Tunable Intensity Fan-Cooled Tungsten Light Source

BIM-6214

The BIM-6214 is an intensity-tunable, fan-cooled tungsten light source designed for optical characteristic measurement. It Integrated voltage regulation circuit ensure the Spectral Output stability, Optimized Broad Spectral Range(e.g.,400–2500nm) from visible to near-infrared (VIS-NIR) for absorption/reflectance spectroscopy measurement, TTL-Controlled Electronic Shutter enables seamless system integration and synchronized measurements, Active Fan Cooling Maintains thermal stability during prolonged operation.

Key Features

- Active Fan Cooling with Voltage Regulation - Ensures stable spectral output through precise thermal management and built-in voltage stabilization circuitry
- Continuously Tunable Light Intensity - Provides flexible output power to accommodate diverse measurement requirements
- Modular Design with TTL-Controlled Shutter - Enables seamless system integration and synchronized operation in analytical setups
- Standard SMA905 Fiber Optic Port - Facilitates easy connection to other instruments via optical fiber

Applications

- VIS-NIR Transmittance & Absorbance measurement
- VIS-NIR Reflectance measurement
- System Integration

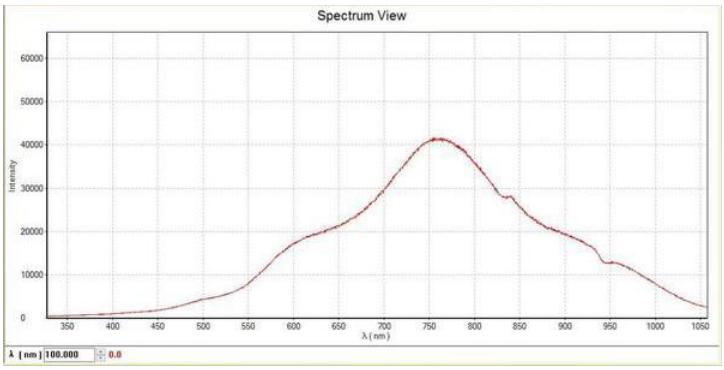
What's included

#	Part Description	Model	Qty.
1	Tunable Intensity Fan-Cooled Tungsten Light Source	BIM-6214	1
2	Power adapter，15VDC，2A	BC-105211	1

Specifications

Model	BIM-6214
Wavelength Range	400 nm-2500 nm
Lamp Power	0-20W Continuously Tunable
Power Supply	15VDC, 2A
Cooling	Fan
Tungsten Lamp Lifetime	2000hours (typical value)
Size	Φ72mm×115mm

Typical Spectrum



Tungsten light source output spectrum. Measured with a 350-1050nm, resoultion 1nm spectrometer.

Dimensions (mm)