

[See all 3 Products in Family](#)

# Tungsten-Halogen Spectroscopy Illuminator

See More by [Ocean Optics](#)



Stock #90-544 NEW CONTACT US

⊖ 1 ⊕ C\$2,931<sup>00</sup>

ADD TO CART

Volume Pricing	
Qty 1+	C\$2,931.60 each
Need More?	<a href="#">Request Quote</a>

## 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

**Operating Lifetime (hours):**

10000

## Physical & Mechanical Properties

**Weight (kg):**

0.5

**Dimensions (mm):**

58 x 59 x 140

## Optical Properties

**Wavelength Range (nm):**

360 - 2400

## Electrical

**Output Power (mW):**

4.5

## Hardware & Interface Connectivity

**Connector:**

SMA905

**Power Requirement:**

12 VDC

## Environmental & Durability Factors

**Operating Temperature (°C):**

5 to 35

**Color Temperature (K):**

2800

**Operating Humidity:**

5–95% without condensation at 40°C

## Regulatory Compliance

**RoHS 2015:**

[Compliant](#)

**Certificate of Conformance:**

[View](#)

**Reach 250:**

[Compliant](#)

## 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
- Recommended Patchcords Available [Here](#)

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.