

2010 DOE SOLID-STATE LIGHTING MARKET INTRODUCTION WORKSHOP

July 21–22, 2010
Hyatt Regency Penn's Landing • Philadelphia, PA

Workshop Agenda

DAY 1—Wednesday, July 21

7:00 a.m.	<i>Registration and Continental Breakfast</i>
8:00 a.m.	Welcome & Introduction <i>James Brodrick, U.S. Department of Energy</i>
8:30 a.m.	Get Ready: A Decade of Change A look at the current LED replacement lamp market, where it's headed, and what we need to do to prepare for a game-changing decade. <i>James Brodrick, U.S. Department of Energy, Moderator</i> <i>Jason West, D&R International</i> <i>Hampton Newsome, U.S. Federal Trade Commission</i> <i>Shana Cockerham, D&R International</i> <i>Bill Hamilton, The Home Depot</i>
10:00 a.m.	<i>Break</i>
10:30 a.m.	Getting Started: Strategies for Implementing LED Lighting Programs LED lighting incentives and programs are starting to emerge. Learn about strategies and best practices for implementing LED lighting programs without getting burned. <i>Ed Schmidt, Northeast Energy Efficiency Partnerships, Moderator</i> <i>Margaret Song, Cape Light Compact</i> <i>Sarah Eckstein, Northeast Energy Efficiency Partnerships</i> <i>Gabe Arnold, Efficiency Vermont</i>
12:00 p.m.	<i>Lunch</i>
1:00 p.m.	Reliability, Dimming, and Other Performance Issues LM-79 and LM-80 provide an essential foundation of standards needed for LED products. Learn about the next wave of standards currently in development; a new guide with recommendations for testing and reporting luminaire lifetime, developed by a joint government-industry working group; and the status of dimming standards in development. <i>Eric Richman, Pacific Northwest National Laboratory, Moderator</i> <i>Fred Welsh, Radcliffe Advisors</i> <i>Howard Wolfman, Lumispec Consulting</i>
2:30 p.m.	<i>Break</i>

- 3:00 p.m. **Recognition for Lighting Facts Partners**
DOE shines a spotlight on a few select Lighting Facts^{CM} manufacturer, retailer, and professional partners who have demonstrated the value of integrating Lighting Facts into their LED product selection process.
James Brodrick, U.S. Department of Energy
- 3:30 p.m. **Lessons from the Field**
Lessons from real-world applications continually expand our knowledge of LED technology and related issues—from product design and installation issues to dimming, flicker, and lifetime. This panel will share recent installation experiences and set the stage for more in-depth topic discussions tomorrow.
Bruce Kinzey, Pacific Northwest National Laboratory, Moderator
Harry Hobbs, IHG Intercontinental San Francisco
Ed Ebrahimian, City of Los Angeles
Frank Florentine, Frank Florentine Lighting Design
- 5:00–7:00 p.m. **Reception**
Sponsored by Connecticut Energy Efficiency Fund

DAY 2—Thursday, July 22

7:00 a.m. *Registration and Continental Breakfast*

8:00 a.m. **SSL in Higher Education**

College campuses are microcosms of varied building types, owned and maintained by a client that cares about image, sustainability, functionality, durability, and the bottom line. This panel will summarize the lighting needs in higher education, what problems have been encountered with SSL products, and what industry and campuses can do to respond to those issues.

Naomi Miller, Pacific Northwest National Laboratory, Moderator

Jean Stark, JMZ Architects and Planners

Sandra Stashik, Grenald Waldron Associates

10:00 a.m. *Break*

10:30 a.m. **Light at Night: The Latest Science**

Discussions about possible health implications of exposure to light at night run the gamut, but given the available research, should any changes be made to currently recommended lighting practices? A panel of leading experts explore what today's science can tell us about light at night.

Jason Tuenge, Pacific Northwest National Laboratory, Moderator

Ronald Gibbons, Virginia Tech Transportation Institute

George Brainard, Thomas Jefferson University

Mariana Figueiro, Rensselaer Polytechnic Institute

12:00 p.m. *Lunch*

1:00 p.m. **Exploring Flicker and LEDs**

An IEEE committee is looking into LED flicker and its possible effects on health and visual comfort. Some experts are raising questions about whether AC LED flicker should be of concern. This panel will report on a number of investigations into these issues.

Michael Poplawski, Pacific Northwest National Laboratory, Moderator

Jennifer Veitch, NRC Institute for Research in Construction

Kevin Willmorth, Lumenique

Brad Lehman, Northeastern University

2:30 p.m. *Break*

3:00 p.m. **SSL Technology: A Look Ahead**

SSL technology continues to change rapidly, not only in terms of performance and cost, but also in terms of new lighting product form factors. In addition, SSL technology is enabling new approaches to lighting systems. This panel will explore where LED performance is projected to head, what new lighting product form factors are emerging, and how the emergence of SSL is enabling companies to think quite differently about how lighting is delivered as a system.

Marc Ledbetter, Pacific Northwest National Laboratory, Moderator

Makarand "Chips" Chipalkatti, OSRAM Sylvania

Jeremy Stieglitz, Redwood Systems

Karen Lee, EMerge Alliance

4:30 p.m. **Wrap-Up and Adjourn**