



## EUV-X-L Flow Lamp



The Resonance EUV windowless source is an RF excited flow lamp with a capillary bore in an EMI shielded enclosure. This lamp mounts to a 33.78 mm or larger CF type flange.

The lamp assembly has an integral RF exciter which is powered by a small wall plug power supply. This supply is sufficient to produce emissions from the principal neutral rare gas species in the range of 10 photons per second per steradian.

The Resonance EUV-X-L Flow Lamp system can be configured as a windowless source of EUV emissions or with interchangeable LiF or MgF<sub>2</sub> windows. With the interchangeable window the system can be used to produce emissions above the LiF cut-off of 104nm.

If coupled with a Resonance VM series monochromator, this will work as a tunable light source from 25nm up to 800nm

### Features

- Greater than 10<sup>15</sup> photons/sec/ster for major spectral lines
- Provides EUV light below 25 nm
- < 1 kg mass
- Easy connection to a monochromator for use as an EUV tunable light source
- Low astigmatism



EUV-X-L Specifications	
Power In	110-240V
Power Supply	20W RF
Wavelength Range	24-800nm
Current	0.5A @ 110V max.
Mass	800g
Intensity	>1015 photons/sec/str (major spectral lines)
Vacuum Adapter	2.75 inch CF flange standard

Major Spectral Outputs	
Species	Wavelength
He	58.43
Ne	73.59 & 74.37
Ar	104.82 & 106.67
H	102.57 & 121.57
O	130.22, 130.48 & 130.61
N	120
Cl	118
N2	LBH Bands

