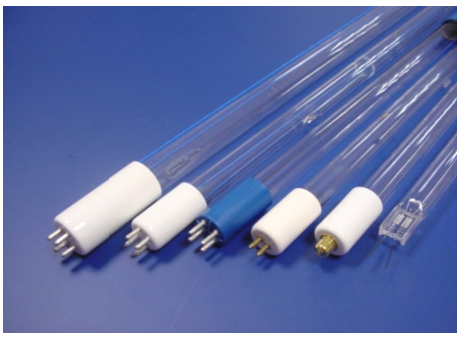
UVX – Amalgam lamps linear

UVX is the exclusive name of our Amalgam lamps with maximal increased power and long life coating. Compared with conventional low-pressure lamps, UVX lamps render up to triple the power – at the same UVC efficiency! UVX 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. UVX Amalgam lamps are suited for all applications in air or water. When using these power increased lamps, attention should be paid to an appropriate cooling. UVX lamps are the right choice for very compact and powerful UV systems providing maximal efficiency in combination with a remarkably long lamp lifetime.

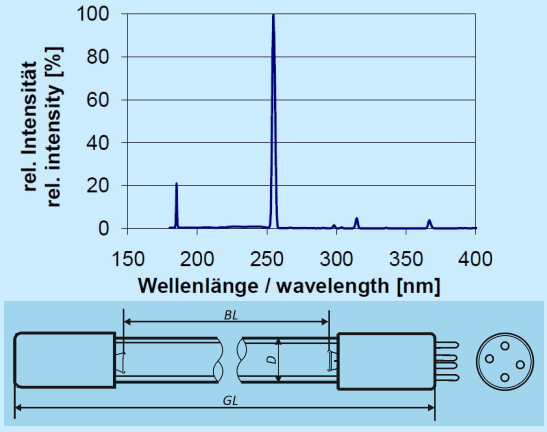


	geometry		electrical data*				UVC 100 h	
type	arc length BL mm	total length GL mm	lamp power in W	lamp current in A	lamp voltage in V	recommended electronic ballast	UVC in W	@ 1m in µW/cm²
Ø15 mm; standard 4 pin base								
UVX 40	224	300	42 (47)	1.2 (1.5)	36 (32)	DVG 200	12 (13)	120
UVX 60	359	435	60 (67)	1.2 (1.5)	50 (45)	DVG 200	18 (19)	180
UVX 70	429	505	(71) 80	(1.2) 1.5	(59) 54	DVG 200	(24) 25	(240)
UVX 80	474	550	85	1.5	60	DVG 200	27	270
UVX 125	784	860	135	1.5	90	DVG 200	45	420
UVX 130	851	915	130	1.5	105	DVG 200	50	460
UVX 140	924	1000	156	1.5	110	DVG 200	58	520
UVX 190	1260	1336	160	1.2	160	DVG 200	73	600
Ø19 mm; standard 4 pin base								
UVX 150	744	846	150	2.0	75	DVG 200	54	500
UVX 160	898	1000	170	2.0	90	DVG 200	61	550
UVX 200	1017	1120	190	2.0	95	DVG 200	70	610
UVX 320	1452	1554	300	2.0	150	DVG 500	108	820
Ø22 mm; standard 4 pin base								
UVX 300	1043	1145	260	2.6	100	DVG 260	90	780
Ø25 mm; standard 4 pin base								
UVX 200	898	1000	200	2.9	75	DVG 260	82	**
UVX 260	1098	1200	260	2.9	90	DVG 260	100	850
UVX 350	1452	1554	350	2.9	120	DVG 500	132	**
Ø28 / Ø32 mm; standard 4 pin base								
UVX 230	898	1000	230	3.5	65	DVG 500	78	700
UVX 400	1437	1539	400	3.8	110	DVG 500	140	1080
UVX 480	1736	1838	480	3.8	125	DVG 500	180	1270

(*) lamp voltage measured at recommended electronic ballast (**) in preparation, not measured yet

technical data / guarantee values	
useful lifetime *depending on operating conditions*	**up to 16,000 h**
guarantee lifetime *maximal 3 switches per day*	**12,000 h EPS supply, coating 6,000 h for conventional supply**
average drop in radiation *laboratory measurements*	**20 % at 12,000 h**
lamp operating temperature *measured at glass surface*	**100 to 150°C usable optimal 120 to 130° C**
temperature range water *at optimized submersion tube Ø*	**recommended for 5 to 25°C**

spectrum / geometry



(*) EPS = electronic power supply