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**Press
Contact**

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Upgrade LED and Light Source Characterization Capabilities with New Packages from Labsphere

New equipment in Starter and Choice Packages provides complete, flexible light measurement.

North Sutton, New Hampshire (May 08, 2007) – To satisfy a wide range of light test needs, Labsphere Inc, a world leader in the design and manufacturer of light measurement solutions, has released new packages for LED and light source characterization. The Starter and Choice packages incorporate new components including spectrometers, intensity heads, a calibration lamp standard, an LED Spatial Analyzer, a spectral irradiance receiver and the new LightX software platform. The new packages offer accurate calibration and fast measurements tailored to user needs for research, development and production.

For complete spectroradiometric, photometric and colorimetric characterization of small to large light sources, the packages' new highly sensitive CDS 1100 and CDS 2100 CCD array spectrometers provide a choice of broad spectral ranges in the UV-VIS-NIR. The electrically cooled, back-thinned illuminated CCD design offers low noise with a high dynamic range.

Multiple options are available to expand spectrometer performance. The I 1000 and I 2000 can be added for repeatable and reproducible measurements of LED average spectral intensity. To measure spectral irradiance, the E 1000 optical head can be paired with a Labsphere spectrometer for accurate one-touch measurement. With the IES 1000 calibration lamp standard both intensity and irradiance heads can be calibrated on-site to NIST traceability standards by end users. The rugged tungsten halogen based point source calibration standard has a rated life of 2000 hours.

For spatial characterization of LEDs, the LSA 3000 automated goniospectrometer is available as part of the new packages. It performs accurate LED measurements from narrow-angled to broad distribution, as well as allowing for the measurement of relative intensity plot versus angle.

Package components are tied together and controlled with Labsphere's Windows-XP® and Vista® compliant software, LightX. The software installs quickly, with intuitive calibration and user-friendly interfaces that facilitate use by both engineering staff and production floor operators.

Labsphere, continued

All Labsphere package components feature a compact, ergonomic design and transition easily from research to production. Starter and Choice packages are available for broad applications, or individual components may be selected with the help of Labsphere's application sales team to build an application specific package.

For more information on the Starter and Choice packages, and their components, visit www.labsphere.com, or phone +1 (603) 927-4266.

Part of the global Halma group of technology companies, Labsphere is a strong worldwide presence in light testing and measurement, and optical coatings. The company's products include LED, laser and traditional light source light measurement systems; uniform light sources for imaging device calibration; spectroscopy accessories; and high diffuse reflectance materials and coatings for applications in backlit panel displays, computed radiography, and system calibration. Their expertise has resulted in multiple patents in areas such as methods for testing LEDs on a wafer and UV transmittance.

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