



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: Safety and Security

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

Description: AAL’s ‘Safety and Security’ program explores the proper use of light as part of a full security system for exterior outdoor lighting.

Learning Objectives: Professionals will gain the knowledge to enhance the public’s perception of safety in the outdoor environment. At the end of the program, the participants will understand the importance each course topic plays on society’s needs, safety 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.

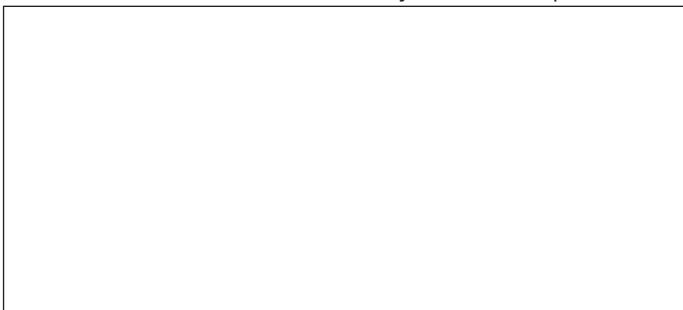
A/V Needed: Electrical Power and a screen for the Power Point presentation. (The facilitator supplies the laptop and projector).

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

Objective

- A. Explores the use of light and light sources as part of a 'Safety and Security' system.
- B. Professionals will gain the knowledge to enhance the public's perception of safety in the outdoor environment.

I. The Need for Illumination

- History:
 - Population Growth
 - Personal Property, Liability and Risk Management
 - World Events Impacting the Need for 'Illumination'

II. Basic Principles of Security and Security Lighting:

- Defines elements when identifying the need for 'Enhanced Security' lighting.

III. Visibility Concerns:

- Psychological Factors:
 - Behavior of Occupants at Night
 - Depth Perception
- Lamp Characteristics:
 - Color Rendering Index
- Measuring Illuminance:
 - Horizontal
 - Vertical

IV. Security Lighting for Controlled Spaces:

(footcandle levels from the IESNA G-1-03 handbook)

- Parking Facilities, Major Retail Outlets, Schools and Institutions, Hotels and Motels, Offices and Other Commercial Buildings, Parking Facilities Adjacent to Parks Trails & Walkways Adjacent to Parks.

V. Emergency and Egress Lighting:

- Emergency and Egress (outdoor) lighting.
- Different methods and solutions to meet Egress Lighting codes.

10 minute 'Interactive' exercise

