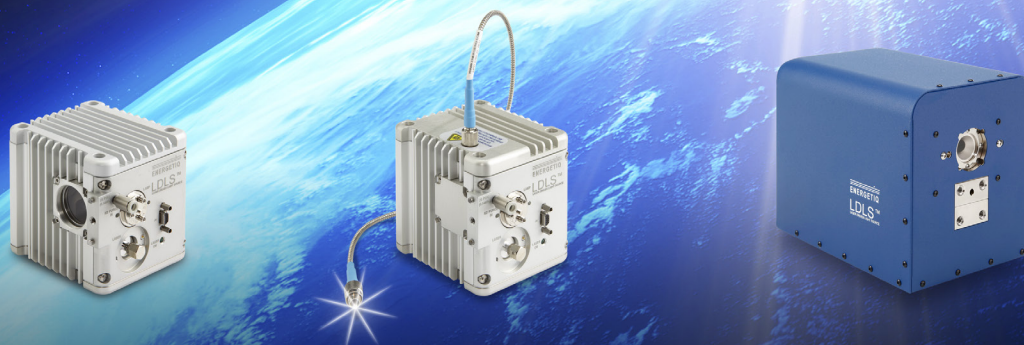


# LDLS™ Selection Guide



Model	EQ-99X	EQ-99XFC	EQ-1500
<b>General Characteristics</b>	Compact, High-Brightness Source with window output for free-space optics coupling to application	Compact, High-Brightness Source with fiber optic coupled output	Highest Brightness, High Power Source with window output for free-space optics coupling to application
<b>Typical Broadband Optical Power</b>	~0.5W	~80mW (from 230μm diameter fiber, 0.22NA)	~1.5W
<b>Typical Spectral Radiance/Brightness (Depending on Wavelength)</b>	~10 mW/mm <sup>2</sup> .sr.nm	~60 μW/nm (from 230μm diameter fiber, 0.22NA)	~30 mW/mm <sup>2</sup> .sr.nm
<b>Optical Interface</b>	Point source with 0.47N 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
<b>Cooling System</b>	Air-cooled	Air-cooled	Water-cooled. Requires chiller (available from Energetiq).
<b>Common Features</b>	Broadband spectrum, 170nm–2100nm; (190nm–2100nm for EQ-99XFC) Long-life bulb; CE Mark; Class 1 Laser Product		
<b>Applications</b>	<ul style="list-style-type: none"> <li>UV-Vis Spectroscopy</li> <li>Optics Testing</li> <li>Analytical instrumentation</li> <li>Monochromater Source</li> </ul>	<ul style="list-style-type: none"> <li>UV-Vis Spectroscopy</li> <li>Fiber Optic Testing</li> <li>Thin-film measurement</li> <li>Turn-key systems</li> </ul>	<ul style="list-style-type: none"> <li>Monochromater Source</li> <li>PEEM/LEEM</li> <li>UV-Vis Spectroscopy</li> <li>Materials Characterization</li> </ul>

**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](mailto:info@energetiq.com)**



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