to extensive testing before a lamp system is released, we can ensure maximum reliability and long lifetime. Signify offers the XPT system solution for the TUV 130W XPT, TUV 180W XPT, TUV 200W XPT and TUV 325W XPT lamps. For the other lamp types we support in advising the correct drivers available in the market.

### Benefits

- Security of effective disinfection over the useful lifetime of the lamp
- Extreme reliability of driver; with annual failure rate of less than 1%
- Approximately 10% energy savings, because lamps can be dimmed to reach the same UV output compared to similar lamps on the market
- High system efficacy because it is not required to over-design the purification system to maintain effectiveness of disinfection
- Best environmental choice because of long reliable life, less waste and industry leading low amount of mercury
- High efficiency during dimming thanks to unique amalgam temperature control of the 800W lamps

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## Features

- Short-wave UV radiation with a peak at 253.7 nm (UVC) for disinfection
- Special amalgam used for highest efficiency over wide temperature range
- Protective inside coating ensures constant UV output over the complete lifetime of the lamp
- Philips electronic driver available for a perfect interface
- Minimized amount of mercury
- Universal burning position possible for the T6 range, depending on lamp type and sleeve dimensions
- Tailor-made solutions possible
- Lamp can be made from special quartz (open/synthetic) to maximize 185 nm Ozone generation

## Application

- Deactivation of bacteria, viruses and other micro-organisms
- Municipal drinking water treatment equipment
- Process water treatment equipment
- Swimming pool units
- Equipment for the production of ultra-pure water, for example for the semiconductor, pharmaceuticals and cosmetics industry (ozone version)

## 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



T6



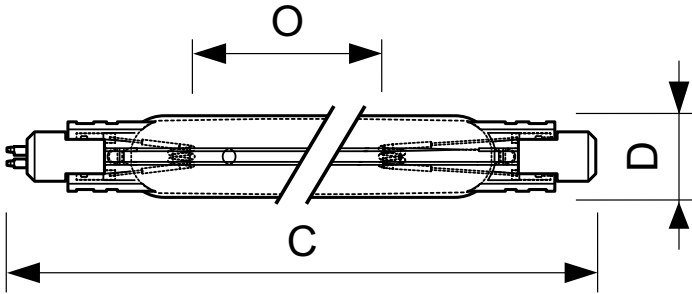
T10



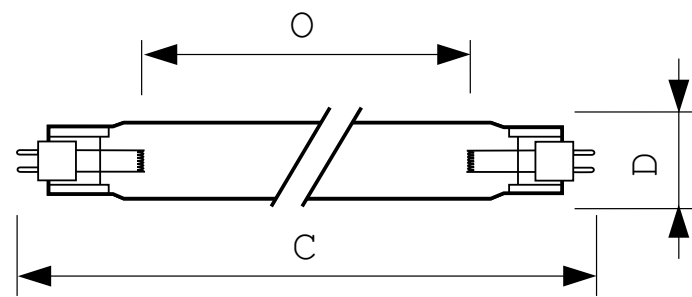
T12

# TUV Amalgam XPT systems

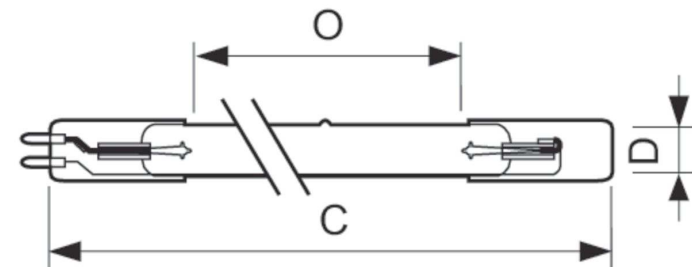
## Dimensional drawing



Product	D	O	C (max)
TUV 800W XHO SE	38 mm	1609 mm	1791 mm



Product	D	O	C (max)
TUV 330W XPT DE UNP	32 mm	1440 mm	1554 mm



Product	D	O	C (max)
TUV 200W XPT SE UNP/20	19 mm	1040 mm	1147 mm
TUV 180W XPT SE UNP/20	19 mm	930 mm	1032 mm
TUV 130W XPT SE UNP/20	19 mm	740 mm	842 mm
TUV 325W XPT HO SE UNP/20	19 mm	1480 mm	1582 mm

### Controls and Dimming

Dimmable Yes

### General Information

Main Application Disinfection

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
928101805112	TUV 130W XPT SE UNP/20	2.1 A	130 W
928106805112	TUV 180W XPT SE UNP/20	2.1 A	180 W
928106905112	TUV 200W XPT SE UNP/20	2.1 A	200 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
928107005112	TUV 325W XPT HO SE UNP/20	2.1 A	325 W
928107205112	TUV 330W XPT DE UNP	-	330 W
928107605112	TUV 800W XHO SE	8 A	800 W

## General Information

## TUV Amalgam XPT systems

Order Code	Full Product Name	Cap-Base	Operating Position
928101805112	TUV 130W XPT SE UNP/20	G10.2Q	P10
928106805112	TUV 180W XPT SE UNP/20	G10.2Q	UNIVERSAL
928106905112	TUV 200W XPT SE UNP/20	G10.2Q	UNIVERSAL

Order Code	Full Product Name	Cap-Base	Operating Position
928107005112	TUV 325W XPT HO SE UNP/20	G10.2Q	UNIVERSAL
928107205112	TUV 330W XPT DE UNP	-	P10
928107605112	TUV 800W XHO SE	GX10.2Q	UNIVERSAL

### Light Technical

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
928101805112	TUV 130W XPT SE UNP/20	15 %
928106805112	TUV 180W XPT SE UNP/20	15 %
928106905112	TUV 200W XPT SE UNP/20	15 %

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
928107005112	TUV 325W XPT HO SE UNP/20	15 %
928107205112	TUV 330W XPT DE UNP	10 %
928107605112	TUV 800W XHO SE	1000 %

