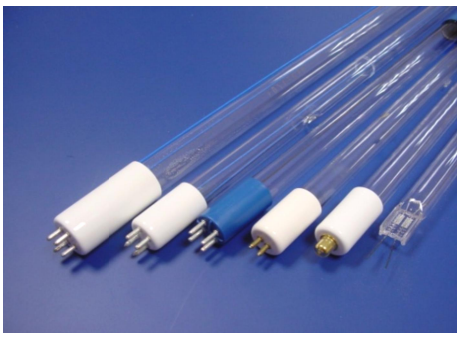
UVN – Standard low pressure lamps linear

UVN is the exclusive name of our standard low pressure lamps. On request we are able to deliver such lamps in different diameters and lamp currents. UVN lamps emit radiation mainly at the wavelengths 254 nm and 185 nm. Using different quartz glass types we are able to block or pass the 185 nm optionally. On request we are also able to deliver lamps partially equipped with 185 nm quartz for optimizing ozone generation.
UVN Amalgam lamps are suited for all applications in air or water. Its excellent quartz quality grants best efficiency both for disinfection and ozone generation. Long life coating is available on request.

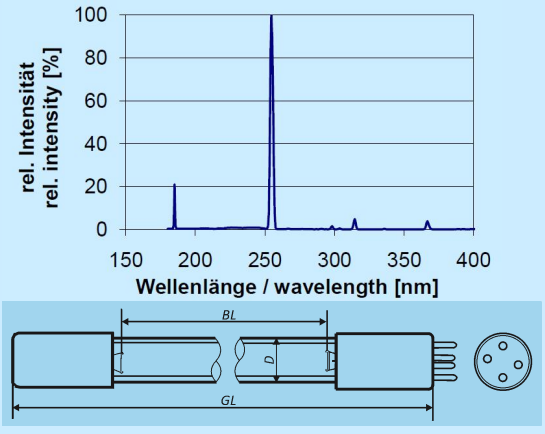


	geometry		electrical data*				UVC 100 h	
type	arc length BL mm	total length GL mm	lamp power in W	lamp current in A	lamp voltage in V	at supply	UVC in W	@ 1m in µW/cm²
Ø15 mm; standard 4 pin base								
UVN 6**	150	220	6	0.16	44	EC 6/8	1.3	13
UVN 8**	230	295	8	0.17	56	EC 6/8	2.0	20
UVN 11	150	220	11	0.35	37	EC 15	3.0	30
UVN 16	230	295	16	0.4	47	EC 20	4.8	48
UVN 20	360	420	20	0.37	62	EC 20	5.9	59
UVN 30	790	870	30	0.35	105	BTA30L31	10	93
UVN 40	790	870	40	0.38	120	EC 40	12	110
UVN 60 HO	900	1000	60	0.67	110	EC 65	24	220
Ø19 mm; standard 4 pin base								
UVN 80 HO	900	1000	80	0.88	100	EC 80	27	250

(*) lamp voltage measured at mentioned conventional supply, EPS on request available (**) lifetime limited to 5.000 h

technical data / guarantee values	
useful lifetime *depending on operating conditions*	6,000 to 16,000 h
guarantee lifetime *continuous operation maximal 3 switches per day*	8,000 h EPS* supply 6,000 h for conventional supply 12,000 h EPS supply, coating
average drop in radiation *laboratory measurements*	35 % at 8,000 h standard 20 % at 12,000 h with coating
lamp operating temperature *measured at glass surface*	30 to 60°C usable optimal 40 to 50° C
temperature range water *at optimized submersion tube Ø*	recommended 5 to 25°C

spectrum / geometry



(*) EPS = electronic power supply