

# Photometry Institute

**E**valuation methods and testing requirements for light-emitting diode (LED) and solid-state lighting products are rapidly changing as new standards, metrics, and labeling programs become available to the lighting industry. As a result, the Lighting Research Center (LRC) has developed a new professional lighting seminar, the Photometry Institute. This three-day, interactive course is designed to build the knowledge and skills needed to establish and conduct photometric testing and evaluation of a wide range of lighting products and systems.

This practical course is geared toward engineers, technicians, managers, testing personnel, and product designers who want to learn more about photometric, colorimetric, and related evaluation of lighting products and prototypes, including the latest requirements for testing LED and traditional lighting products.

The course includes lectures, equipment demonstrations, and laboratory exercises guided by the LRC's expert faculty and staff. The hands-on lessons take place in the LRC's extensive photometric laboratories, including its NVLAP (National Voluntary Laboratory Accreditation Program)-accredited photometric laboratory (NVLAP lab code: 200480-0).



## Participant benefits:

- Learn terminology and concepts used in lighting measurement and product evaluation;
- Understand testing requirements for labeling programs such as ENERGY STAR®, Lighting Facts, and others;
- Learn about operation of various types of measurement equipment;
- Discover best practices and protocols for photometric laboratories;
- Learn about LED and solid-state lighting testing requirements and evaluation methods;
- Learn how to perform standard photometric and colorimetric measurements and calculations;
- Discover ways for a company to inexpensively assemble photometric testing capabilities in-house; and
- Earn a continuing education certificate in photometry.



## Sponsors

New York State Energy Research and Development Authority (NYSERDA)

Alliance for Solid-State Illumination Systems and Technologies (ASSIST)



Lighting  
Research Center