



LED Test and Measurement

1/23/2006: LED Test and Measurement by Greg McKee

The New England Chapter of the SPIE and the IEEE Boston Chapters LEOS kicked off 2006 with a technical meeting dealing with Solid State Lighting. The technical meeting was hosted by Labsphere on January 10th, 2006 at the Lowell Brewery House in Lowell, MA. The speaker for the evening was Greg McKee of Labsphere; the title of his talk was:

“Optical Testing Methodologies for characterization of High Brightness LEDs”

The talk provided participants with a working knowledge of the optical properties of LEDs and how to measure them correctly. The discussion concentrated on parameters of interest and identifying areas that can lead to large measurement errors. Practical examples were covered, including actual measurements of packaged LEDs and solid state lighting assemblies. As a result the participants are better able to identify and address critical variables that lead to reliable measurements.

About Labsphere:

Labsphere celebrates 25 years as the leader in innovative light measurement technology. Products include uniform light sources to calibrate imaging devices and camera systems in the visible and IR; light measurement systems for lasers, LEDs, and traditional light sources; and reflectance standards for calibrating spectroscopic measurement systems. Labsphere also provides systems and components to OEMs in numerous industries, including spectroscopy, laser diode test and measurement, semiconductor, and medical.

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