

# SL5 Deuterium Halogen Light Source for UV-VIS

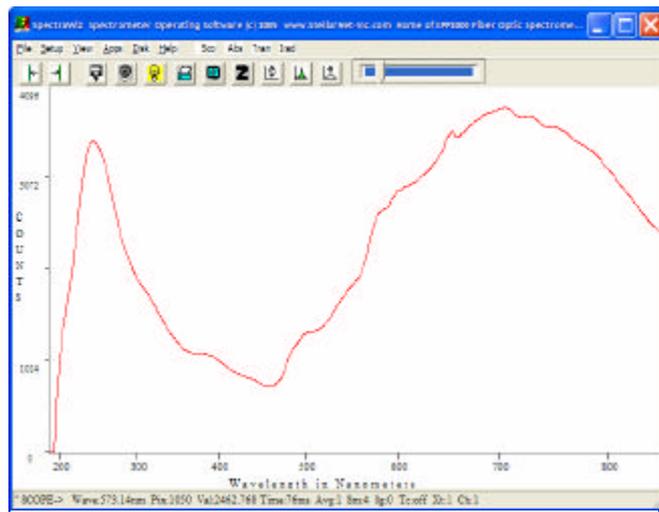
SL5-CUV



SL5

- **190-1100nm 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 190-1100nm 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	Price
SL5	SL5 Deuterium / Tungsten UV/Vis/NIR Lamp	\$1,250
SL5-CUV	SL5 with Cuvette Holder	\$1,500
SL5-FILTER	SL5 with Filter Holder	\$1,500
LENS-DCX	Lens DCX add-on for 2x gain (SL5-FILTER only)	\$100

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

## Specifications

<b>Weight</b>	1 pound (454 g)	<b>Output to bulb</b>	Internal
<b>Power consumption</b>	6 Watts	<b>Output regulation</b>	0.05%
<b>Spectral Range</b>	190-1100nm	<b>External filter accessory</b>	Demountable
<b>Time to stabilize output</b>	5 min	<b>External filter slot</b>	0.5" diameter filters
<b>Power output</b>	1 W/m <sup>2</sup>	<b>Spectral attenuation</b>	450nm dip
<b>Bulb Color Temp</b>	3000K	<b>Connector</b>	SMA 905