



LUMEN INSIGHTS™

2011 • Issue January/February

2 Global LED Roadshows

3 LTL Earns ISA Accreditation

4 Next Generation Luminaire Design Competition



UL and California Energy Commission Title 24

By Shari Hunter/Lighting Manager; Lee Hewitt/Primary Engineer

UL and UL Environment, working with the California Energy Commission (CEC) and sign industry representatives, have developed a program to assist sign manufacturers demonstrate compliance with the energy conservation requirements within Title 24, of the California Energy Commission's Building Energy Efficiency Standards.

The CEC adopted sign lighting regulations on January 1, 2010. The requirements for signs can be found in the 2008 Building Energy Efficiency Standards, Title 24, Part 6, Section 148 of the California Code of Regulations.

The published sign lighting standards address both indoor and outdoor signs, and include mandatory automatic control requirements for all illuminated signs. In addition, the standards set limits on installed lighting power for internally and externally illuminated signs.

continued on page 4



A Letter from Alberto



Happy New Year and welcome to the first edition of 2011. As lighting technology continues to evolve, so does UL. In addition

to product safety certification, we also provide industry leading performance testing, environmental programs and robust training initiatives.

We hosted a webinar on ENERGY STAR® with LEDs Magazine in December.

We'd also welcome our new and fast growing customers to attend one of several LED Roadshows.. They are a low-cost way to get up to speed on submitting your LED lighting product to UL for product safety and energy efficiency testing. You are also welcome to bring in one of your products for a free review with one of our engineers. Space is limited so sign up today.

We're looking forward to working more closely with you in 2011, and would welcome you to continue to provide your feedback and suggestions — we're listening and ready to help.

Kind Regards,

Alberto Uggetti

VP and GM Global Lighting



LED Lighting Roadshow Strategies for Safety and ENERGY STAR®

By **Matthew Sallee**/Global SSL Business Manager

Spend a day with UL experts, learning about global trends, best practices to leverage energy efficiency and ENERGY STAR®, a comprehensive update on UL standards, and strategies to streamline your UL submittal process. Also, we are pleased to have preliminary technical reviews for 1 hour consultations on your LED/SSL product — so you can bring in your sample for a free consultation (a limited number of spots are available, please sign up today).

Objectives:

- Discover global trends in LED and Solid State Lighting.
- Learn from industry experts how to maximize your revenue with Energy Efficiency and ENERGY STAR® program.
- Get the latest information on UL's LED safety standards — UL8750.
- Strategies on ways to streamline the UL submittal process and speed your time to market .

Event Dates and Locations

San Jose, California (2/22)

Brea, California (2/24)

Melville, New York (4/12)

Northbrook, Illinois (4/14)

Sign up at [UL University](#).

Watch for upcoming LED Roadshows in Asia and Europe later in 2011!



LTL Earns IAS accreditation

By Todd Straka / *Lighting Business Director*

Testing Laboratory TL-445 has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ANS/ISO/IEC Standard 17025:2005, General criteria for the competence of testing and calibration laboratories,

and has been accredited, commencing December 22, 2010, for the test methods listed in the approved scope of accreditation. Additionally, UL Taiwan earns EPA recognition for Residential Light Fixtures and Decorative Light Strings.

LEDs Magazine and UL Webcast

By Matthew Sallee / *Global SSL Business Manager*

In December UL and *LEDs Magazine* hosted an event on LED Lighting and ENERGY STAR®. It was recorded and available [here](#).

Effective January 1, 2011, the EPA will require that all new submissions from manufacturers participating in the ENERGY STAR® program be reviewed by a Certification Body (CB), and that qualification testing be performed under specific criteria. Product qualification requires testing to be performed at EPA-recognized facilities. First-party (manufacturer) facilities can have their test results accepted by the EPA as a part of an approved CB data acceptance program.



Underwriters Laboratories has earned approval as a Recognized Certification Body (CB) with multiple laboratories individually recognized to conduct testing, covering, but not limited to, the following lighting categories:

- Lamps (LED integral lamps, CFL self-ballasted lamps, etc).
 - Luminaires (commercial, industrial, residential, etc) .
 - Decorative lighting strings.
- Please access UL's lighting experts, as they discuss:
- ENERGY STAR® Evaluation and Verification Program Requirements.
 - Lab and Test Equipment needs for 2011 ENERGY STAR® Requirements.
 - Safety Certification and Energy Efficiency Evaluations — in your own lab.
 - Changes to IES LM-79, IES LM-80.
 - Strategies to leverage ENERGY STAR® in your global lighting business.
 - Real-time EPA specification updates and critical dates.

Are you Safety Smart? UL launches safety website for children, ULsafetysmart.com

By Barbara Guthrie /
UL VP of Consumer Affairs

Designed from a child's point of view, the e-community site allows children to play interactive games, get the latest in educational safety news, and post their own videos and photos. As part of UL's Safety Smart Club, they can become Safety Wizards by pledging to help protect their friends and family by teaching them how to be safe.

"We are very proud to provide the latest safety education tools to help children make more informed safety choices today and in the future," Barbara Guthrie, UL's vice president of Consumer Affairs. "As part of our ongoing Safety Smart program, this site makes learning about public health, safety and environmental stewardship easier and more fun than ever."

UL is committed to advancing safety awareness and communicating its importance to children, parents, caregivers, and teachers to promote safety worldwide.





UL and California Energy Commission Title 24 (continued from cover)

There are two alternate methods to comply with the 2008 sign lighting standards:

- **Watts per square foot** — sets maximum power per sign area.
- **Specific Technology** — uses only energy efficient lighting technologies.

UL48 sign manufacturers now have the option to apply the UL environmental Mark to signs that demonstrate compliance to one of the lighting power alternatives

described above in lieu of having a licensed contractor perform the evaluation on each sign. The UL Safety Mark and the UL Energy Verified Mark will always appear together on signs covered under this new program.

UL will make this program available to all UL48 Electric Sign Listees starting January 3, 2011.

Manufacturers can apply for the program UL's Energy Efficiency Certification Program by calling UL-E's customer service personnel,

by sending an email or by visiting UL-E's online quote tool.

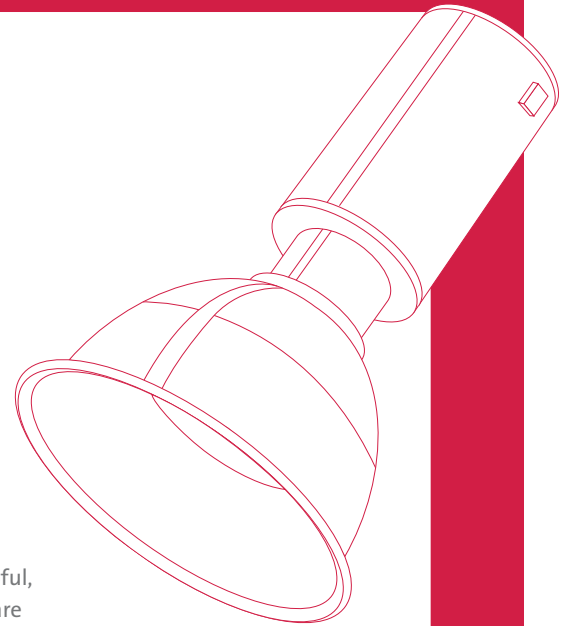
For more information, call 1.888.4UL.Green (1.888.485.4733), or email us at ulenvironment@ulenvironment.com.

Next Generation Luminaire Design Competition

By Shari Hunter/Lighting Manager

The third annual NGL design competition was once again held at UL's RTP office. The judging took place December 2-3, 2010. The judging panel consists of experts who design, specify, evaluate, research and promote commercial SSL luminaires. As host of the event, UL invited over 100 specifiers, buyers, utility managers and lighting designers to view the exhibits which are commercial, market ready LED luminaires. Categories include recessed, portable, architectural, street, pathway, accent, pendant, surface mount, landscape

and in-grade lighting. UL's lighting staff installed all 150+ fixtures, grouping them by categories to facilitate comparing similar products. The manufacture's identity is kept secret to the judging panel but the invited UL guests are granted access to that information. One local buyer from a major pharmaceutical company commented, "Your exhibit was very helpful, I've never had the opportunity to compare various fixtures side by side like this. I could have stayed for hours. Thanks again!"



Come See Us

February 22-24
Strategies in Light, Santa Clara, CA

Jan 19-21
LED/OLED Lighting Technology Fair
Tokyo, Japan

April 12-17
EUROLUCE, Milan, Italy

May 17-19
Lightfair, Philadelphia, PA

Q1 2011
UL LED Roadshows, North America

Q2 2011
UL LED Roadshows, Asia Pacific

Share Your Insights: Lumen.Insights@us.ul.com.

Join 'Lumen Insights': Mailing list at UL.com/lighting

Managing Editor: Matthew Sallee