

# Low Pressure Sodium Light Source

BIM-6251

Low-pressure sodium (LPS) lamp, a traditional standard light source, is known for its reliability and stability. It emits a distinct line spectrum at specific wavelengths, making it suitable for wavelength calibration in instruments such as monochromators and spectrophotometers. The sodium doublet (D-line) is particularly useful for checking monochromator resolution and other applications requiring line spectrum sources.



## Features

- Flexible and adjustable lamp shade
- Easy bulb installation and replacement
- Stable light emission
- Distinctive characteristic wavelengths

## Applications

- Wavelength calibration: For spectrophotometers, monochromators, and other spectral instruments.
- Optical testing light source: Suitable for interferometers, refractometers, and precision optical measurements.
- Optical resolution verification

## What's included

| # | Part Description                 | Model     | Qty. |
|---|----------------------------------|-----------|------|
| 1 | Low-pressure Sodium Light Source | BIM-6251  | 1    |
| 2 | Power cord                       | BC-105075 | 1    |

## Specifications

| Model                     | BIM-6251                      |
|---------------------------|-------------------------------|
| Characteristic spectrum   | 589nm,589.6nm                 |
| Optical Coupling Mode     | Free-space light output       |
| Output Power              | 20W                           |
| Power Supply              | 220 VAC                       |
| Lamp Type                 | Sodium lamp                   |
| Replacement Method        | Designed for easy replacement |
| Sodium Lamp Lifetime      | 200 hours                     |
| Light Source Housing Size | 60*60*216mm                   |
| Base Size                 | Φ150mm                        |
| Power supply size         | 190x120x65mm                  |

## Dimensions (mm)

