

SL5 Deuterium Halogen Light Source for UV-VIS

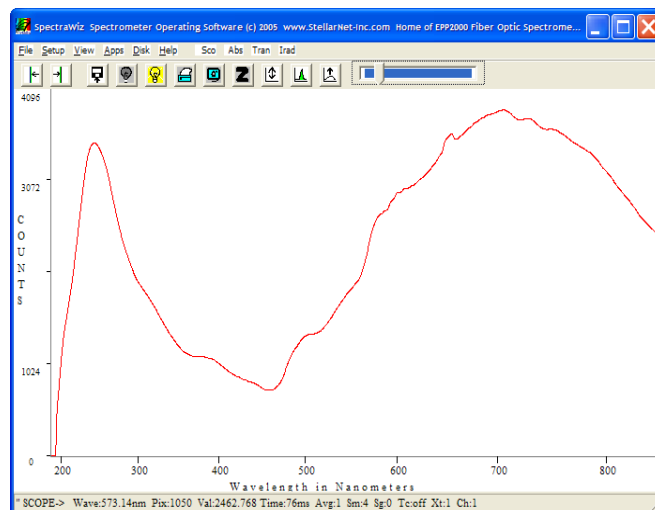
SL5-CUV



SL5

- **190-2500nm Spectral Range** - Combines two light sources into one small package with deuterium bulb plus tungsten-halogen bulb in one fiber optic connection.
- **Miniature Size** - Its small size of 1.5 x 2.5 x 6" makes it a perfect match for our **BLUE-Wave** or **BLACK-Comet** spectrometers.
- **Dual Lamps** - The deuterium and halogen lamps can be individually turned on/off and have a front panel shutter control button for taking a quick dark spectra reference.
- **Portability** - The combination of both lamps into one small enclosure saves money and reduces complexity to provide the ultimate UV-VIS light source for portability.

- **The SL5 Deuterium Tungsten Halogen Light Source** - is a miniature Deuterium and halogen light source that covers the 190-2500nm range. The lamp combines the Deuterium Spectrum with the Tungsten Halogen spectrum to form a single optical path. The deuterium and halogen lamps can be individually turned on or off and have a front and rear panel shutter control. The SL5-DH lamp connects via fiber optic cable to cuvette holders, dip probes, and flow cells, with the return signal routed to the spectrometer via SMA 905 input connector.
- **SL5-CUV** adds an external cuvette holder that is ideal for transmission and absorbance measurements for liquids using standard 1cm UV grade cuvettes.
- **SL5-Filter** adds a nose cone to allow insertion of 0.5 inch diameter UV/VIS/NIR filters for special excitation applications. DCX lens option for x2 signal gain.



SL5 Lamp Spectra from a Concave Grating Spectrometer

SL5 Light Source and Accessories

Item	Description
SL5	SL5 Deuterium / Tungsten UV/Vis/NIR Lamp
SL5-CUV	SL5 with Cuvette Holder
SL5-FILTER	SL5 with Filter Holder
LENS-DCX	Lens DCX add-on for 2x gain (SL5-FILTER only)

Please note the SL5 is low power and cannot be used with a reflectance probe >> See the SL3 deuterium or SL4 deuterium plus halogen light sources.

Specifications

Weight	1 pound (454 g)	Output to bulb	Internal
Power consumption	6 Watts	Output regulation	0.05%
Spectral Range	190-2500nm	External filter accessory	Demountable
Time to stabilize output	5 min	External filter slot	0.5" diameter filters
Power output	1 W/m ²	Spectral attenuation	450nm dip
Bulb Color Temp	3000K	Connector	SMA 905