

Western Lighting and Energy Controls Vendor Fair 2018

CEU Presentations Agenda

12:00 PM– 1:00 PM – Lutron Residential CEU “**What’s Good? Is Good Enough? Understanding LED Fixtures**”, Ricky Yslas

Overview:

Light affects the look and feel of every space, and by using flexible, energy-efficient LED light sources you can create comfortable, beautiful and dynamic lighting environments. But as LED technology continually adapts and improves, it can be difficult to stay on top of the latest innovations, and to make sure you’re getting the best performance.

You are probably familiar with color rendering, but what about TM-30, the new method for evaluating color rendition? And what’s the difference between tunable white, spectral tuning and warm dimming?

In this course, we’ll break this down and give you simple tips on how to effectively evaluate different LED light sources to offer your clients an enhanced lighting experience.

Learning Objectives:

At the end of this course, participants will:

- Understand light quality metrics
- Understand LED quality metrics
- Understand how to compare LED light sources
- Understand different approaches to light mixing

Learning Units: 0.1

Accreditation: IDCEC (ASID, IIDA AND IDC)

1:30 PM – 2:30 PM – Cree Commercial CEU “**Parking Garage Ltg for Health Safety & Financial Wellness**”, Dan Nolden

Overview:

The purpose of this course is to create a greater understanding of the enormous amount of energy being wasted to light and maintain most of the parking garages across the United States today. We’ll also explore how this overconsumption of energy and the use of traditional lighting technologies in these spaces contributed to creating unsafe environments and a less healthy planet. Lastly, we’ll evaluate how using LED technology in parking structures can improve Health, Safety, and Financial Wellness.

Learning Objectives:

At the end of this course, participants will:

- More fully understand the tremendous amount of energy being wasted from lighting parking garages with incumbent source technologies
- Become more aware of the sustainability conflict created by using traditional source technologies in parking structures.

Learning Units: 1 HSW

Accreditation: AIA

4:00 PM – 5:00 PM – Lutron Commercial/Residential CEU “**Tunable White, Minimize Risk, Satisfy Clients**”, Ricky

Overview:

This CEU will take participants through:

- The different types of light spectrum control
- The color tuning abilities of tunable white fixtures
- Design challenges
- How to reduce risk and meet client’s sequence of operations requirements on color tuning projects.

Learning Objectives:

Upon conclusion of this course, attendees will be able to:

- Describe the fundamental categories of spectrum control with LEDs
- Analyze the color tuning features of tunable white fixtures
- Identify challenges with tunable white
- Evaluate the feasibility of meeting a sequence of operations with various fixture types

Learning Units: 1 HSW

Accreditation: AIA/CES

5:30 PM – 6:30 PM – sonnen Residential CEU “**Smart Energy Management**”, Kelly Bertsch

Overview:

Intelligent energy storage is becoming the leading energy management component in the design of a sustainable, smart home with onsite renewable energy generation. The addition of an intelligent energy storage system allows for a higher self-consumption rate, time-of-use bill management, backup power for resiliency, and a utility-interactive component that can stabilize the grid.

Learning Objectives:

Upon conclusion of this course, attendees will leave with a clear understanding of:

- Why intelligent energy storage is becoming a necessary part of an energy efficient home.
- The benefits of intelligent energy storage for homeowners, builders and utilities.
- Design considerations of an intelligent energy storage system and how it contributes to increased energy efficiency.
- How energy storage can help gain buy-in from utilities and AHJs as well as how it is becoming a part of new building code compliance, such as in CA Title 24 NetZero.

Learning Units: 1 HSW

Accreditation: AIA