



AcuityControls

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LIGHTING

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SUNOPTICS

WINONA  
solutions | forms | light



## Acuity Brands Training & Education Programs



Acuity Brands® Training & Education is responsible for providing educational resources to individuals wanting to expand their lighting and controls technical knowledge. As a North American market leader, our comprehensive portfolio and commitment to a sustainable future, enables us to educate the industry on rapidly growing market opportunities.



For more details and to register for our current programs, please visit [www.acuitybrands.com/resources/training-education](http://www.acuitybrands.com/resources/training-education)

Need a custom program catered to a specific need? Please contact your local agency or Acuity Brands sales representative. Visit [www.acuitybrands.com/about-us/contact-us](http://www.acuitybrands.com/about-us/contact-us)

**AcuityBrands.**  
Expanding the boundaries of lighting®

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**AcuityBrands.**

## Acuity Brands

# Training & Education Programs

## Field Training

### nLight® Design

#### Intended Audience

Specifier, Design, Application and Project Management personnel tasked with Design or Design Management of an nLight Controls System.

#### Course Description

Attendees of this course will acquire the skills and supporting knowledge to design an nLight Control System. Topics covered include detailed product and system level descriptions, typical application designs, Sequence of Operation, and design best practices.

#### Learning Objectives

- Attendees will be able to perform the tasks necessary to Design an nLight Controls System to support typical or common applications.

### nLight® Installation

#### Intended Audience

Electrical Contractor, Technical Support, Field Service, Facility Maintenance, distributors and Controls Specialist Personnel tasked with installation, maintenance or support of an nLight Control System.

#### Course Description

Attendees of this 3.5 hour course will acquire the skills and supporting knowledge to install, operate and maintain an nLight Control System. Topics covered include functional operation, installation best practices, testing and documentation requirements.

#### Learning Objectives

- Attendees will be able to perform the tasks necessary to install, test, document and program an nLight Controls System to the level that supports normal operation and maintenance in preparation for start up.

### nLight® Programming/Troubleshooting

#### Intended Audience

Agency, Electrical Contractor, Technical Support, Field Service, Facility Maintenance and Controls Specialist Personnel tasked with start up, maintenance, expansion or support of an nLight Control System.

#### Course Description

Attendees of this two day course will acquire the skills and supporting knowledge to perform start up and maintain an nLight Control System. Topics covered include Sensorview Navigation and operation, detailed programming for Sequence of Operation, start up best practices, and troubleshooting.

#### Learning Objectives

- Attendees will be able to perform the tasks necessary to install, test, document and program an nLight Controls System to the level that supports Startup for normal operation and maintenance.

## Instructor-Led Seminars

### Lighting & Controls Fundamentals

#### Intended Audience

People new to the lighting industry, or people who want to develop their understanding of Lighting & Controls Solutions at a fundamental level.

#### Course Description

This program provides the attendee a basic review of lighting basics including terminology, history and lighting transition, products and how they are applied and integration of smart control systems. Topics covered include Light Theory, Human Perception, Lighting Types, Lighting Technologies used, as well as Architectural Lighting strategies and concerns.

#### Learning Objectives

- Identify basic lighting and controls terminology
- Explain how terminology is used in the lighting market
- Describe transitions in the marketplace and how they relate to today's market
- Explain the various lighting verticals in the marketplace and products suitable for these various options.
- Describe controls options available and how they relate to applications.

#### Locations Offered

Conyers, GA | New York, NY | Berkeley, CA

### Lighting and Controls Applications

#### Intended Audience

Individuals who have lighting and controls experience but lack experience in applications of products including contractors, distributors, end users.

#### Course Description

Student participates in an interactive approach to real world lighting and controls applications for interior and exterior spaces. Lecturers provide attendees the basics for products and how they are applied, students take this information and as a group apply products in application and report their recommendations to the class.

#### Learning Objectives

- Apply smart lighting and control solutions to typical commercial applications
- Explain the development of LED and how it impacts the use and applications of product
- Navigate Visual (Acuity software solution for lighting and controls) and how to apply for specific applications

#### Locations Offered

Conyers, GA

### Commercial Application Seminar

#### Intended Audience

Distributors, New Agents

#### Course Description

This course provides a holistic approach to lighting applications and controls considerations. It is designed to assist in the strategic design of a space and is intended for individuals who are influencers of lighting and controls selections. This course is not designed at the level of detail for those seeking specific installation and commissioning guidance.

#### Learning Objectives

- Identify application requirements and select the proper fixture/controls for each lighting solution.
- Gain understanding of individual product functionality and performance
- Develop costed BOM and prepare proposal

#### Locations Offered

Berkeley, CA

### Lighting and Controls Integrated Solutions

#### Intended Audience

Individuals who have lighting and controls experience and interested in the integration of LED lighting and controls for typical applications including lighting designers, electrical engineers, architects, end users and those involved in the selection of lighting products for lighting and controls applications.

#### Course Description

Participants are invited to explore lighting and control solutions for every day applications such as: offices, classrooms, healthcare and outdoor (such as parking garages). Areas that will be covered include: energy-efficient, high performance options, daylighting and LEED certification.

#### Learning Objectives

- Articulate design considerations for indoor and outdoor applications
- Apply smart lighting solutions to various commercial applications
- Explain the development of LED technology and how it impacts lighting and controls solutions in general applications

#### Locations Offered

Conyers, GA

### Innovative Lighting Strategies for Modern Healthcare Facilities

#### Intended Audience

Influencers and specifiers of lighting and controls in healthcare facilities including designers, architects and facilities engineers/planners.

#### Course Description

This 1.5 day program is developed to explore the art and science of lighting healthcare environment. Innovative Lighting Strategies for Modern Healthcare Facilities will provide a comprehensive discussion about the biological, psychological and functional impact of lighting and controls for indoor and outdoor spaces.

#### Learning Objectives

- Identify product selection and use for modern healthcare facilities, the current and future trends of LED lighting, and integration of controls in facilities to create a smart lighting system
- Be able to describe individual product functionality and performance
- Explain and design their own healthcare facilities with the use of Acuity products

#### Locations Offered

Conyers, GA | New York, NY | Berkeley, CA

### Utility Lighting Seminar

#### Intended Audience

Utility engineers, purchasing agents, lighting specifiers, and project managers from major utilities across the US.

#### Course Description

A two day seminar geared toward Utility personnel with a full range of topics for outdoor lighting. Start with the fundamentals of lighting, optics and ballast operation. Learn about the requirements for outdoor lighting as spelled out in the IESNA Recommended Practice for Roadway Lighting, RP-8. See LED luminaires for highway, street and parking applications. See a working glass plant. See, touch and feel high performing and easy to maintain luminaires.

#### Learning Objectives

- Describe the difference between roadway luminaires different color temperature LED sources
- Explain the difference between designing a roadway lighting system using illuminance and luminance
- List two main performance changes in an LED luminaire compared to HPS and MH
- Describe the difference between scotopic and photopic vision and how it may affect outdoor lighting design

#### Locations Offered

Granville, OH

### Lighting for Modern Office Environments

#### Intended Audience

Influencers and specifiers of lighting and controls in commercial office facilities, such as: designers, architects, and facility engineers/planners.

#### Course Description

Attendees of this seminar will gain knowledge of the commercial office vertical as we discuss the combined elements of lighting design considerations, controls integration and the importance of natural light. The program will also deep dive into each commercial office application providing lighting and controls insight and best practices.

#### Learning Objectives

- Understand quality lighting for the office environment
- Review energy code requirements that will increase the need for energy efficient lighting in the office space
- Understand benefits of digital lighting combined with controls and daylighting

#### Locations Offered

Conyers, GA

### Industrial Lighting Seminar

#### Intended Audience

Industrial lighting designers, plant engineers, and manufacturing managers

#### Course Description

A two day seminar geared toward personnel involved with industrial lighting facilities. Learn lighting terms as well as the importance of lighting controls. Investigate practical aspects of lighting industrial spaces of various types. Learn about LED luminaires and how to compare high performing industrial lighting products. Take a tour of a glass production plant.

#### Learning Objectives

- Compare conventional and LED luminaires for a typical industrial environment
- Explain the value of specifying vertical illuminance in an industrial setting where machinery is being operated
- Do a cost analysis comparing an existing lighting system with a new efficient lighting system with appropriate controls
- Explain the main vision criteria that should be considered in industrial environments

#### Locations Offered

Granville, OH

## Visual Software Training

### Computer Lighting Calculations: Exterior Seminar

#### Intended Audience

Lighting Designers, Application Engineers, Consulting Engineers, Agents, Distributors, Acuity employees

#### Course Description

A working seminar geared toward demonstrating compliance with lighting criteria through application of a computer lighting calculation program. To teach the concepts, the seminar will use Visual 2012, a lighting calculation software program. This seminar will concentrate on exterior project applications. The attendee will learn how to use the software to analyze exterior spaces like roadways and parking lots, select photometric files, place luminaires, locate analysis areas, and create documentation.

#### Learning Objectives

- Describe the difference between illuminance calculations and luminance calculations
- Describe photometry and it's purpose in performing lighting calculations
- Use computer tools to determine the spacing of luminaires for roadways and parking lots
- Describe the importance of uniformity in roadway and parking lot lighting installations that should be considered in industrial environments

#### Locations Offered

Granville, OH

### Fundamentals/Intermediate/Advanced

#### Intended Audience

Application Engineers, Engineers, Agents, Acuity employees

#### Course Description

A one day working seminar geared toward applying computer lighting calculations to lighting design. To teach the concepts, the seminar will use the latest version of Visual. The attendee will learn how to use the software to define various indoor and outdoor projects, select photometric files, place luminaires, locate analysis areas, render projects and create documentation. Every attendee will have a computer and will be expected to build and analyze projects.

#### Learning Objectives

- Define indoor spaces
- Select photometric files
- Place luminaires
- Locate analysis areas
- Create documentation

#### Locations Offered

Conyers, GA | New York, NY | Berkeley, CA

### Computer Lighting Calculations: Interior Seminar

#### Intended Audience

Lighting Designers, Application Engineers, Consulting Engineers, Agents, Distributors, Acuity employees

#### Course Description

A working seminar geared toward demonstrating compliance with lighting criteria through application of a computer lighting calculation program. To teach the concepts, the seminar will use Visual 2012, a lighting calculation software program. This seminar will concentrate on interior project applications. The attendee will learn how to use the software to analyze interior spaces like gymnasiums, offices, warehouses, unusually shaped rooms, select photometric files, place luminaires, locate analysis areas, and create documentation.

#### Learning Objectives

- Write and explain the basic formula used by computer lighting calculation programs
- Understand Light Loss Factor for lighting calculations
- Explain at least three types of data found in an IES photometric file
- Describe the importance of selecting the proper grid or calculation points for a lighting analysis
- Determine the number and layout of luminaires for indoor spaces

#### Locations Offered

Granville, OH

### Advanced Roadway Lighting Calculations Seminar

#### Intended Audience

Engineers, municipal engineers, lighting designers, and project managers

#### Course Description

A two day seminar geared toward the more seasoned roadway lighting designer. Start with a deeper look at lighting fundamentals, optics and roadway photometry. Get up to speed on the latest roadway lighting research. Learn about LED luminaires and compare them to Induction, Metal Halide and High Pressure Sodium luminaires. Discover time saving techniques for designing roadways. Learn the requirements for roadway lighting in the IESNA Recommended Practice for Roadway Lighting, RP-8-14. Examine high performing and easy to maintain products.

#### Learning Objectives

- Describe the difference between roadway luminaires different color temperature LED source
- Explain the difference between designing a roadway lighting system using illuminance and luminance
- List two main performance changes in an LED luminaire compared to HPS and MH
- Describe the difference between scotopic and photopic vision and how it may affect outdoor lighting design
- Understand life cycle cost analysis

#### Locations Offered

Granville, OH

For more details and to register for our current programs, please visit [www.acuitybrands.com/resources/training-education](http://www.acuitybrands.com/resources/training-education)

Need a custom program catered to a specific need? Please contact your local agency or Acuity Brands sales representative. Visit [www.acuitybrands.com/about-us/contact-us](http://www.acuitybrands.com/about-us/contact-us)

