LDLS™ Selection Guide

Model	EQ-99X	EQ-99XFC	EQ-77	EQ-400
General Characteristics	Compact, high-brightness source with window output for free-space optics coupling	Compact, high-brightness Source with fiber optic coupled output	Highest brightness, high power source with single-beam output and retro-reflector	Highest brightness, high power source with dual window output for free-space optics coupling
Typical Broadband Optical Power	~0.5W	~80mW (from 230µm diameter fiber, 0.22NA)	~2W	~15W
Typical Spectral Radiance/Brightness *(Depending on Wavelength)*	~10 mW/mm^2.sr.nm	~60 µW/nm (from 230µm diameter fiber, 0.22NA)	~40 mW/mm^2.sr.nm	~100mW/mm^2.sr.nm
Optical Interface	Point source with 0.47NA diverging beam for collection by free-space optic. (SM1 thread)	Standard FC connector for connection to fibers up to 1mm diameter	Point source with 0.5NA diverging beam for collection by free-space optics	Point source with 0.5NA diverging beam from front and back windows. Optional retro-reflector
Cooling System	Air-cooled	Air-cooled	Water-cooled. Requires chiller (available from Energetiq)	Water-cooled. Requires chiller (available from Energetiq)
Common Features	Broadband spectrum, 170nm–2100nm; (190nm–2100nm for EQ-99XFC) Long-life bulb			
Applications	UV-Vis Spectroscopy Optics Testing Analytical Instrumentation Monochromater Source	UV-Vis Spectroscopy Fiber Optic Testing Thin-film Measurement Turn-key Systems	Semiconductor Metrology Optical Testing Advanced Imaging Thin-film Measurement	Semiconductor Metrology Materials Characterization Advanced Imaging Thin-film Measurement

Note: Performance measures mentioned in this Selection Guide are typical values for guidance in the selection and use of LDLS™ products. They are not to be taken as specifications. **Please contact Energetiq for further details: info@energetiq.com**

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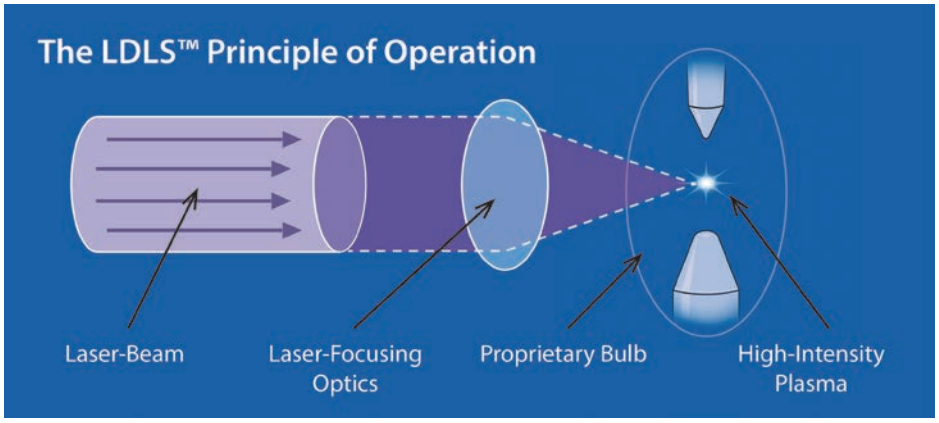
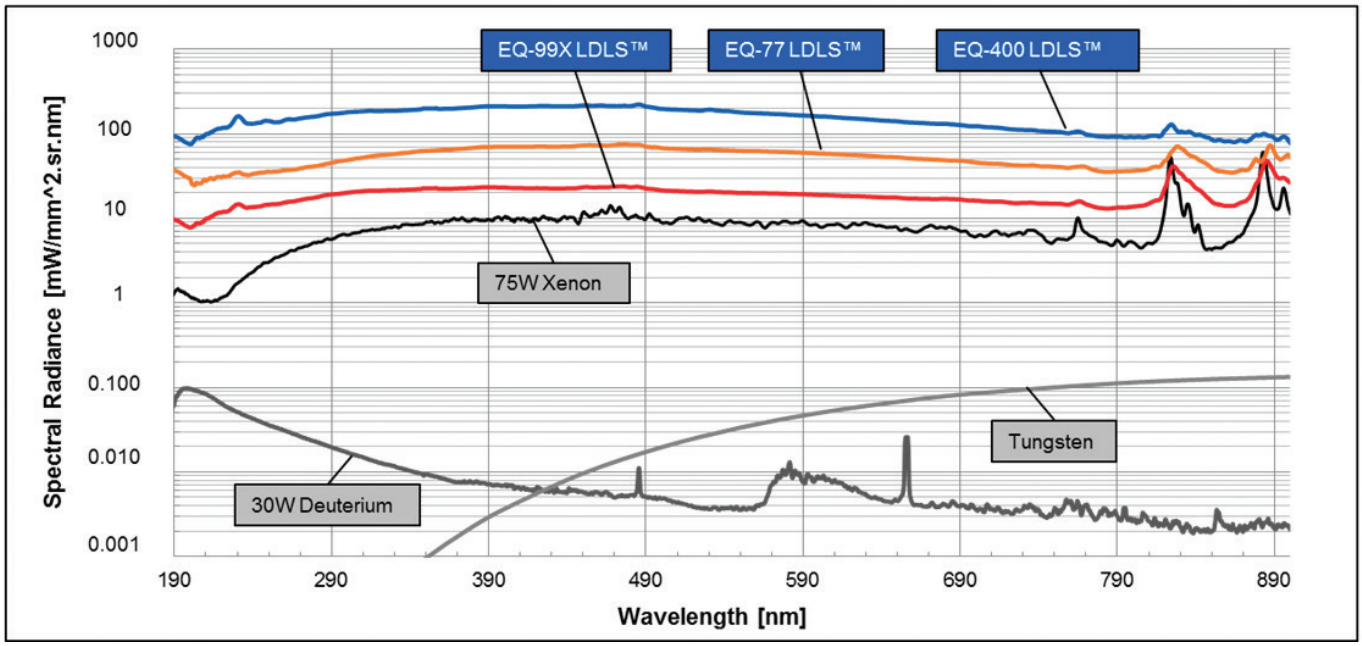


High-Intensity Xenon Plasma

Ultra-High Radiance Broadband Light Sources



About Energetiq

Energetiq Technology, Inc. is a developer and manufacturer of advanced light sources that enable the analysis and manufacture of nano-scale structures and products. The Energetiq team combines its deep understanding of the high power plasma physics needed for high-brightness light generation with its long experience in building rugged industrial & scientific products. The result is that users can expect the highest levels of performance combined with the highest reliability.

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Specifications are subject to change without notice.
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