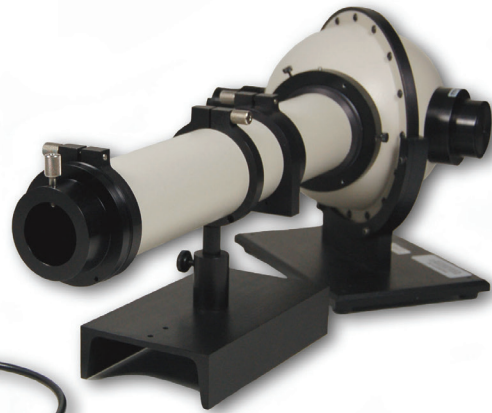


OL SERIES 771

The OL 771 is a high performance, portable spectroradiometric LED test and measurement system with powerful, user-friendly software. Fast and accurate, the OL 771 is part of the most comprehensive line of LED test and measurement solutions!

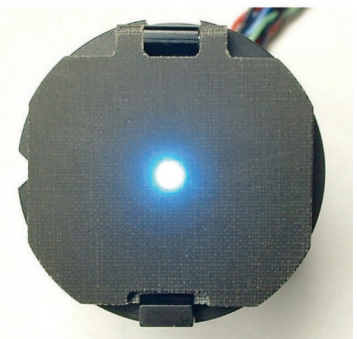


Design Features



- Convenient USB interface
- 25+ spectral scans/ second
- Compliant with CIE 127 guidelines with accessories for various collection geometries:
 - Averaged intensity in Conditions A & B
 - Total luminous & spectral flux
 - Goniometric profiling
- Low stray light performance
- High spectral resolution
- High dynamic range
- 0.5 nm wavelength accuracy
- Research-grade precision
- Compact, lightweight portable enclosure
- Rugged fiber optic interface with strain relief and self-centering adapter

The OL 771 High Speed HB-LED Measurement System is optimized to perform all critical measurements of LEDs, LED clusters, LED chips, and more. Specifically designed for fast spectroradiometric measurement of high-brightness LEDs, the system provides the necessary accuracy to characterize components for R&D purposes, while being economical and compact enough to perform rapid QC checks on the production floor.

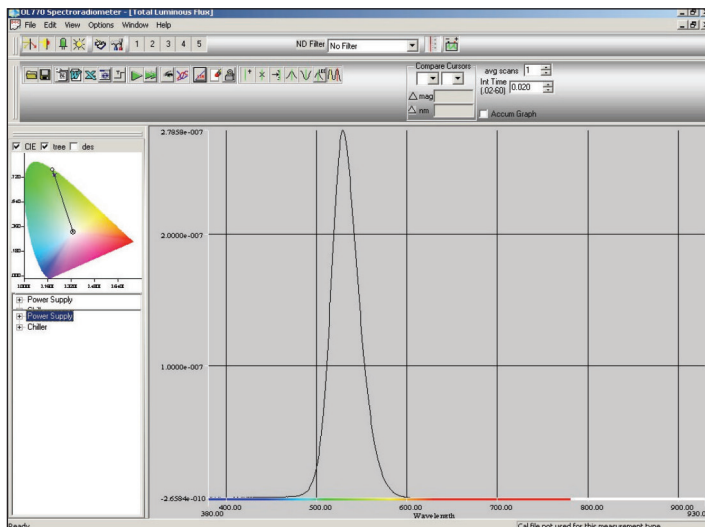


Software Features



The OL 771 Application Software is highly intuitive. It shares the convenient, well-proven OL 770 software platform. The OL 771's software allows for turnkey automated operation while providing the user with easy and complete access to the system's full power and capabilities.

- Windows XP/2000® platform
- Real-time graphics utility
- Custom report templates
- MS Excel and Word-compatible direct reporting
- Display, log, and store resultant data
- Comparison cursors
- Cursor snap to peak/ valley
- Value Monitor for real time pass/fail display of any calculated values
- Software triggering for data acquisition
- Dominant wavelength
- Peak wavelength
- Spectral bandwidth (*FWHM*)
- Spectral purity
- Power
- Color Temperature
- Color rendering index
- Total luminous flux
- Averaged LED intensity
- Tristimulus – 2° XYZ, 10° XYZ
- 1931 Chromaticity – 2° xyz, 10° xyz
- 1960 Chromaticity – 2° uv, 10° uv
- 1976 Chromaticity – 2° u'v', 10° u'v'
- Lab Luv – Illuminants A, B, C, D65; 2° Lab Luv, 10° Lab Luv
- Intensity profile polar plots (w/ OL 700-30)
- High-resolution CIE plots with accumulating coordinates, zooming, and dominant wavelength tracking
- Accumulation graphs for time studies
- LabVIEW example utilizing ActiveX control
- Optional ActiveX™ Control Software Development Kit



OL 771 SPECTRORADIOMETER SPECIFICATIONS

Wavelength Range (<i>Standard</i>)	380 – 780 nm
Wavelength Accuracy	± 0.5 nm
Optical Bandwidth (<i>w/ 100 micron slit</i>)	2.0 nm
Spectral Resolution	≈ 0.4 nm
Optical Focus Length	140 mm
Optical Input	Fiber Optic
Optical Aperture	f/2
Operating Temperature	0 to 30°C
Operating Humidity	0 to 90% (<i>Non-condensing</i>)
Detector Technology	Photodiode Array
Integration Time	20 ms – 60 s
Dimensions	7¼" W x 13½" H x 13" D (18.4 cm x 33.6 cm x 33.0 cm)
Weight	21.0 lbs (9.5 kg)

For more information visit OptronicLabs.com
or contact Info@OptronicLabs.com

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LABORATORIES

Data sheet: B219 Dec 2020 | Rev A

As part of our policy of continuous product improvement, we reserve the right to change specifications at any time.