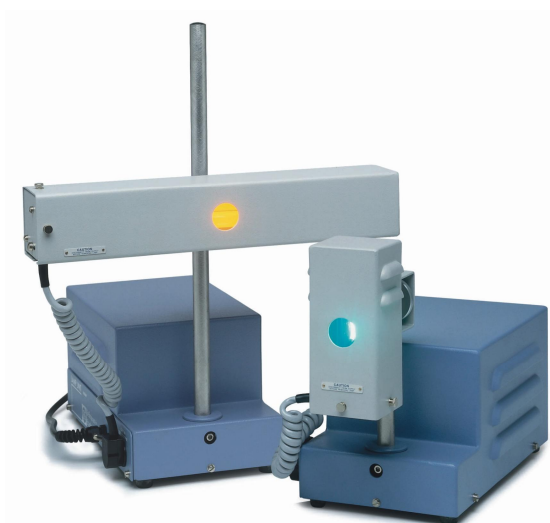


# Accessories – Spectral Sources



## For use with Bellingham+Stanley Refractometers and Polarimeters

Measurements of refractive index and optical rotation are made using light of a specific wavelength and for this purpose monochromatic light sources are required. For many applications the mean sodium D line (589.3nm) is the standard source and, if filtered white light is not suitable, a Sodium Lamp Outfit is required.

A Spectral Lamp Outfit fitted with the appropriate bulb can be used to provide a number of alternative wavelengths.

### Sodium Lamp Outfit

The horizontally mounted sodium discharge tube is housed in and shielded by a metal enclosure which, for height adjustment, slides on a vertical post attached to the transformer casing. The lamp has a working life in excess of 3,000 hours and is illustrated on the left side of the picture.

### Spectral Lamp Outfit

The Spectral Lamp Outfit (as illustrated on the right of the picture) can be used in conjunction with a number of interchangeable bulbs to provide a selection of spectral sources: sodium, mercury, cadmium and helium. The lamps are mounted cap down in a metal housing/shield which slides on a vertical post for height adjustment. The supporting post is fixed to the transformer housing.

**Interference Filters** may be used to define specific spectral lines emitted from spectral lamps when used with Abbe Refractometers. Details are available on request.



### Sodium Lamp Outfit (35 watt)

35w Sodium Lamp Outfit	230V ~ ±10%, 50/60Hz	Free Standing	Code 59-01
35w Sodium Lamp Outfit	110V ~ ±10%, 50/60Hz	Free Standing	Code 59-06
Spare Lamp for Sodium Outfit			Code 59-50

### Spectral Lamp Outfit Free standing unit, excluding lamp:

230V ~ ±10%, 50/60Hz	Code 59-20
110V ~ ±10%, 50/60Hz	Code 59-25

### Interchangeable Lamps for Spectral Lamp Outfit

Sodium	Code 59-31
Mercury	Code 59-33
Cadmium	Code 59-37
Helium	Code 59-39
Spare Lamp Housing and Cable	Code 59-156



Bellingham + Stanley Ltd. operates a Quality Management System complying with BS EN ISO 9001:2000 (Certificate No. LRQ 0963791)



These products comply with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC

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