

SL4-DT Deuterium & Tungsten Light for UV-VIS-NIR



- **200-1700nm Spectral Range** - Combines two light sources into one small package with Deuterium bulb plus Tungsten-halogen bulb that has one SMA 905 fiber optic connection.
- **D-alpha line** (654nm) eliminated in deuterium source.
- **Dual Lamps** – Shutter button on the front panel blocks the light output of both lamps, necessary for taking dark reference spectrums without turning off the source.
- **Portability** - The combination of both lamps into one small enclosure reduces complexity and can be connected to the BP2 battery pack for field applications.

- **SL4-DT Deuterium & Tungsten Light** is a miniature Deuterium and Tungsten-halogen light source that covers the 200-1700nm range in a single light source for spectroscopy measurements. It's high output power enables use for reflectance measurements, where other low power light sources like SL5-DT are too weak.
- **Miniature Size** - Small size of 72 mm x 40 mm x 90 mm makes it a perfect match for StellarNet miniature spectrometers:
 Concave 190-850nm & CSR 220-1100nm
 EPP2000-UVN-SR 200-1100nm
 GREEN-Wave UVNb 200-1050nm
 BLUE-Wave UVNb 200-1050nm



Paper, leaf, powder, and rock spectra obtained with the SL4-DT and concave grating spectrometer

Item	Description	
SL4-DT	High output Deuterium/Tungsten Lamp for UV-VIS	
SL4-B-UV	Deuterium replacement bulb for UV	
SL4-B-VIS	Halogen replacement bulb for VIS	

Weight	200 grams	Output to bulb	Internal
Power consumption	10 VA	Output fluctuation	0.004 %p-p
Spectral Range	200-1700nm	Deuterium bulb lifetime	800 hours
Time to stabilize output	5 min	Tungsten bulb lifetime	1000 hours
Optical power in Watts/m²	15 UV – 45 VIS	Spectral attenuation	450nm dip
VIS Bulb Color Temp	2800K	Connector	SMA 905