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# Tungsten-Halogen

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Stock #90-544-RCD-03P **RECERTIFIED** 1 In Stock

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## General

**Type:** Tungsten-Halogen Illuminator

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

**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:** SMA 905

**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**

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## 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.

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