

LSD30T75 / LST75SiN40 / LSH-DT05

Composite Broadband Sources

Complementary emitters combined in one source format. Bench versions switch between two lamps with a motorised mirror; the compact deuterium-tungsten version provides an SMA905 fibre interface for UV-visible-NIR spectroscopy.

Best suited to: Experiments needing complementary emitter spectra without rebuilding the illumination path.



Configuration

Choose the bench source for monochromator coupling or the compact fibre source for a fibre spectrometer. Coverage and switching behaviour depend on the selected assembly.

Specifications

Published parameters	
LSH-DT05 spectral range	200–1100 nm
LSH-DT05 light aperture	0.5 mm
LSH-DT05 stability	0.5%
LSH-DT05 input	12 V DC / 1 A
LSH-DT05 dimensions	180 × 125 × 51 mm

Composite source formats

Model	Emitter combination	Output format
LSD30T75	30 W deuterium + 75 W tungsten	Bench source; switching mirror
LST75SiN40	75 W tungsten + 40 W SiN	Bench source; switching mirror
LSH-DT05	Deuterium + tungsten	Compact SMA905 fibre source

Measurement features

- Motorised source-selection mirror in the bench assemblies.
- Adjustable 130-165 mm optical-axis height on bench sources.
- LSH-DT05 offers a manual / TTL shutter and SMA905 output.

Configuration note

The 200-1100 nm range and compact-source specifications refer to LSH-DT05 only. They are not transferred to the two bench assemblies.

Full configuration: www.precisometer.com/spectroscopy/light-sources/composite