



TUV T5 - Small diameter lamps for professional applications

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 useful lifetime of the lamp
- High system efficacy because it is not required to over-design the purification system to maintain effectiveness of disinfection
- Good environmental choice because of lowest amount of mercury

Features

- Short-wave UV radiation with a peak at 253.7 nm (UVC) for disinfection
- Small diameter
- Protective inside coating ensures almost constant UV output over the complete lifetime of the lamp
- Lamp glass filters out the 185 nm ozone-forming radiation
- 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

Related products

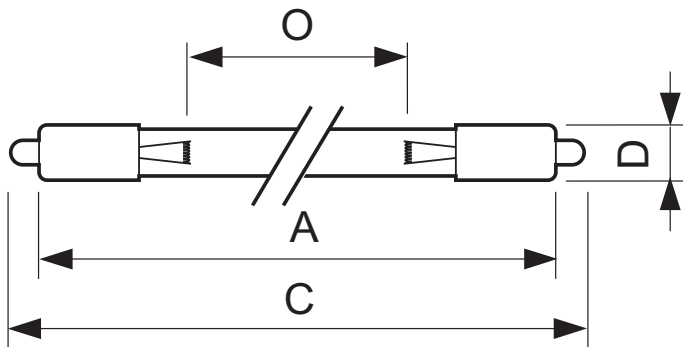


4 pins single ended



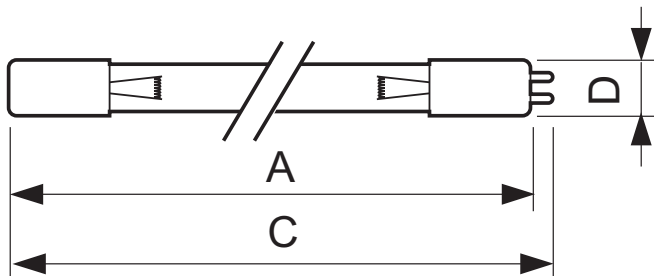
single pin

Dimensional drawing



TUV 36T5 SP UNP

Product	A (Min)	A (Norm)	A (Max)	B (Min)	B (Norm)	B (Max)	C (Min)	C (Norm)	C (Max)	D (Max)	O (Norm)
TUV 36T5 HE SP	-	-	845.4	-	-	-	-	-	863.9	18.6	762
TUV 64T5 HE SP	-	-	1556.6	-	-	-	-	-	1575.1	18.6	1473



TUV 36T5 HE 4P SE UNP

Product	A (Min)	A (Norm)	A (Max)	B (Min)	B (Norm)	B (Max)	C (Min)	C (Norm)	C (Max)	D (Max)	O (Norm)
TUV 36T5 HE 4P SE	-	-	845.4	-	-	-	-	-	853	19.3	-
TUV 64T5 HE 4P SE	-	-	1556.6	-	-	-	-	-	1564.5	19.3	-
TUV 64T5 HE 4P SE	-	-	1556.6	-	-	-	-	-	1564.5	19.3	-

Dimensional drawing

TUV 64T5 HO 4P SE	-	-	1555.2	-	-	-	-	-	1564.5	19.3	-
TUV 36T5 HO 4P SE	-	-	845.4	-	-	-	-	-	853	19.3	-
TUV 20W 4P SE	-	-	430	-	-	-	-	-	437.7	19.3	-

General Characteristics

Order code	Full product name	System Description	Cap-Base	Bulb	Main Application	Useful Life
927970204099	TUV 36T5 HE 4P SE UNP	High Efficiency	4 Pins Single Ended	T16	Disinfection	9000 hr
927970704099	TUV 64T5 HE 4P SE UNP	High Efficiency	4 Pins Single Ended	T16	Disinfection	9000 hr
927970804099	TUV 64T5 HE 4P SE UNP	High Efficiency	4 Pins Single Ended	T16	Disinfection	9000 hr
927971104099	TUV 64T5 HO 4P SE UNP	High Output	4 Pins Single Ended	T16	Disinfection	9000 hr

Order code	Full product name	System Description	Cap-Base	Bulb	Main Application	Useful Life
927972104099	TUV 36T5 HO 4P SE UNP	High Output	4 Pins Single Ended	T16	Disinfection	9000 hr
927973404099	TUV 20W 4P SE UNP	-	4 Pins Single Ended	-	Disinfection	11000 hr
927970004099	TUV 36T5 SP UNP	High Efficiency	Single Pin	T16	Disinfection	9000 hr
927970504099	TUV 64T5 HE SP UNP	High Efficiency	Single Pin	T16	Disinfection	9000 hr

Installation diagrams



Single Pin



4 Pins Single Ended

Light Technical Characteristics

Order code	Full product name	Color Code	Color Designation (text)	Depreciation at useful lifetime
927970204099	TUV 36T5 HE 4P SE UNP	-	-	%
927970704099	TUV 64T5 HE 4P SE UNP	-	-	%
927970804099	TUV 64T5 HE 4P SE UNP	-	-	%
927971104099	TUV 64T5 HO 4P SE UNP	-	-	%

Order code	Full product name	Color Code	Color Designation (text)	Depreciation at useful lifetime
927972104099	TUV 36T5 HO 4P SE UNP	-	-	%
927973404099	TUV 20W 4P SE UNP	-	-	%
927970004099	TUV 36T5 SP UNP	-	-	%
927970504099	TUV 64T5 HE SP UNP	-	-	%

Electrical Characteristics

Order code	Full product name	Lamp Wattage	Lamp Current
927970204099	TUV 36T5 HE 4P SE UNP	40 W	0.425 A
927970704099	TUV 64T5 HE 4P SE UNP	75 W	0.425 A
927970804099	TUV 64T5 HE 4P SE UNP	75 W	0.425 A
927971104099	TUV 64T5 HO 4P SE UNP	75 W	0.8 A
927972104099	TUV 36T5 HO 4P SE UNP	75 W	0.8 A
927973404099	TUV 20W 4P SE UNP	20 W	0.45 A
927970004099	TUV 36T5 SP UNP	40 W	0.425 A
927970504099	TUV 64T5 HE SP UNP	75 W	0.425 A

UV-related Characteristics

Order code	Full product name	UV-C Radiation
927970204099	TUV 36T5 HE 4P SE UNP	15 W
927970704099	TUV 64T5 HE 4P SE UNP	31 W
927970804099	TUV 64T5 HE 4P SE UNP	31 W
927971104099	TUV 64T5 HO 4P SE UNP	48 W
927972104099	TUV 36T5 HO 4P SE UNP	25 W
927973404099	TUV 20W 4P SE UNP	6.0 W
927970004099	TUV 36T5 SP UNP	15 W
927970504099	TUV 64T5 HE SP UNP	31 W

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927970804099	TUV 64T5 HE 4P SE UNP	31 W
927971104099	TUV 64T5 HO 4P SE UNP	48 W
927972104099	TUV 36T5 HO 4P SE UNP	25 W
927973404099	TUV 20W 4P SE UNP	6.0 W
927970004099	TUV 36T5 SP UNP	15 W
927970504099	TUV 64T5 HE SP UNP	31 W

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927973404099	TUV 20W 4P SE UNP	6.0 W
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927973404099	TUV 20W 4P SE UNP	6.0 W
927970004099	TUV 36T5 SP UNP	15 W
927970504099	TUV 64T5 HE SP UNP	31 W



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