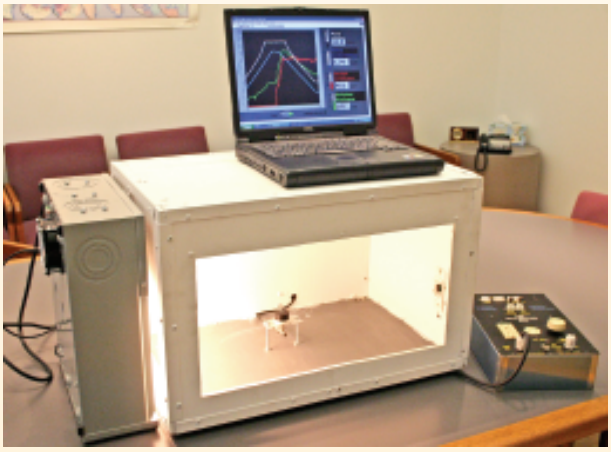
Daylighting Controls Practicum

Daylight harvesting systems offer tremendous potential for reducing the energy consumption of electric lighting. However, the correct selection, location, installation, and calibration of daylighting controls remain a barrier to the effective use of daylighting.

How should daylight switching and daylight dimming systems operate? Where are the best locations for photosensors? What is the difference between a closed-loop and an open-loop control system? To help lighting specifiers answer these questions and others, the LRC developed and implemented the Daylighting Controls Practicum. This hands-on, comprehensive training program is designed to teach lighting decision-makers about:

- Daylighting control strategies
- Successful daylight control system design
- Technical data requirements for proper selection, location, and installation of daylighting controls
- Effective commissioning of control systems



Daylighting controls simulator

Practicum participants learn from LRC experts about daylighting control techniques.

Daylighting training and teaching tools

Thirteen lighting professionals from around the country gathered at the LRC to experience and learn to facilitate the Daylighting Controls Practicum. LRC staff focused its instruction on the design, selection, and commissioning of today's daylighting control systems.

Researchers at the LRC also developed the daylighting controls simulator, a teaching tool designed to demonstrate the interaction between daylight and the major components of a daylighting control system—photocell, controller, ballast and power supply.

The daylighting practicum participants now offer the course to their customers at various sites around the country.

Participants receive hands-on training.

Sponsor

Daylight Dividends:
California Energy Commission, Connecticut Light and Power Company, Iowa Energy Center, Lighting Research Center, New York State Energy Research and Development Authority, North Carolina Daylighting Consortium, Northwest Energy Efficiency Alliance, U. S. Department of Energy

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Lighting Research Center, Rensselaer Polytechnic Institute • 21 Union Street • Troy, NY 12180 • (518) 687-7100 • www.lrc.rpi.edu