

TLSVG 23 submersible lamp system

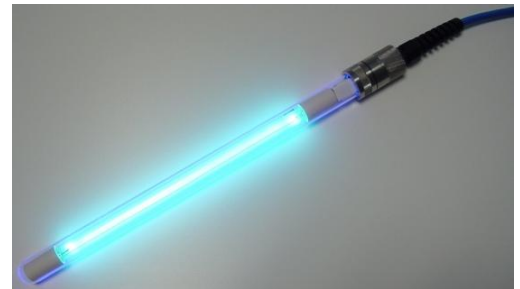
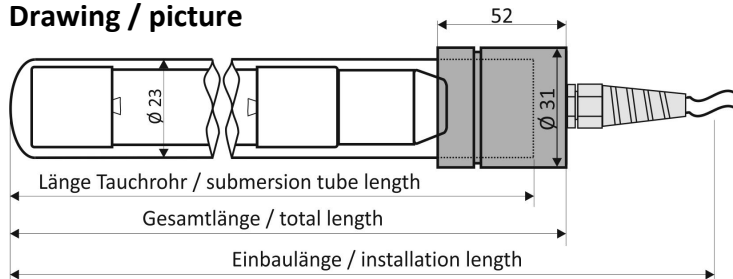
The submersible lamp system with an integrated lamp is suitable as a component for use in a variety of air and water applications. With a waterproof sealing of the cable in the stainless steel head, it reaches protection class IP68 and is therefore also suitable for fully submerged use in non-pressurized applications. A special PVC cable with transverse water proof is used. The immersion tube of the system has a diameter of 23 mm and provides in accordance to our customers requirements all T5 low-pressure lamps with a tube diameter of 15 mm and a base-diameter of 19 mm can be installed. Lamp powers between 4 W and 200 W are feasible. The design is ensured by the screw-head and is mountable without tools.

Main fields of application


Disinfection of UV-transparent media:

- water disinfection in air washers built in to air conditioning units
- air-disinfection systems in hospitals, doctors' offices and air conditioning units
- air disinfection in the food industry in sausage ripening rooms, bread relaxation rooms and packaging machinery
- odor and fat reduction in exhaust hoods in the restaurant (with ozone-forming lamps)
- water treatment and algae prevention in tanks, wells and ponds
- sterilization of conveyor belts and surfaces in the food industry

Drawing / picture



Technical information

ambient temperature	-20 to 30°C
cooling	convection, air flow, water
installation	mounting position as desired; systems must be fixed with UV stabile holders
cable	4x 0.75 mm ² , 19 AWG, transverse water proof, free of silicon black-grey and blue-brown are the both filaments of the lamp, yellow/green is PE
cable length	5 m (possible total length depends on the used ballast)
protection level	IP 68, waterproof up to 3 bar
safety notes	 PE is internally NOT connected to the stainless steel head and hence cut off. Please ground the stainless steel head be yourself with a clamp if necessary and use a GFCI plug in. Please note installation instructions TLSVG and ballast! Cable during operation in a suitable manner prior to UV radiation (or ozone) has to be protected. Cable must not kink or damage during installation!

Lamp emits dangerous radiation! Protect eyes and skin! Install safety shutdown! Attach warning notice!

Component must be installed only by trained professionals considering occupational health and safety regulations!

We accept no liability for damage caused by improper use!

Standard systems

type	integrated lamp* Ø/length [mm]	lamp power	submersible tube length [mm]	total length [mm]	installation length [mm]	recommended ballast
TLSVG 23/310-11E	TUV 11 T5	11 W	310	330	450	EVG UVT 11-16W
TLSVG 23/375-16E	TUV 16 T5	16 W	375	395	515	EVG UVT 11-16W
TLSVG 23/610-25E	TUV 25 T5	25 W	610	630	750	EVG UVT 16-25W
TLSVG 23/900-40E	TUV 36 T5	40 W	900	920	1040	EVG UVT 40W
TLSVG 23/900-75E	TUV 36 T5 HO	75 W	900	920	1040	EVG UVT 80WHO
TLSVG 23/610-80E	UVI 80 15/550	80 W	610	630	750	EVG UVT 40-150W
TLSVG 23/920-120E	UVI 120 15/860	110 W	920	940	1060	EVG UVT 40-150W
TLSVG 23/1610-201E	UVI 201 15/1554	200 W	1610	1630	1750	EVG UVT 80-200W

* max. lamp length can be calculated with submersion tube length minus 50 mm

Changing the length and/or the quartz type of the submersible tube as well as the built-in lamp on request possible.

Standard quartz type of submersible tube is PN (RQ200) and for the lamp PN235 (non-ozone producing).

PS (synth. Quartz), PN (RQ200) and PN235 (RQ235) are alternatively possible for lamp and submersible tube.

For systems with lamp lengths >1 m the lamp and the system may be delivered separately because of the risk of damages which may occur during transport.

In case of conventional wiring with choke, the starter can be integrated into the system.