

# LS-DW

## Deuterium Tungsten-Halogen

### LIGHT SOURCE

Great Stability

UV-Vis-NIR Spectral Range

Lamp and Shutter Selector

SMA Optical Fiber Connector

Remote Control with SPEC Hub



### A COMPACT LIGHT SOURCE

LS-DW is a compact light source that combines the continuous spectrum of deuterium and tungsten lamps into a single optical fiber SMA connector. The combined spectrum produces a stable output and delivers the ideal light intensity for most absorbance and transmittance measurements ranging from 185 to 1100 nm.

### SELECT ONLY THE LAMP YOU NEED

The DW light source has an integrated lamp selector that allows you to choose between a single and combined deuterium and tungsten-halogen lamp operation, according to your spectral region of interest.

### SHUTTER FOR MAXIMUM PERFORMANCE

The built-in shutter controller included on the DW light source enables a simple operation for dark measurements or reducing the exposure of samples to UV light without the need for shutting off the light source, resulting in a more stable and extended lifetime.

## Absorbance with Cuvettes

### SETUP EXAMPLE

1. DW Light Source
2. Optical Fibers
3. Standard Cuvette Holder
4. FLEX Spectrometer



## Specifications Table

<b>Wavelength Range</b> 185-1100nm	<b>Deuterium Lamp Lifetime</b> ~ 1000 h	<b>Tungsten Lamp Lifetime</b> ~ 2000 h
<b>Local Operation</b> Power, shutter and lamp selector	<b>SMA Optical Fiber Connector</b> SMA 905	<b>Warm-up Time</b> Approx. 15 min.
<b>Remote Operation</b> Requires SPEC Hub and remote cable	<b>Power Consumption (max.)</b> 6W	<b>Power Requirements</b> 12 VDC / 0.6 ADC
<b>Dimensions</b> 200 (L) x 65 (W) x 65 (H) mm	<b>Weight</b> 800 gr	

## Order Information

Description	Part Number
DW Light Source (power supply included)	LS-DW
DW Lamp Unit Replacement (185-1100 nm)	B-DW
SPEC Hub for DW Remote Control (cable included)	HUB-DW

### CONTACTS



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