

# AUSTIN IES SECTION NEWSLETTER



1/30/2010 Issue: 3-09

February meeting: Solid-State Lighting  
Technology Update

speaker: Jim Anderson, Director of  
Strategic Marketing

When: February 17, 2010

Where: Joe's Crabshack, Riverside Dr.

Time: 11:30- 1:00

Cost: \$23/non-members,  
\$18/members

Pay online at [www.tcsiesna.org](http://www.tcsiesna.org) (save \$  
and time paying online!)

- Presentation will include:
  - >The potential of SSL for illumination
  - >Current and Emerging Applications
  - >Initiatives Encouraging SSL
  - >Standards (developed and in-process)
  - >Demos of new ANSI binning

Certificates will be available at  
all monthly meeting for  
attendees needing learning  
units for self-reporting  
organizations!

## Jim's Bio:

With over 20 years of experience in the lighting industry, both at Philips Lighting and LED start-up companies, Jim Anderson currently is the Director of Strategic Marketing for Philips Solid State Lighting Solutions (formerly Color Kinetics) in Burlington, MA. Over his career, Jim has held various positions in product development, technology management, operations management and marketing, and has been focused on LED lighting for the past 5 years.

Jim has experience with LED-based lighting systems design and applications, and is active on various Solid State standards committees and industry associations. Jim has presented at numerous conferences and forums in North America and Europe, including LightFair International, LEDs, Light Congress and IES events. An active member of the Illuminating Engineering Society (IES), Jim holds a Bachelor of Science degree in Materials Science from the University of Pennsylvania and an M.B.A. from Kansas Wesleyan University.

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# Food for Thought-member contribution

From the Desk of Deborah Frankhouser,  
owner of four point LIGHTING DESIGN

## New LED Facts Label

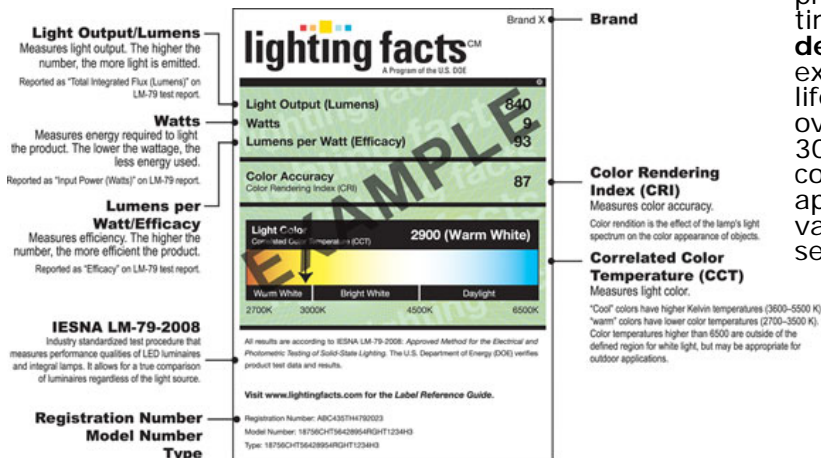
Many folks have asked me how to judge the quality of LED's when trying to pick a product. My recommendation has always been to stick to familiar high quality manufacturers as well as put your hands on each and every product you might be considering. Unfortunately, the market has been flooded with cheap and inferior products that are fun toys to play with, but are not appropriate for architectural applications.

To combat this issue, and encourage the specification and use of LED, the [Department of Energy](#) along with the [Next Generation Lighting Industry Alliance](#) has developed a new LED label for all LED products, ESPECIALLY those sold in consumer stores such as Home Depot. Participation by manufacturers is **VOLUNTARY!** It is NOT a standard at this point.

### Here are my four points to remember about the LED fact label:

- Stick with a **'Color Accuracy' or CRI of above 85**. CRI is a scale that goes from 1 to 100 with 1 being the worst, but anything lower than 85 will not be sufficient for any Architect or Interior Designer.
- **Lumen output** is nice and all, but it is not the whole picture. How that light is used (fixture efficiency) also matters. Ultimately, the only way to really determine whether you are getting enough lighting for a particular application is to use IES photometric files to run a model (using a program such as AGI 32) or by mocking it up and putting a light meter under it. General manufacturer's literature isn't always adequate and in some cases it can be wrong or worse, fictional. (Another reason to stick with reputable manufacturers.)
- **CCT or Correlated Color Temperature: LOWER = WARMER HIGHER = COOLER**. For reference, the standard A19 screw-in light bulb is around 2700K and most office fluorescents are either 3500k or 4100K.
- **LED lamp life:** Notice anything missing? For whatever reason, LED life is not included on the label and LED's are different from any other lamp type making it more confusing. They don't burn out - they fade. There are still plenty of people claiming their LED's last for 100,000 hours. However, what they don't tell you is how much light output the LED will lose over that period of time.

When you evaluate a potential LED product, make sure you ask about life time hours, but also ask for a **depreciation percentage**; for example, an LED product might have a life of 50,000 with 30% light reduction over time. Nothing greater than a 30% reduction should ever be considered in an architectural application and that seems to be the value most quality manufacturers are settling on.



# Reminder: FIATECH - 2010 Technology Conference & Showcase



- When: Monday, March 29, 2010 8:00am - Wednesday, March 31, 2010 8:00pm
- Where: AT&T Executive Education & Conference Center The University of Texas at Austin, 1900 University Avenue, Austin, TX 78705 USA
- Information: Visit our website: [www.fiatech.org](http://www.fiatech.org) or send me an e-mail: [bickford@fiatech.org](mailto:bickford@fiatech.org).

From Sharon Bickford: As Project Manager for FIATECH, it is my pleasure to extend to you an invitation to join us and participate in this innovative, 3-day Capital Projects industry event.

The theme for the conference is "Enhancing Capital Asset Value through Leading Technologies & Delivery Processes." During the conference we will share FIATECH's updated strategy for advancing technology and innovation developed at our fall 2009 Board and Roadmap Champions Meeting. I am confident that you will see new and innovative technologies that you haven't seen elsewhere as well as hear intellectual and business-driven presentations on technology and process implementations that you can use at your company.

We will also feature our Technology Showcase, where attendees can view the latest emerging technologies and network with technology and purchasing decision makers. ***If you are interested in exhibiting or sponsoring, please contact Tara Wilson at [twilson@eventsiagroup.com](mailto:twilson@eventsiagroup.com).***

