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

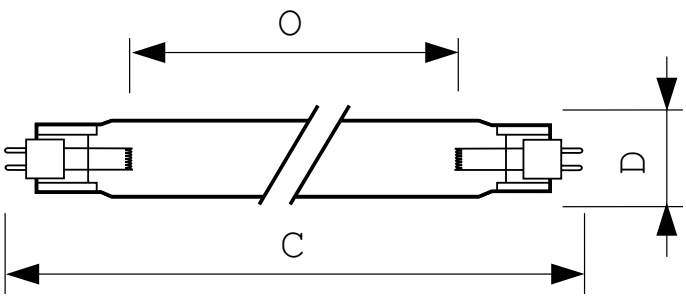
- Short-wave UV radiation with a peak at 253.7 nm (UVC) for disinfection
- Special amalgam used for highest efficiency over wide temperature range
- Protective inside coating ensures constant UV output over the complete lifetime of the lamp
- Philips electronic driver available for a perfect interface
- 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)

Versions

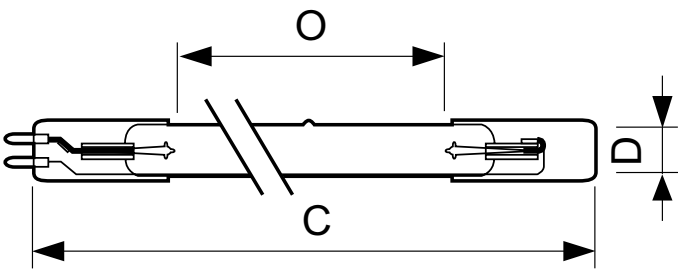
Dimensional drawing



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

TUV Amalgam XPT systems

Dimensional drawing



Product	D	O	C (max)
TUV 325W XPT HO SE UNP/20	19 mm	1480 mm	1582 mm
TUV 200W XPT SE UNP/20	19 mm	1040 mm	1147 mm
TUV 130W XPT SE UNP/20	19 mm	740 mm	842 mm
TUV 180W XPT SE UNP/20	19 mm	930 mm	1032 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)
20943605	TUV 130W XPT SE UNP/20	2.1 A	130 W
80122400	TUV 180W XPT SE UNP/20	2.1 A	180 W
80123100	TUV 200W XPT SE UNP/20	2.1 A	200 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
80446100	TUV 325W HO XPT SE UNP/20	2.1 A	325 W
81112400	TUV 330W XPT DE UNP	-	330 W

General Information

Order Code	Full Product Name	Cap-Base	Operating Position
20943605	TUV 130W XPT SE UNP/20	G10.2Q	P10
80122400	TUV 180W XPT SE UNP/20	G10.2Q	UNIVERSAL
80123100	TUV 200W XPT SE UNP/20	G10.2Q	UNIVERSAL

Order Code	Full Product Name	Cap-Base	Operating Position
80446100	TUV 325W HO XPT SE UNP/20	G10.2Q	UNIVERSAL
81112400	TUV 330W XPT DE UNP	-	P10

Light Technical

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
20943605	TUV 130W XPT SE UNP/20	15 %
80122400	TUV 180W XPT SE UNP/20	15 %
80123100	TUV 200W XPT SE UNP/20	15 %

Order Code	Full Product Name	Lumen Depreciation At Useful Lifetime
80446100	TUV 325W HO XPT SE UNP/20	15 %
81112400	TUV 330W XPT DE UNP	10 %

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www.lighting.philips.com
2018, February 16 - data subject to change