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 dual window output for free-space optics coupling	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 0.47N 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 from front and back windows	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**

ENERGETIQ

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Specifications are subject to change without notice.
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