

3 Hot Topics in Lighting

A summary of important architectural lighting issues for architects and project owners

This seminar is being offered to architects and others in the construction industry. The purpose is to raise awareness about new lighting issues that are important to providing services essential to meet current standards of practice in architectural lighting design .

This talk is approved for AIA CEU learning credits

by
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To provide insight on essential, current lighting topics

1. LED's / rewards and risk management

LED technologies offer great potential for new lighting system, but there are economic risks in selecting and specifying solid state lighting that are important to know learn, that the LED industry may not tell you about.

2 Daylighting integration / benefits and considerations

Sunlight is a free natural resource and will become an essential part of every sustainable project to reduce energy and improve human visual response to the interior environment

3 Lighting quality / what does it mean? how it is beneficial?

Designs that promote energy efficiency with equal emphasis on lighting quality techniques, will provide a much higher long term ROI to the project owner. Lighting quality solutions have become essential to sustainable projects and yet are not fully addressed in LEED or Energy Code programs.

- Light and health / the next holistic building paradigm

New research has revealed the important psychological and physiological benefits of light to our wellness

Sustainable lighting is a holistic approach that offers many long term benefits to the project owner and occupants. It addresses;

Human needs / *supports health, well being, visibility and productivity*

Economic / *manage initial equipment costs with specifications that reduce operations costs*

Environmental / *reduce carbon emissions, hazardous waste and controls outdoor light pollution*

Aesthetic / *light that improves interior and exterior design aesthetics.*

Lighting has evolved beyond an old school approach of engineering footcandles to a new, higher standard of practice.

It is essential for architects, engineers, construction managers and project owners to become aware of these higher standards to make informed decisions that impact the long term benefits of daylight and electric lighting for their projects.