

# LS-W

## Tungsten-Halogen Light Source

UV-Vis-NIR Spectral Range

Adjustable Power Output

SMA Optical Fiber Connector

Built-in Filter Slot

Remote Control with SPEC Hub



### POWERFUL AND FLEXIBLE

With W light source you have the possibility of choosing from four different tungsten-halogen lamps (7, 14, 20, and 25 watts) that range from 300- 3000 nm for the 20 watts lamp and 380-3000 nm for the 7, 14, and 25 watts lamps. The included slide filter holder allows great flexibility, including narrowing the spectral range (by using band-pass, short-pass or long-pass filters)

### ADJUST THE LIGHT INTENSITY

LS-W has an adjustable power output knob to locally control the amount of light that reaches your sample.

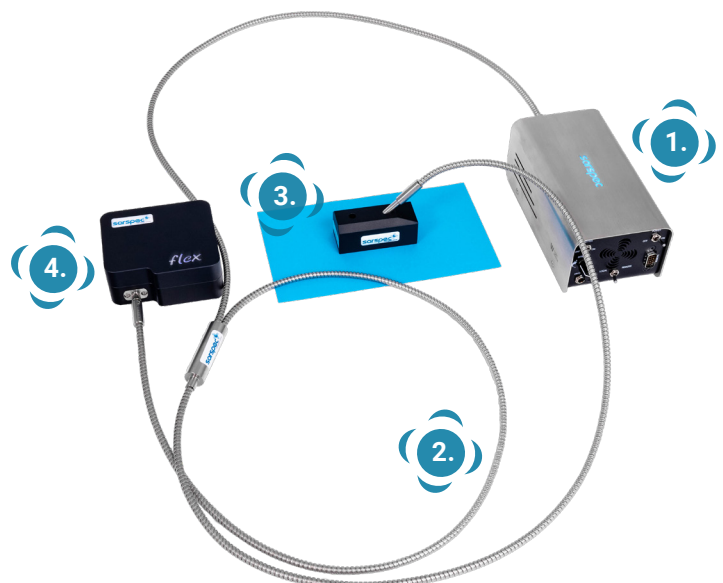
### SHUTTER FOR MAXIMUM PERFORMANCE

The built-in shutter controller included on the W light source provides a simple operation for dark measurements without the need for shutting off the light source, resulting in a more stable and extended lifetime.

## Reflectance (Vis Range)

### SETUP EXAMPLE

1. W Light Source
2. Reflectance Probe
3. Standard Probe Holder
4. FLEX Spectrometer



## Specifications Table

	LS-W7	LS-W14	LS-W20	LS-W25
<b>Wavelength Range</b>	380 - 3000 nm	380 - 3000 nm	300 - 3000 nm	380 - 3000 nm
<b>Tungsten-Halogen lamp power</b>	7W	14W	20W	25W
<b>Tungsten-Halogen lamp lifetime</b>	~ 4000 h	~ 4000 h	~ 1500 h	~ 4000 h
<b>Power consumption (maximum)</b>	12W	19W	25W	30W
<b>Optical Filter Slot</b> Filter Slot and Slide Filter Holder included (holds 1 filter with 12.7mm diameter and 3mm maximum thickness)	<b>Local operation</b> Shutter controller, intensity control knob, Remote / Local selector	<b>SMA Optical fiber connector</b> SMA 905 with adjustable focus		
<b>Time for a stable output</b> Approx. 15 min.	<b>Remote operation</b> Shutter, Lamp enabling (TTL compatible signals) and Intensity control (analog and PWM) - best with optional SPEC Hu	<b>Lamp cooler system</b> Air cooling		
<b>Power requirements</b> 24 VDC/ 2 ADC	<b>Dimensions / Weight</b> 200 (L) x 92 (W) x 72 (H) mm / 1,1 kg			

## Order Information

### Part Number: LS-W7

Description: 7W Light Source (380-3000nm)

### Part Number: LS-W14

Description: 14W Light Source (380-3000nm)

### Part Number: LS-W20

Description: 20W Light Source (300-3000nm)

### Part Number: LS-W25

Description: 25W Light Source (380-3000nm)

### Part Number: HUB-W

Description: SPEC Hub for W Remote Control (cable included)

### Part Number: SFH-W

Description: Slide Filter Holder for W (for 12.7mm diameter filters and 3mm max. thickness)

## CONTACTS



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