

GLORIA / TLS source accessories

Source Coupling, Filters & Output Accessories

A reviewed accessory range for GLORIA lamp sources and TLS monochromatic systems. Configure sealed light paths, filter holders, beam control, fibre coupling and integrating-sphere output as one optical path.

1. Compatible source

2. Filter, adapter & beam control

3. Fibre / sphere / free space

Best suited to

Connecting a compatible source to a monochromator, fibre, sphere or free-space experiment.

Configuration

Specify the source, monochromator slit type, beam height, wavelength interval and output geometry. Mechanical fit alone does not establish spectral or thermal suitability.

Specifications

Published parameters	
GLORIA accessory interface	59 mm mechanical interface; 46 mm clear aperture
LMI50 iris	Manual 2–50 mm aperture
LFM2-50 filter format	50 / 50.8 mm round or square; up to 10 mm thickness
FCM fibre options	Glass or quartz; SMA905 version available
TLS-F compatibility	Source adapters for compatible manual-slit monochromators

Integrating-sphere output formats

Sphere uniformity above 98% was measured with a specific TLS3-X150A configuration at 555 nm; it is not a universal specification for every source and wavelength.

Model	Sphere diameter	Port diameter
IS-050-14T	50 mm	14 mm
IS-100-25	100 mm	25 mm
IS-150-38	150 mm	38 mm
IS-200-50	200 mm	50 mm

Measurement features

- LHP150 and TLS-F adapters for compatible source-to-monochromator paths.
- LFM filter holders, LMI50 iris and LBT46 right-angle beam turning.
- Glass / quartz fibre coupling and four integrating-sphere diameters.

Configuration note

A heat filter is required when using LMI50 with sources of 200 W or more.

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