



# Professional Development

The American Institute of Architects Continuing Education System

Green Building Certification Institute Credentialing Maintenance Program

Course# QB101

## Quality Benchmarks for LED Luminaires

- AIA HSW Approved - 1 LU, HSW
- GBCI Approved - 1 CE
- NCQLP - 1 LEU (Self-reporting)

### Provider:

Finelite, Inc.

### Method of Delivery:

The facilitator will use a powerpoint presentation to review the information.

### Audiovisual Required:

Facilitator will provide audiovisual equipment. Access to an electrical outlet will be required.

### Cost to Participants:

Free

### Point of Contact:

**Brandon McGurer**

Brand Communication Manager

Finelite, Inc.

30500 Whipple Road

Union City, CA 94587

F: 510-441-1100

E: brandon.mcgurur@finelite.com

## Program Summary

### PROGRAM OVERVIEW:

LED luminaires have great potential for long life, low maintenance and reduced energy consumption as compared to legacy lighting technologies. The component architecture of LED luminaires, however, creates new selection criteria. This presentation discusses industry benchmarks for LED luminaire quality including useful fixture life, serviceability and performance.

### LEARNING OBJECTIVES:

Attendees will:

- Know how to compare luminaire lifetimes using lumen maintenance, LM79, LM80 and TM21 test results
- Understand the impact of operating temperature on driver performance, LED performance and color shift
- Evaluate and compare serviceability including ease of access and replacement parts
- Understand the difference between performance-based and component-failure-based warranties

### FACILITATOR QUALIFICATIONS:

All Finelite facilitators have been trained on guidelines and presentation skills. In addition, all presenters receive continuous training on the science of lighting, best practices, and all applicable energy codes related to the lighting design process.

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