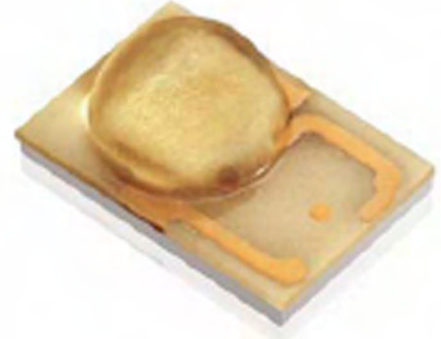




# "LED's - Are We There Yet?"

Jeff Kramer of Phillips Lighting will provide an update on the current state of solid state lighting. Topics covered will include:

- What are LED's?
- How do they work?
- What are their unique characteristics and benefits?
- What are the challenges and cautions for LED's?
- SSL testing standards
- SSL Energy Star Rating
- SSL "Lighting Facts"
- SSL Check List
- Applications



Jeff Kramer, LC is a technical support rep for Philips Lighting and has been with Philips since January 2008. He has had his lighting certification (LC) since 2005. Jeff is an active member of the Illuminating Engineering Society for over 15 years and serves on the board of the local Rocky Mountain section as the education chairperson. He has been in the lighting business for over 22 years. His focus has been energy efficient lighting solutions and he has extensive experience in a wide range of lighting applications. He has done numerous successful lighting retrofit projects and is an expert at applying new lighting technologies in effective ways.

## Wednesday, August 26th from 12 noon to 1pm

Please RSVP by Monday, August 24th to:  
Scott Wright - [scottw@wrightengr.com](mailto:scottw@wrightengr.com)

**Location:**

The Old Spaghetti Factory  
1418 N Central Avenue  
Phoenix, AZ  
(602) 257-0380

**IES members: \$20.00**

**Non-Members: \$25.00**

*(Lunch menu selections will be provided upon arrival)*

