LIGHT SOURCES

- Powerful and Compact Broadband Light Sources
- Pico-second Pulsed Supercontinuum Lasers / Tungsten-Halogen / Plasma / LED
- For the Most Advanced Illumination Applications

(Microscopy, Spectroscopy, Machine Vision and Spectral Imaging applications)

www.spectrolightinc.com

Laser-Driven Light Source (LDLS™)

EQ-99X-FC LDLS™

Energetiq's EQ-99X-FC LDLS is a high brightness fiber-coupled source with a broad wavelength range from UV to Visible and into the NIR region.
The unique principle of operation provides extremely bright, spatially and spectrally stable broadband radiation from 190 nm - 2500 nm with a lifetime greater than 10,000 hours.

Specifications

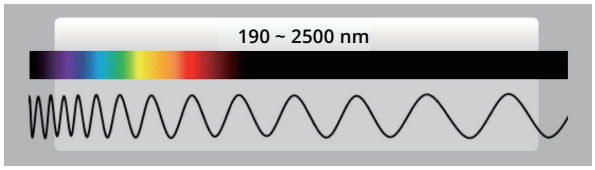
- Broadband optical power : 95 mW
  (Measured with thermopile : UVFIBERX-230 fiber optic cable)
- Spectral wavelength : 190 - 2500 nm
- Spectral radiance (at 500 nm) : 25 - 75 mW/mm².sr.nm
  (Different from the models)
- Plasma size (average FWHM) : 100 µm x 180 µm
- Numerical aperture (Output Fiber) : 0.22 NA
- Bulb lifetime : ~ 10,000 hours
- Laser class : Class 1 (IEC 60825-1: 2014)
- Power consumption : 100 - 240 V, 175 W, 50/60 Hz
- Dimension
  -Lamphead : 76 x 83 x 76 mm (0.7 kg)
  -Controller : 111 x 107 x 301 mm (1.4 kg)

EQ-99X-FC LDLS™

Fiber collimator

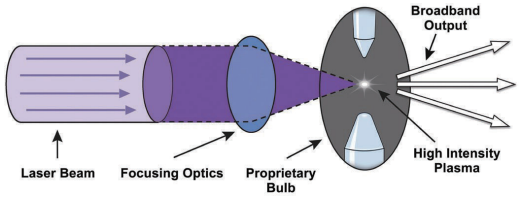
Broadband fiber

Features

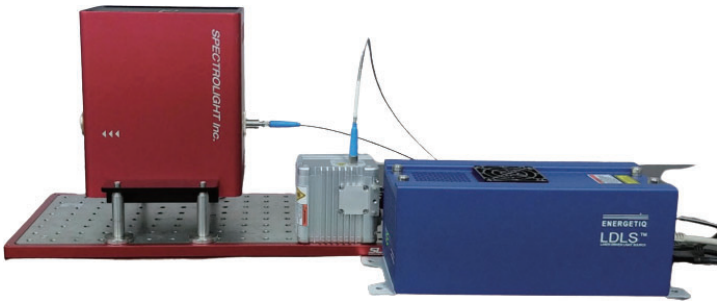


Wide broadband spectral range

With ENERGETIQ's LDLS and FWS-Poly, it is possible to generate a tunable light covering a wide spectral range, 255 - 1650 nm.



Small, high brightness broadband output



Application with FWS

402, 7-16, Naseongnam-ro, Sejong-si, 30129, South Korea / Tel. +82-10-6538-9852
www.spectrolightinc.com