



Please see the three Continuing Education courses with Outlines and Learning Objectives below:

LIGHTING OVERVIEW FOR HEALTHCARE FACILITIES - 1 LU / HSW

The class is a high-density orientation to lighting considerations and methods in the healthcare environment. Topics will include application situations, impacted populations, design methods, and a review and critique of examples of successful and less-than-successful healthcare lighting designs.

- LO 1: Identify various types of healthcare facilities and impact of lighting in electrical usage.
- LO 2: Identify who is impacted by lighting in healthcare facility through its design and functionality.
- LO 3: Identify various lighting design considerations, constraints and specifications for the healthcare industry.
- LO 4: Identify alternative methods including color temperature, controls options and various lighting applications.

ENABLING AUTOMATED BUILDING WITH POWER-OVER-ETHERNET (POE) LIGHTING - 1 LU / HSW

This session will present how PoE lighting can be a fundamental platform for smart environments. Well planned building integration allows a flexible, scalable lighting system to collect the data that ultimately brings more value to the building owner.

- LO 1: Understand the relationship between Division 25 Integrated Automation and PoE Lighting.
- LO 2: Evaluate how a PoE lighting system is a scalable and adaptable building connectivity platform.
- LO 3: Learn how to differentiate between full inter-operability protocols and APIs (Application Programming Interface) and how each facilitates building system integration.
- LO 4: Demonstrate how the end-user can realize additional value propositions through data collection.

DYNAMIC LIGHTING – REALITIES, PRACTICALITIES, POTENTIAL - 1 LU / HSW

Dynamic lighting, also generally referred to as tunable, color-changing, and circadian, has washed over our lighting community. Many studies and early adopters have seeded the market and several lighting manufacturers now employ some level of Dynamic Lighting. This course is intended to educate by sharing the experiences of a commercial lighting manufacturer regarding Dynamic Lighting. It will explore the sources, how they work in commercial luminaires, how to control dynamic lighting, and where the lighting community is being directed by standards, regulation, and voice of the customer.

- LO 1: Define elements of dynamic lighting.
- LO 2: Learn the uses of dynamic lighting.
- LO 3: See illustrations of how to control dynamic lighting.
- LO 4: Become aware of the regulations, standards, and customer requests that are driving adoption.