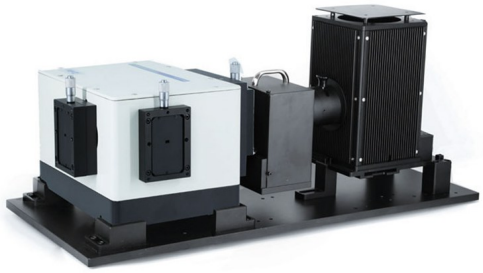
TLS Tunable Monochromatic Light Source, Output from 200 nm, Pre-Aligned System

Model TLS Series · waveqvanta.com/products/tls-tunable-monochromatic-light-source

Pre-aligned lamp-and-monochromator system delivering tunable monochromatic light from 200 nm.



The TLS tunable light sources are pre-assembled, pre-aligned illumination systems that combine a lamp light source with a monochromator to output monochromatic light from 200 nm. Supplied as a plug-and-play system with control software, they offer the flexibility of modular components with the convenience of an integrated instrument.

Key features

- Monochromatic output from 200 nm
- Pre-aligned, pre-assembled lamp and monochromator, plug-and-play with control software
- High stability, repeatability and resolution with low stray light
- Provision for mounting an optical chopper
- Manually adjustable bandwidth, specified at 435.8 nm
- Versions with gratings (-G) or without gratings (-N); other gratings optional
- Accessories: BFC series fiber adapters, collimated light adapter and integrating spheres (gold-coated -IR versions)

Specifications

Output	Tunable monochromatic light from 200 nm
Configuration	Lamp light source and monochromator, pre-aligned and pre-assembled
Bandwidth Adjustment	Manual
Bandwidth Reference Wavelength	435.8 nm
Gratings	Included in -G versions; not included in -N versions; other gratings optional
Chopper	Chopper holder provided
Control	Control software included
Fiber Adapter BFC-447	XY adjustable, for 10 mm and 13 mm fiber bundles and SMA905 terminated fibers
Other Accessories	Collimated light adapter; integrating spheres, standard or gold-coated (-IR)

Typical applications

- Photoelectrochemistry (PEC) measurement
- Transmission, absorption and reflection measurement
- Solar cell quantum efficiency measurement
- Excitation source for fluorescence spectroscopy
- Surface photovoltage and detector spectral responsivity tests
- Spectral transmittance of optical lenses and eye-protection products