

# Tungsten-Halogen Spectroscopy Illuminator

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## Product Downloads

### General

Tungsten-Halogen Illuminator **Type:**

HL-2000-LL-FHSA **Model Number:**

**Note:**  
Power supply, integrated shutter, integrated filter holder for filters up to 25 mm square or 25 mm round in diameter and 4 mm in thickness, and integrated attenuator included.  
The illuminator has an optical output drift of <0.1% per hour

10000 **Operating Lifetime (hours):**

## Physical & Mechanical Properties

0.5 **Weight (kg):**

58 x 59 x 140 **Dimensions (mm):**

## Optical Properties

360 - 2400 **Wavelength Range (nm):**

## Electrical

4.5 **Output Power (mW):**

## Hardware & Interface Connectivity

SMA905 **Connector:**

12 VDC **Power Requirement:**

## Environmental & Durability Factors

5 to 35 **Operating Temperature (°C):**

2800 **Color Temperature (K):**

5–95% without condensation at 40°C **Operating Humidity:**

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 250:**

## Product Details

- Stable, High-Quality Output Across Broad Wavelength Ranges from 185–2500 nm
- Deuterium-Tungsten, Xenon, Tungsten-Halogen Lamp Types Available
- Fully Compatible with Ocean Optics Spectrometers and Accessories

Ocean Optics Spectroscopy Illuminators offer a flexible range of UV–NIR light sources to pair with Ocean Optics spectroscopy systems. Choose from Tungsten-Halogen for stable VIS–NIR output (360–2400nm), Xenon for high-intensity, pulsed broadband UV–NIR illumination (185–2500nm), or Deuterium-Tungsten for continuous coverage from deep UV through NIR (210–2500nm). Typical applications include reflectance, transmittance, absorbance, and fluorescence measurements where reliable, well-matched illumination is essential. Ocean Optics Spectroscopy Illuminators are designed for lifetimes of up to 10,000 hours and feature SMA fiber connections.