

XERADEX®.

Excimer lamps 172 nm.

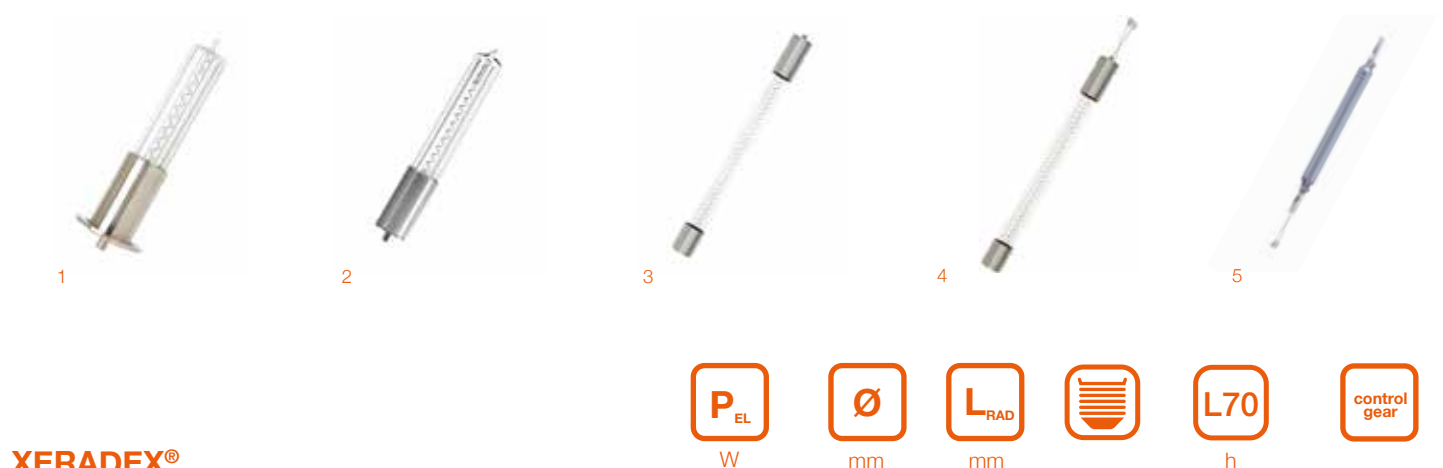
Application fields

- Activation of surface bonds
- Adjustment of wetting angle
- Cleaning of photo masks
- Removal of organic residue
- Matting of acrylic lacquers without matting agent
- Removal of photoresist
- Photo induced etching (e.g. Teflon)
- Photo induced CVD at lower process temperature
- Photocatalytic processes in advanced wafer processing
- Removal of organic toxins in water
- Lacquer hardening without Photoinitiator
- Photo induced surface oxidation
- Surface treatment for improved adhesion
- Increased pump speed for vacuum systems

Product properties

- Instant-On source for Vacuum UV radiation; no warm-up phase
- Monochromatic light source for Xenon excimer radiation at 172 nm (FWHM 14 nm)
- No UV-A, No UV-B radiation
- Patented pulse mode operation for high conversion efficiency of about 40 %
- Light weight
- No cooling required
- Nitrogen purging required
- No limitations on switching cycles
- Capable of instant restrike with no detriment to lamp life
- Lamp life: 2500 hrs
- Different lengths available
- Two versions for use in vacuum available
- Made in Germany

XERADEX® - Excimer lamps in 172 nm



XERADEX®

1	34317363	XERADEX L40/120/SB-SX48/KF50/HV	20	40	120	Single	2500	DBD 20	
1	34317385	XERADEX L40/120/SB-SX48/KF50	20	40	120	Single	2500	DBD 20	
2	34317003	XERADEX L40/120/SB-AZ48/93	20	40	120	Single	2500	DBD 20	
2	34317665	XERADEX L40/175/SB-AZ48/93	20	40	175	Single	2500	DBD 20	
1	34317388	XERADEX L40/175/SB-SX48/KF50/HV	20	40	175	Single	2500	DBD 20	
3	34317386	XERADEX L40/375/DB-AZ48/90	60/180	40	375	Double	2500/1500*	DBD 300	
3	34317387	XERADEX L40/620/DB-AZ48/90	100/300	40	620	Double	2500/1500*	DBD 300	
3	34317436	XERADEX L40/910/DB-AZ48/90	150/300	40	910	Double	2500/1500*	DBD 300	
3	34317444	XERADEX L40/910/DB-SH48/90	150	40	910	Double	2500	DBD 300	
4	34317680	XERADEX L40/910/DB-AK48/90	150/450	40	910	Double	2500/1500*	DBD 1000	
4	34317634	XERADEX/L40/1100/DB-AZ48/90	180/550	40	1100	Double	2500/1500*	DBD 1000	
4	34317600	XERADEX L40/1400/DB-AZ48/90	230/700	40	1400	Double	2500/1500*	DBD 1000	
4	34317595	XERADEX L40/1600/DB-AZ48/90	270/800	40	1600	Double	2500/1500*	DBD 1000	
4	34317534	XERADEX/L40/1800/DB-AZ48/90	300/900	40	1800	Double	2500/1500*	DBD 1000	
4	34317554	XERADEX L40/1800/DB-SH48/90	300	40	1800	Double	2500	DBD 1000	
4	34317541	XERADEX L40/2100/DB-AZ48/90	350/1000	40	2100	Double	2500/1500*	DBD 1000	
4	34317276	XERADEX/L40/2200/DB-AZ48/90	370/1000	40	2200	Double	2500/1500*	DBD 1000	
4	34317658	XERADEX/L40/2300/DB-AZ48/90	380/1000	40	2300	Double	2500/1500*	DBD 1000	
4	34317678	XERADEX L40/2400/DB-AZ48/90	1000	40	2400	Double	1500	DBD 1000	
5	34317691	XERADEX L32/250/DB-C20	NEW	70	32.5	250	Double	1500	DBD70
5	34317692	XERADEX C32/250/DB-C20 (222 nm)	NEW	70	32.5	250	Double	1500	DBD70
	34317460	RXC 1200 1000W OG**		1000	40	1200	Double	-*	-*
	34317461	RXC 1400 1200W OG**		1200	40	1400	Double	-*	-*
	34317462	RXC 1600 1400W OG**		1400	40	1600	Double	-*	-*

*depends on chosen input power. **to be used as second source lamps for external modules in the semiconductor industry.

Different lengths, wavelengths and VUV-reflectors upon special request.

Control gears

52312907	DBD 20/110-240		20 (non dimmable)	-	-	-	-	-
52317693	DBD 70	NEW	70 (dimmmable)	-	-	-	-	-
52317629	DBD 300 MK2 DIM		300 (dimmmable)	-	-	-	-	-
52318653	DBD 1000/220-240 DIM		1000 (dimmmable)	-	-	-	-	-

Safety precautions:

XERADEX® lamps produce extremely intense UV radiation that is heavily absorbed by oxygen. Ozone is produced as a result. Adequate ventilation must therefore be provided during their operation. The lamps should be operated only in airtight enclosures. XERADEX® lamps are operated at high voltage and may only be connected to original DBD control gear designed for this purpose. Never connect them to any other control gear. Lamps are operated at high voltage and may only be installed, exchanged and operated by qualified personnel.