Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Sodium Spectral Lamp

Product Code :

SLE/PHY/295



Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Sodium Spectral Lamp (Product Code: SLE/PHY/295) is a discharge lamp used to produce the characteristic yellow sodium light for optics experiments in college and school physics laboratories. It fits a spectral lamp power supply through a 4 pin base and measures 30 mm in diameter and 140 mm in length. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as part of its optics lab equipment range for India and international markets.

Specifications

Parameter	Detail
Lamp type	Sodium spectral lamp
Base connection	4 pin
Diameter	30 mm
Length	140 mm
Operation	For use with a spectral lamp power supply
Product code	SLE/PHY/295
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Sodium Lamp Used For?

Sodium light is dominated by the closely spaced yellow D lines, which makes it the standard near-monochromatic source for undergraduate optics. With a spectrometer and a diffraction grating, students measure the grating element or the wavelength of the D lines; with a prism they find the refractive index at a known wavelength. The same lamp illuminates Newton’s rings, Fresnel biprism and air-wedge experiments, where a single dominant colour gives sharp, countable fringes.

A sodium discharge lamp needs a few minutes after switching on before it reaches full, steady brightness, so start it before the class begins. Let it cool completely before removing it from the holder, handle it by the base rather than the glass, and keep the envelope free of fingerprints. Store a spare lamp in its packing so an experiment is not held up when a lamp reaches the end of its life.

What to Specify When Ordering

- Number of Sodium Spectral Lamp units, including spares.
- The make or model of your spectral lamp power supply, so we can confirm it takes a 4 pin lamp of this size.
- Whether a new spectral lamp power supply with lamp holder is needed as well.

Supplier

Scien…na, India, spect…e lamp…