



Ask how you can earn learning units in  
“Health, Safety and Human Welfare”  
sponsored by Architectural Area Lighting

## Education Program

AIA/CES and ASLA/CPE

**Provider:** Architectural Area Lighting  
**Program:**  
**Site Lighting - Common Lighting Issues**

**Length:** 1 hour  
**Credits:** 1 LU Hour  
**Health, Safety and Welfare:** Yes

**Description:** There are many factors that can make outdoor site lighting a confusing process. Some of the issues specifiers must consider include local and national codes, lighting quality, liability for insufficient lighting and environmental issues. This program introduces common lighting issues and solutions to effectively illuminate outdoor environments.

**Learning Objectives:** Key topics include four lighting issues common to most outdoor projects. At the end of the program, the participants will understand the importance each of these issues plays on society’s needs and welfare.

**How Taught:** The facilitator utilizes a Power Point to provide an overview of common lighting issues specifiers should consider when specifying outdoor lighting. Handouts are provided for future reference. An interactive “Exercise” at the end of the program enhances the learning experience.

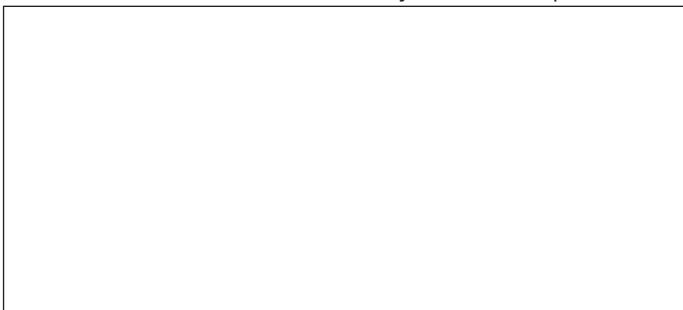
**A/V Needed:** Electrical Power and a screen for the Power Point presentation. (The facilitator supplies the laptop and projector).

**Target Audience:** Architects, Landscape Architects, Specifiers, Owners and other design professionals in the commercial, industrial and educational markets. The ideal audience size can be one on one or up to 20. This program meets every experience level with sufficient time factored in for questions and answers.

**Facilitator Qualifications:** All Architectural Area Lighting facilitators have been trained on education guidelines and presentation skills.

**Cost:** There is no cost to bring this program into your firm or chapter meeting.

For more information, contact your local representative:





## Course Summary

### I. Objective

- A. Present common lighting issues that apply to all outdoor lighting applications
- B. Provide attendees the knowledge to design lighting for outdoor spaces that address current lighting issues while yielding an aesthetically pleasing environment.

### II. Common Lighting Issues –

#### A. Lamp Technology

1. General Lighting Terms– light output, lamp life, efficacy, ballast and color characteristics
2. Covered lamp sources:
  - Incandescent
  - Fluorescent
  - HID sources - Metal Halide and High Pressure Sodium
  - Induction Lamp
  - LEDs

#### B. Glare

1. Discomfort
2. Disability
3. Affecting the Aging Eye

#### C. Environmental Issues

1. Light Trespass
2. Light Pollution
3. L.E.E.D. Building Certification

#### D. Lighting Criteria: Uniformity (The Future of Lighting Ordinances)

1. Wide Pole Spacing
2. Narrow Pole Spacing
3. Ideal Pole Spacing
4. Uniformity

### III. 10 minute 'Interactive' exercise

