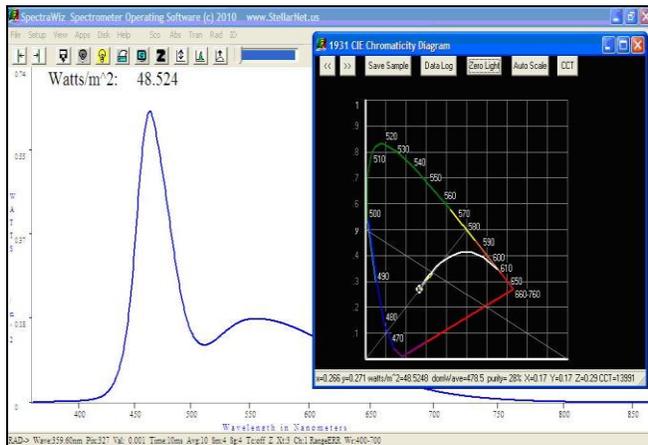
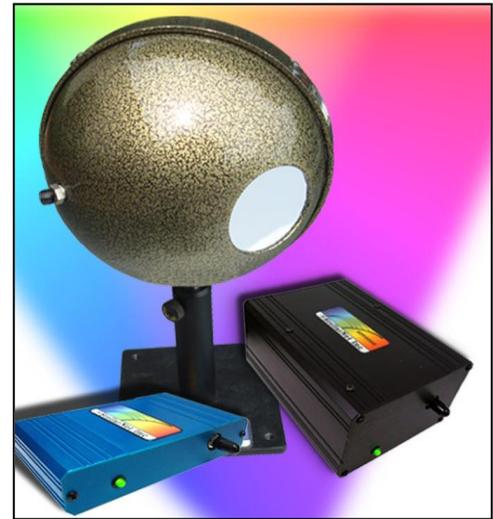


LED Measurement Systems

➤ NIST Calibrated LED Metrology

- Reliably measure LED output in **Lumens** (*Luminous Flux*), **Watts** (*Radiant Flux*), **watts/m²**, **microwatts/cm²**, **lumens/m²**, **moles per second**, **PAR**, **Footcandles**, **mcd**, **CRI** and the new **CQS**
- Real-time 1931 CIE Chromaticity diagram for **xy chromaticity**, **Dominant Wavelength**, **Purity**, and **Correlated Color Temperature (CCT)**
- **NIST Traceable** Irradiance Calibration service. Also, calibration lamps available for customer's calibration using free SpectraWiz software
- Spectrometer configurations available to cover the extended 200-1700nm range



➤ Miniature Spectrometer Systems

- Systems include a miniature spectrometer, a fiber optic cable (or direct attachment), a light collecting accessory, and an irradiance calibration.
- Low cost - Ruggedized high performance
- Shock-proof - Permanently aligned
- Simple USB2 interface to Netbook & PC's
- Most system can be calibrated and shipped within 1 week after receipt of order
- 2"-12" Integrating Sphere Options
- Perfect for lab, process, or field applications

Item	Description
	SpectroRadiometers with SpectraWiz software for LED and light measurements
BLUE-Wave-VIS	Smallest SpectroRadiometer 16bit, USB2 interface, 50um slit, VIS model for 350-1100nm
BLACK-Comet	SpectroRadiometer 16bit, USB2 interface, choose model "C"200-850nm or "CXR"280-900nm
BLACK-Comet-SR	"Super Range" SpectroRadiometer 16bit, USB2, choose "C"200-1080nm or "CXR"220-1100nm
DS-InGaAs-512	SpectroRadiometer for NIR 900-1700nm, connects with VIS range units for extended coverage
	Fiber Optic Accessories
CR2	1/4" Miniature cosine receptor attaches to fiber tip or can be direct attached via SMA-coupler \$35
CR2-AP	Aperture mounts on CR2 for 10x brighter LEDs –equivalent to 10%T corrected by SpectraWiz
IC2	2" Miniature Integrating Sphere provides accurate LED xy-chromaticity color measurements
IS6	6" Integrating Sphere with SMA905 fiber optic interface and 2.0" light receptor input port
IS12	12" Integrating Sphere with SMA905 fiber optic interface, open to insert LED bulb or arrays, includes internal calibration lamp for lumen flux and post fixture for sample mount.
Tripod	Miniature Tripod for Integrating Light Sphere or CR2 cosine receptor
F600-VISNIR	Fiber optic cable sends signal from light receptor to Spectrometer (add \$30 for UV-SR fiber)
	NIST-Traceable Irradiance Calibrations (add \$125 for traceable calibration document)
IRRAD-CAL-UV	UV Irradiance calibration for 200-600nm range in Watts/m ² /nm
IRRAD-CAL	VIS or NIR Irradiance calibration for 300-1100nm or 900-1700nm range in Watts/m ² /nm
RAD-CAL	Radiant power calibration (flux) in Watts/nm and Lumen/nm (for LEDs) 300-1100nm
RAD-SRCAL	Radiance calibration in Watts/sr/m ² /nm can measure Cd/m ² /nm - requires CR-LENS for CR2