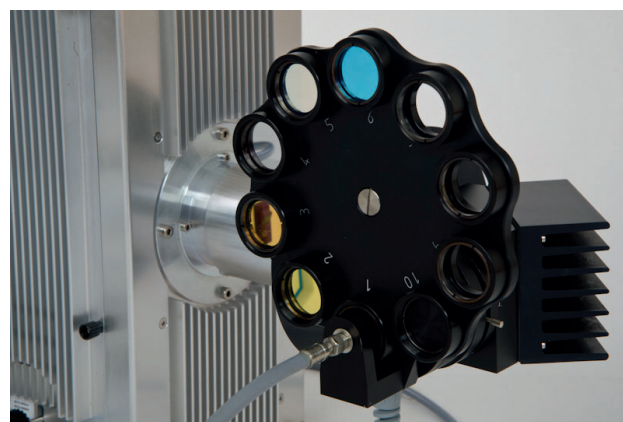


## TLS120Xe and MLS Xenon Light Source

DynaCool (D312, D326) / PPMS (P312, P326) /  
VersaLab (V312, V326)

Quantum Design provides light sources for sample illumination which are an ideal complement to either the VSM FOSH or Photoconductivity MFP. The MLS Xenon Light Source produces white light which can be filtered down to a specific wavelength using a manually rotated filter wheel, while the TLS120Xe can be tuned automatically with software commands in MultiVu across an even wider range. Both sources output to a standard SMA-style connector and have user-replaceable lamps.



MLS Xenon Light Source shown with the 10-position filter wheel used to produce monochromatic light.



TLS120Xe with manual front panel controls active.

### Light Sources Specifications

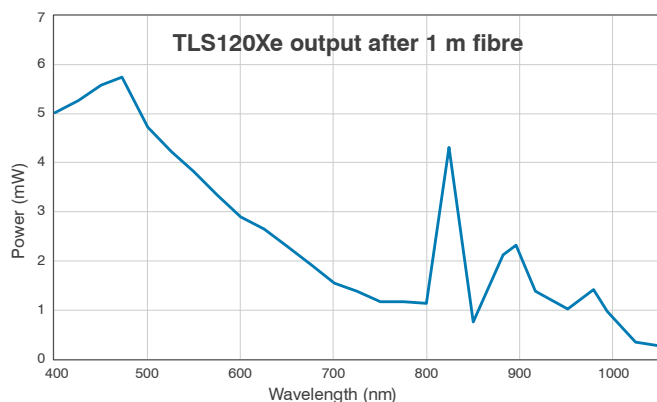
#### TLS120Xe

Wavelength Range:	280 to 1100 nm
Bandwidth:	20 nm (FWHM)
Grating Line Density:	1200
Nominal Blaze Wavelength:	380 nm
Lamp Type:	Short-arc OFR xenon (100 W)
Lamp Lifetime:	500 hours

#### MLS Xenon Light Source

Wavelengths (FWHM):	436 nm (20 nm)
	470 nm (40 nm)
	500 nm (20 nm)
	530 nm (30 nm)
	555 nm (20 nm)
	585 nm (40 nm)
	640 nm (30 nm)
	740 nm (40 nm)
	850 nm (40 nm)
Lamp Type:	Short-arc xenon (300 W)

Specifications are subject to change without notice.



Typical power spectrum of the TLS120Xe denoting approximate radiant flux incident on a sample as a function of wavelength.