

## TLSVG 30 submersible lamp system

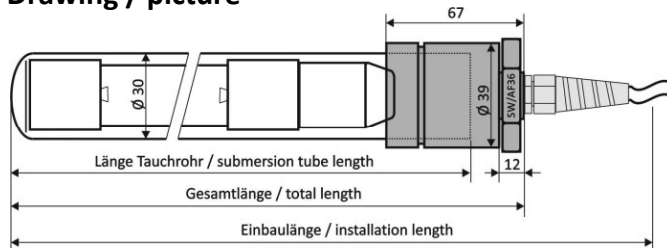
The submersible lamp system with an integrated lamp is suitable as a component for use in a variety of air and water applications. With a waterproof sealing of the cable in the stainless steel head, it reaches protection class IP68 and is therefore also suitable for fully submerged use in non-pressurized 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 <sup>2</sup> , 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	631	750	EVG UVT 80-200W
TLSVG 30/910-130E	UVI 130 19/840	130 W	910	931	1050	EVG UVT 80-200W
TLSVG 30/1070-160E	UVI 160 19/1000	160 W	1070	1091	1210	EVG UVT 80-200W
TLSVG 30/1190-200E	UVX 200 19/1120	190 W	1190	1211	1330	EVG UVT 80-200W
TLSVG 30/1670-300E	UVI 300 19/1600	300 W	1670	1691	1810	EVG UVT 200-400W
TLSVG 30/1620-320E	UVX 320 19/1554	320 W	1620	1641	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.

General Conditions for Sales and Supplies of UV-Technik Speziallampen GmbH are valid. Provision of a manual is mandatory and can be found at [www.uvtechnik.com](http://www.uvtechnik.com).