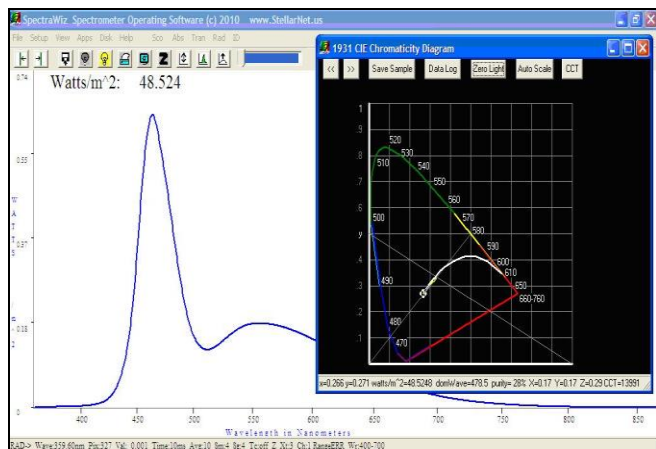
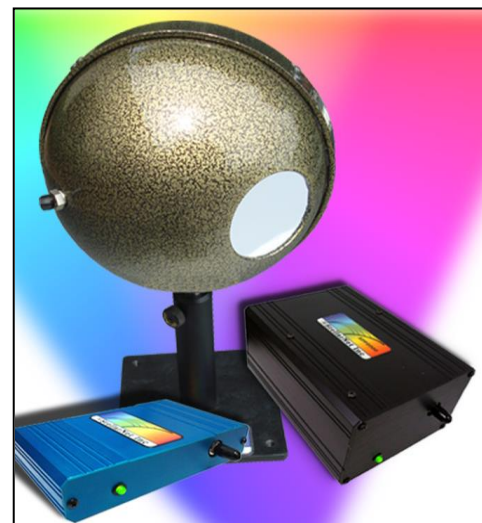


LED Measurement Systems

➤ 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	Price
SpectroRadiometers with SpectraWiz software for LED and light measurements		
BLUE-Wave-VIS	Smallest SpectroRadiometer 16bit, USB2 interface, 50um slit, VIS model for 350-1100nm	\$2700
BLACK-Comet	SpectroRadiometer 16bit, USB2 interface, choose model "C"200-850nm or "CXr"280-900nm	\$2950
BLACK-Comet-SR	"Super Range" SpectroRadiometer 16bit, USB2, choose "C"200-1080nm or "CXr"220-1100nm	\$3495
RED-Wave-NIR	SpectroRadiometer for NIR 900-1700nm, connects with VIS range units for extended coverage	\$13,125
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	\$165
IC2	2" Miniature Integrating Sphere provides accurate LED xy-chromaticity color measurements	\$495
IS6	6" Integrating Sphere with SMA905 fiber optic interface and 2.0" light receptor input port	\$1745
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.	\$3495
TP1	Miniature Tripod for Integrating Light Sphere or CR2 cosine receptor	\$65
F600-VISNIR	Fiber optic cable sends signal from light receptor to Spectrometer (add \$55 for UV-SR fiber)	\$160
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	\$250
IRRAD-CAL	VIS or NIR Irradiance calibration for 300-1100nm or 900-1700nm range in Watts/m ² /nm	\$250
RAD-CAL	Radiant power calibration (flux) in Watts/nm and Lumen/nm (for LEDs) 300-1100nm	\$250
RAD-SRCAL	Radiance calibration in Watts/sr/m ² /nm can measure Cd/m ² /nm - requires CR-LENS for CR2	\$250