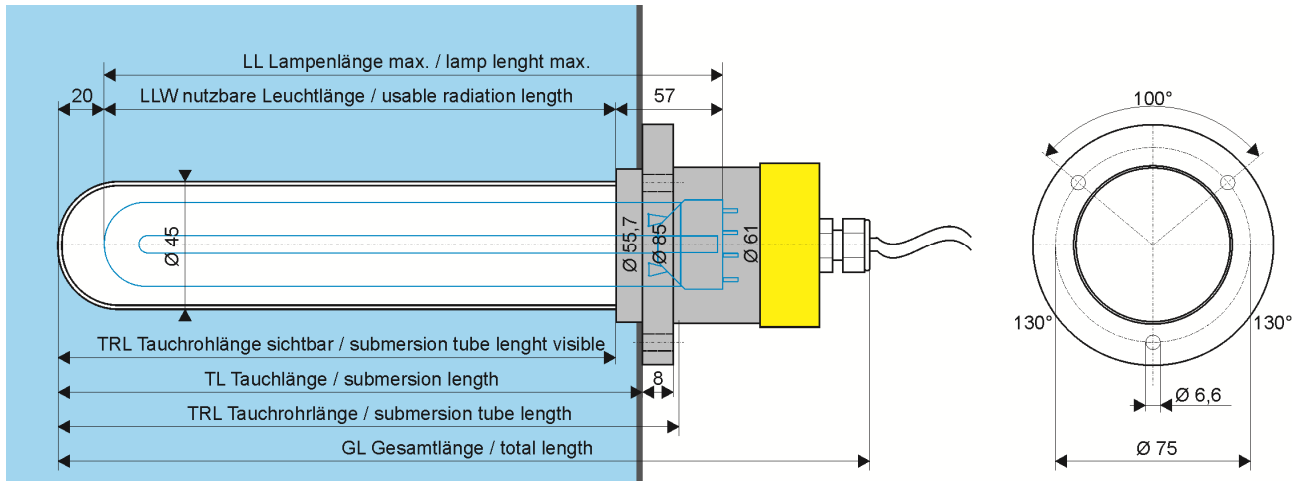
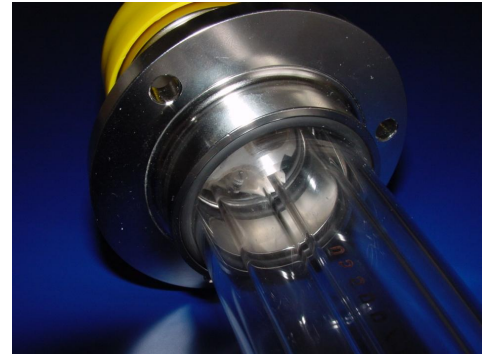



Submersion tube system TRS 45

This system consists of a quartz glass tube (RQ200) with $\varnothing 45$ mm, the tube holder made of stainless steel (1.4571) with flange, a plastic cap with cable gland as well as a contact ring and 2 sealing rings. It is suitable for all of our U-shaped UV lamps with a lamp tube diameter of 15 mm and the Philips lamps of the TUV PL-L series. The submersion tube system is designed for use in water as well as in air and is pressure-tight up to 10 bars. With sufficient cooling, especially in the area of the seal, the system can in principle also be used for medium-pressure lamps.



Technical information

ambient temperature	-20 to 30°C
cooling	convection, air flow, water
installation	mounting position as desired; systems must be fixed with UV stable holders, for length >300 mm a thrust bearing support is recommended
cable	available as an accessory
cable length	possible total length depends on the used ballast
protection level	from flange waterproof up to 10 bar, cable side IP 65
safety notes	 <p>Ground the stainless steel head if necessary and use a GFCI plug in. Please note installation instructions of TRS and ballast! Protect cable from UV radiation (or ozone) during operation! Do not kink or damage cable during installation!</p>

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!

The system is available in following standard length:

submersion tube system	submersion tube length TRL in mm (± 2)	submersion length TL in mm (± 2)	visible submersion tube length in mm	total length GL in mm (± 4)	suitable lamps	lamp length LL (max.) in mm
TRS 45/285-60U	285	275	262	370	UVI 60U	290 (300)
TRS 45/385-80U	385	375	362	480	UVI 80U	395 (400)
TRS 45/395-36U	395	385	372	490	TUV PL-L36	410 (410)
TRS 45/465-120U	465	455	442	550	UVI 120U	469 (480)
TRS 45/515-55U	515	505	492	600	TUV PL-L55	530 (530)
TRS 45/795-200U	795	785	772	880	UVI 200U	800 (810)

The effective luminous length can be calculated from the visible submersion tube length minus 77 mm. 20 mm are between lamp end and the bottom of the submersion tube (domed) and 57 mm are in the stainless steel head. Due to the design, about 20 mm of the lamp is covered.

Customized systems possible with the following changes: submersion tube in a different length/closed flat/of synthetic quartz as well as other lamps and lamp lengths, cap in stainless steel