

TLSVG 30 submersible lamp system

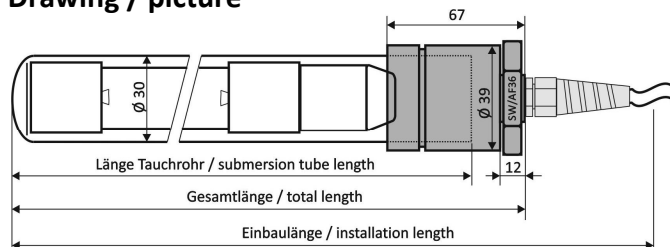
The submersible lamp system with an integrated lamp is suitable as a component for use in a variety of air and water applications. With a waterproof sealing of the cable in the stainless steel head, it reaches protection class IP68 and is therefore also suitable for fully submerged use in non-pressurized applications. A special PVC cable with transverse water proof is used. The immersion tube of the system has a diameter of 30 mm and provides in accordance to our customers requirements all T8 low-pressure lamps with a tube diameter of 19-22 mm and a base-diameter of 23-24.5 mm can be installed. Lamp powers between 80 W and 320 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; head can be mounted using screwing M24x2 (wrench size 36, max. Ø41) systems with a total length >500 mm should be supported at the end of the submersible tube
cable	5x 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 used the ballast)
protection level	IP 68, waterproof up to 3 bar
safety notes	PE is internally connected to the stainless steel head. Please have 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 30/610-80E	UVI 80 19/550	80 W	610	634	750	EVG UVT 80-200W
TLSVG 30/910-130E	UVI 130 19/840	130 W	910	934	1050	EVG UVT 80-200W
TLSVG 30/1070-160E	UVI 160 19/1000	160 W	1070	1094	1210	EVG UVT 80-200W
TLSVG 30/1190-200E	UVX 200 19/1120	190 W	1190	1214	1330	EVG UVT 80-200W
TLSVG 30/1670-300E	UVI 300 19/1600	300 W	1670	1694	1810	EVG UVT 200-400W
TLSVG 30/1620-320E	UVX 320 19/1554	320 W	1620	1644	1760	EVG UVT 200-400W

* 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.