



The American Institute of Architects (AIA) Continuing Education System AIA/CES and LA/CES Program Summary Handout

Provider: **InfoSpec, Inc.**

Length: **5 Hours**

Course Number: **IHA26A**

Credits: **5 AIA/CES LU/HSW Hours**
5 LA/CES PD Hours

Course Title: **Luminaires: From Creation to Application – A Tour**

InfoSpec, Inc. is a Registered Provider with The American Institute of Architects Continuing Education Systems (AIA/CES). Credit(s) earned on completion of this program will be reported to AIA/CES for AIA members. Certificates of Completion for both AIA members and non-AIA members are available upon request.

This program is registered with AIA/CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA or InfoSpec, Inc. of any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product.

Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.

Description

This five hour facility tour will better inform the designer about the variety of luminaires that are available and how they have evolved. We will begin this course with a 1 hour classroom learning activity where the subject matter expert will compare and contrast both the aesthetic and physical properties of the various luminaires and illustrate the standards and testing of each element. Following this, the class will participate in a 1 hour visual walking tour where individuals can actually interact with the aluminum casting processes including sand casting, permanent mold, and die-casting methods and see how they are transformed into finished products. This tour will conclude as the sun sets with a 2 hour night time tour of the Luminaire Gallery. This is an outdoor showroom complete with a variety of lighting fixtures and site amenities in actual size to allow designers to experience the scale within a real-world outdoor setting. Luminaires are turned on one at a time and will cycle through fixtures as requested, allowing visitors to see and experience the lighting performance of a particular fixture style and construction. From creation to end use, this comprehensive tour will allow the design professional an inclusive understanding of luminaire options and help them to make the best decisions when specifying lighting into their next project.

Course Objectives

By completing this course the design professional will be able to:

- Describe the steel pole manufacturing process for the lighting industry and the hot-dip galvanizing process.

- Discuss the various laboratory tests performed on outdoor lighting fixtures, including dust and water intrusion, thermal, electrical, and photometric evaluation.
 - Discuss examples of various machined aluminum products in progressive stages of completion.
 - Experience and understand scale and proportionality of various outdoor lighting fixture styles and site amenities in an actual outdoor environment.
 - View the lighting performance of various configurations of outdoor lighting fixtures and understand how to apply them to your projects through and improved understanding of the effects of color temperature & rendering, brightness, and illumination capability.
 - Describe the differences in various optical systems for direct and indirect general lighting, accenting, way finding, and zone definition.
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Method of Delivery

The course is offered as a walking tour of a lighting manufacturer and showroom. This course will be presented in a visual and oral lecture.

Cost to Participants

There is no cost for this program. The course is sponsored by the manufacturer and therefore is offered to design professionals at no cost.

Evaluation

- Upon completion of this educational activity, evaluations will be handed out. Your input is invaluable to the success of this course
 - In order to maintain high-quality learning experiences, please access the AIA evaluation for this course by logging into AIA/CES Discovery and clicking on the Course Evaluation link on the left side of the page.
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Certificates of Completion and Credit

- Certificates will be sent exclusively via email
 - Attendance for the full time indicated is required in order to receive credit.
 - AIA members must sign in with AIA member number in order to receive credit
 - Please allow ten business days following the event for credit to be posted to your transcript and Certificates to be sent
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