



# Product Description

## TUV Amalgam XPT systems

TUV Amalgam XPT lamps are long-arc UVC (germicidal) lamps used in professional water disinfection equipment. They combine high efficiency with relatively high power density. Thanks to their constant UVC output over the complete lifetime, these lamps can be dimmed to reach the same UVC output compared with similar lamps on the market, allowing for approximately 10% energy savings. The special amalgam used allows for flexibility in system design and application temperature.

### Benefits

- Security of effective disinfection over the useful lifetime of the lamp
- Security of effective disinfection over the complete 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
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- High system efficacy because it is not required to over-design the purification system to maintain effectiveness of disinfection
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- 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
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- Special amalgam used for highest efficiency over wide temperature range
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- Protective inside coating ensures constant UV output over the complete lifetime of the lamp
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- Philips electronic driver available for a perfect interface
- Philips electronic driver available for a perfect interface
- Minimized amount of mercury
- Minimized amount of mercury
- Universal burning position possible for the T6 range, depending on lamp type and sleeve dimensions
- Universal burning position possible, depending on lamp type
- Tailor-made solutions possible
- 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
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- Municipal drinking water treatment equipment
- Municipal drinking water treatment equipment
- Process water treatment equipment
- Waste water treatment equipment
- Swimming pool units
- Process water treatment equipment
- Equipment for the production of ultra-pure water, for example for the semiconductor, pharmaceuticals and cosmetics industry (ozone version)
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### 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.
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- 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.
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## Versions

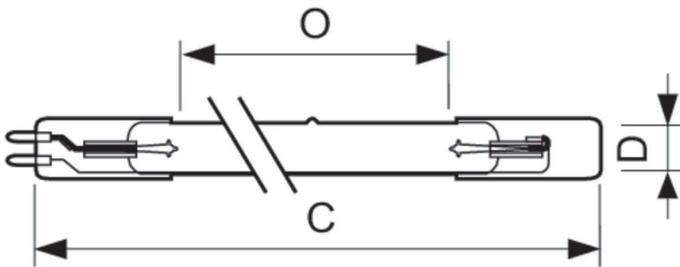


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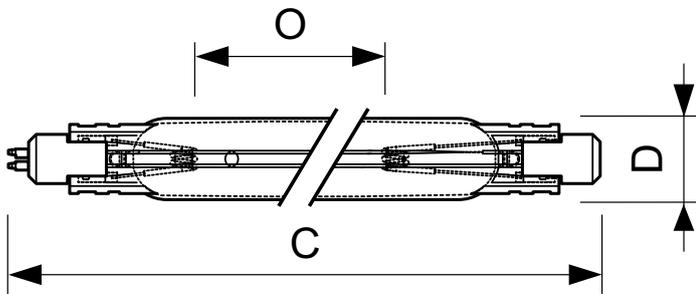


XPPR\_XDTUVXPT\_0001-Product photo

## Dimensional drawing



Product	D	O	C (max)
TUV 180W XPT SE UNP/20	19 mm	930 mm	1,032 mm



Product	D	O	C (max)
TUV 800W XHO SE	38 mm	1,609 mm	1,791 mm

General Information	
Operating Position	UNIVERSAL
Controls and Dimming	
Dimmable	Yes

## General Information

Order Code	Full Product Name	Cap-Base
928106805112	TUV 180W XPT SE UNP/20	G10.2q

Order Code	Full Product Name	Cap-Base
928107605112	TUV 800W XHO SE	GX10.2q

## Operating and Electrical

## TUV Amalgam XPT systems

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
928106805112	TUV 180W XPT SE UNP/20	2.1 A	180 W

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
928107605112	TUV 800W XHO SE	8 A	800 W

