PHILIPS

Lighting

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.

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

TUV Amalgam XPT systems

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.
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: www.lamprecycle.org or 1-800-555-0050

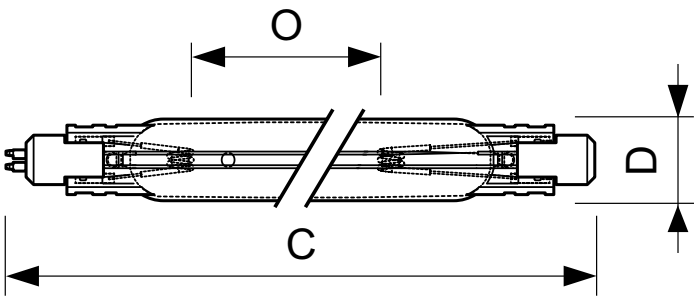
Versions

T6

T12

TUV Amalgam XPT systems

Dimensional drawing



Product	D	O	C (max)
TUV 340W XPT HO SE UNP/20	19 mm	1480 mm	1582 mm
TUV 130W XPT SE UNP/20	19 mm	740 mm	842 mm
TUV 200W XPT SE UNP/20	19 mm	1040 mm	1147 mm
TUV 180W XPT SE UNP/20	19 mm	930 mm	1032 mm

Product
TUV 800W XHO SE

Controls and Dimming

Dimmable	Yes

General Information

Main Application	Disinfection

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
242628	TUV 130W XPT	2.1 A	130 W
242610	TUV 180W XPT	2.1 A	180 W
242602	TUV 200W XPT	2.1 A	200 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
242586	TUV 325W XPT HO	2.1 A	325 W
287961	TUV 800W XHO SE	8 A	800 W

General Information

Order Code	Full Product Name	Cap-Base	Operating Position
242628	TUV 130W XPT	G10.2Q	P10
242610	TUV 180W XPT	G10.2Q	Universal
242602	TUV 200W XPT	G10.2Q	Universal

Order Code	Full Product Name	Cap-Base	Operating Position
242586	TUV 325W XPT HO	G10.2Q	Universal
287961	TUV 800W XHO SE	GX10.2Q	Universal

Light Technical

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
242628	TUV 130W XPT	15 %
242610	TUV 180W XPT	15 %
242602	TUV 200W XPT	15 %

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
242586	TUV 325W XPT HO	15 %
287961	TUV 800W XHO SE	1000 %

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www.lighting.philips.com
2020, March 30 - data subject to change