Product Description

TUV T5

TUV T5 lamps are single- or double-ended UVC (germicidal) lamps used in professional water and air disinfection units. The small 16 mm diameter of the lamp allows for a small system design and design flexibility. TUV T5 lamps offer constant UV output over their complete lifetime, for maximum security of disinfection and high system efficacy.

Benefits

- Security of effective disinfection over the complete lifetime of the lamp
- High system efficacy because it is not required to over-design the purification system to maintain effectiveness of disinfection

Features

- Short-wave UV radiation with a peak at 253.7 nm (UVC) for disinfection
- Small diameter
- Protective inside coating ensures constant UV output over the complete lifetime of the lamp
- Lamp glass filters out the 185 nm ozone-forming line
- High temperature and UV-resistant lamp bases
- High Output versions available for optimum UVC output per lamp length, allowing for further reduction of system size
- Warning sign on lamp indicates that the lamp radiates UVC

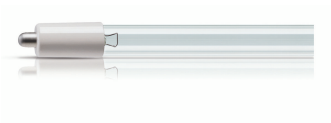
Application

- Deactivation of bacteria, viruses and other micro-organisms
- Air treatment systems
- Industrial water disinfection equipment, e.g. for food & beverage industry
- Small municipal water treatment systems
- Swimming pool units
- Residential drinking water units

Warnings and Safety

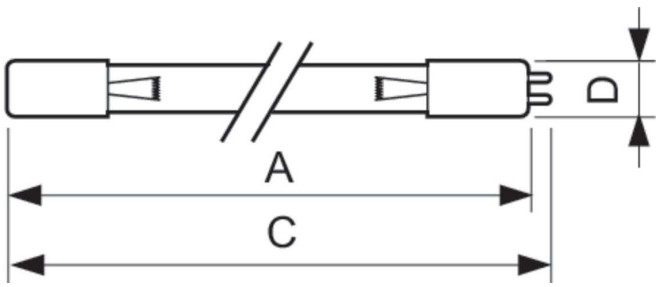
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.
- DANGER: 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

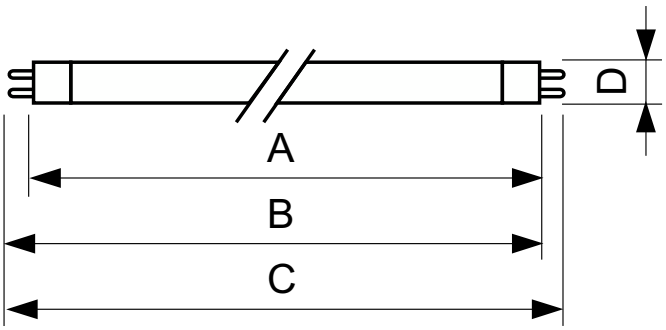


XPPR XUTUV 0004

Dimensional drawing



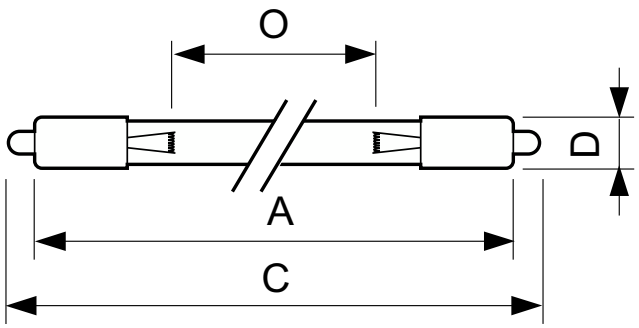
Product	D	C	
TUV 24T5 HE 4P SE	19.5 mm	700.7 mm	
TUV 24T5 HO 4P SE	19.5 mm	700.7 mm	
TUV 36T5 HE 4P SE UNP/32	19.3 mm	853 mm	845.4 mm
TUV 48T5 HE 4P SE	19.5 mm	1,156.7 mm	
TUV 48T5 HO 4P SE	19.5 mm	1,156.7 mm	
TUV 64T5 HO 4P SE UNP/32	19.3 mm	1,564.5 mm	1,555.2 mm



Product	D	C
TUV 24T5 HE G5	16.0 mm	675.2 mm
TUV 24T5 HO G5	16.0 mm	675.2 mm
TUV 36T5 HE G5 UNP 40	16 mm	827.6 mm
TUV 36T5 HO G5 UNP 40	16 mm	827.6 mm
TUV 48T5 HE G5	16.0 mm	1,131.2 mm
TUV 48T5 HO G5	16.0 mm	1,131.2 mm
TUV 64T5 HE G5 UNP 40	16 mm	1,538.8 mm
TUV 64T5 HO G5 UNP 40	16 mm	1,538.8 mm

TUV T5

Dimensional drawing



Product	D (max)	O	C (max)	A (max)
TUV 64T5 HE SP UNP/32	18.6 mm	1,473 mm	1,575.1 mm	1,556.6 mm

Light Technical	
Color Designation	-

Mechanical and Housing	
Bulb Shape	T16

General Information

Order Code	Full Product Name	Cap-Base
927948204099	TUV 24T5 HE 4P SE	-
927948304099	TUV 24T5 HO 4P SE	-
927948604099	TUV 48T5 HE 4P SE	-
927948704099	TUV 48T5 HO 4P SE	-
927970204099	TUV 36T5 HE 4P SE UNP/32	4PINSSINGLEENDED
927971104099	TUV 64T5 HO 4P SE UNP/32	4PINSSINGLEENDED
927928204024	TUV 24T5 HE G5	G5
927928304014	TUV 24T5 HO G5	G5

Order Code	Full Product Name	Cap-Base
927928704024	TUV 48T5 HE G5	G5
927928804014	TUV 48T5 HO G5	G5
928000204024	TUV 36T5 HE G5 UNP 40	G5
928000304014	TUV 64T5 HO G5 UNP 40	G5
928000404024	TUV 64T5 HE G5 UNP 40	G5
928002404014	TUV 36T5 HO G5 UNP 40	G5
927970504099	TUV 64T5 HE SP UNP/32	Single Pin

Light Technical

Order Code	Full Product Name	Color Code
927948204099	TUV 24T5 HE 4P SE	TUV
927948304099	TUV 24T5 HO 4P SE	TUV
927948604099	TUV 48T5 HE 4P SE	TUV
927948704099	TUV 48T5 HO 4P SE	TUV
927970204099	TUV 36T5 HE 4P SE UNP/32	TUV
927971104099	TUV 64T5 HO 4P SE UNP/32	TUV
927928204024	TUV 24T5 HE G5	TUV
927928304014	TUV 24T5 HO G5	TUV

Order Code	Full Product Name	Color Code
927928704024	TUV 48T5 HE G5	TUV
927928804014	TUV 48T5 HO G5	TUV
928000204024	TUV 36T5 HE G5 UNP 40	TUV
928000304014	TUV 64T5 HO G5 UNP 40	TUV
928000404024	TUV 64T5 HE G5 UNP 40	-
928002404014	TUV 36T5 HO G5 UNP 40	TUV
927970504099	TUV 64T5 HE SP UNP/32	TUV

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power Consumption
927948204099	TUV 24T5 HE 4P SE	0.425 A	78 V	33 W
927948304099	TUV 24T5 HO 4P SE	0.8 A	77 V	61 W
927948604099	TUV 48T5 HE 4P SE	0.425 A	138 V	58.4 W

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power Consumption
927948704099	TUV 48T5 HO 4P SE	0.8 A	135 V	107 W
927970204099	TUV 36T5 HE 4P SE UNP/32	0.425 A	97 V	40 W

TUV T5

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power Consumption
927971104099	TUV 64T5 HO 4P SE UNP/32	0.8 A	175 V	140 W
927928204024	TUV 24T5 HE G5	0.425 A	78 V	33 W
927928304014	TUV 24T5 HO G5	0.8 A	77 V	61 W
927928704024	TUV 48T5 HE G5	0.425 A	138 V	58.4 W
927928804014	TUV 48T5 HO G5	0.8 A	135 V	107 W
928000204024	TUV 36T5 HE G5 UNP 40	0.425 A	97 V	40 W

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power Consumption
928000304014	TUV 64T5 HO G5 UNP 40	0.8 A	175 V	145 W
928000404024	TUV 64T5 HE G5 UNP 40	0.425 A	97 V	75 W
928002404014	TUV 36T5 HO G5 UNP 40	0.8 A	184 V	75 W
927970504099	TUV 64T5 HE SP UNP/32	0.425 A	178 V	75 W

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Nom)
927948204099	TUV 24T5 HE 4P SE	3.0 mg
927948304099	TUV 24T5 HO 4P SE	5.5 mg
927948604099	TUV 48T5 HE 4P SE	3.0 mg
927948704099	TUV 48T5 HO 4P SE	5.5 mg
927970204099	TUV 36T5 HE 4P SE UNP/32	3.0 mg
927971104099	TUV 64T5 HO 4P SE UNP/32	5.5 mg
927928204024	TUV 24T5 HE G5	3.0 mg
927928304014	TUV 24T5 HO G5	5.5 mg

Order Code	Full Product Name	Mercury (Hg) Content (Nom)
927928704024	TUV 48T5 HE G5	3.0 mg
927928804014	TUV 48T5 HO G5	5.5 mg
928000204024	TUV 36T5 HE G5 UNP 40	3.0 mg
928000304014	TUV 64T5 HO G5 UNP 40	5.5 mg
928000404024	TUV 64T5 HE G5 UNP 40	3.0 mg
928002404014	TUV 36T5 HO G5 UNP 40	5.5 mg
927970504099	TUV 64T5 HE SP UNP/32	3.0 mg

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