

Designers Light Forum

Contemporary Luminaire Design Trends

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Credit(s) earned on completion of this course will be reported to AIA CES for AIA members. Certificates of Completion for both AIA members and non-AIA members are available upon request.

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





Learning Objectives

At the end of the this course, participants will be able to:

- 1. Discover ways in which emerging technologies are being applied to affect new capabilities in lighting
- 2. Learn how a rich palette of dark architectural colors (including gray) may be produced with light
- 3. Learn how dynamic lighting systems can be coordinated to maintain constancy of illuminance and color at task surfaces
- 4. Learn how control systems and metrics must adapt to keep pace with a rapidly changing industry







Noteworthy Technologies

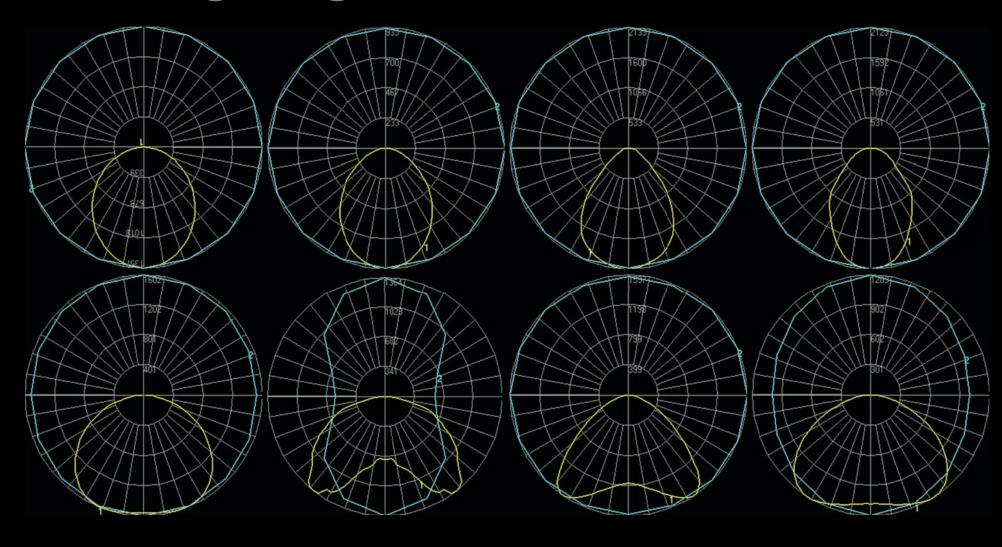
- Visible light communication (VLC)
 - Indoor positioning
- Internet of things
 - Adaptive/responsive environments
 - Sensing
 - Intelligence
 - Personal device control
- Unified building control
- Tunable CCT
- Active optics



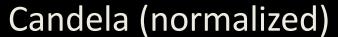


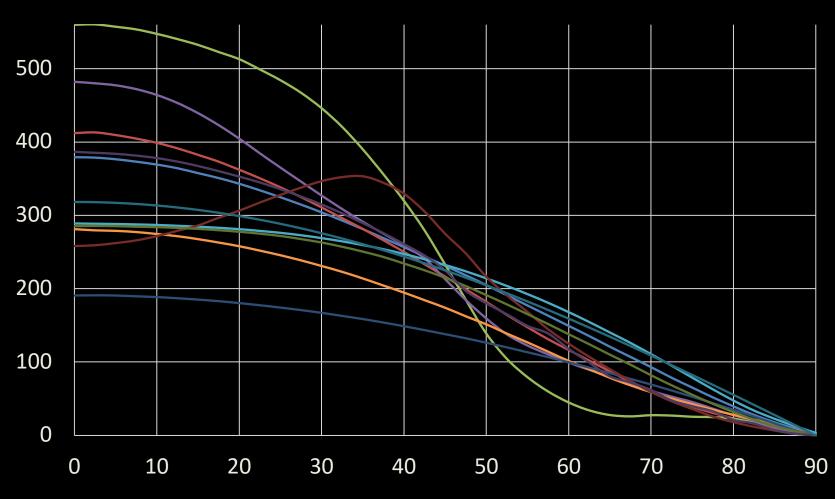


Volumetric Lighting



Volumetric Lighting

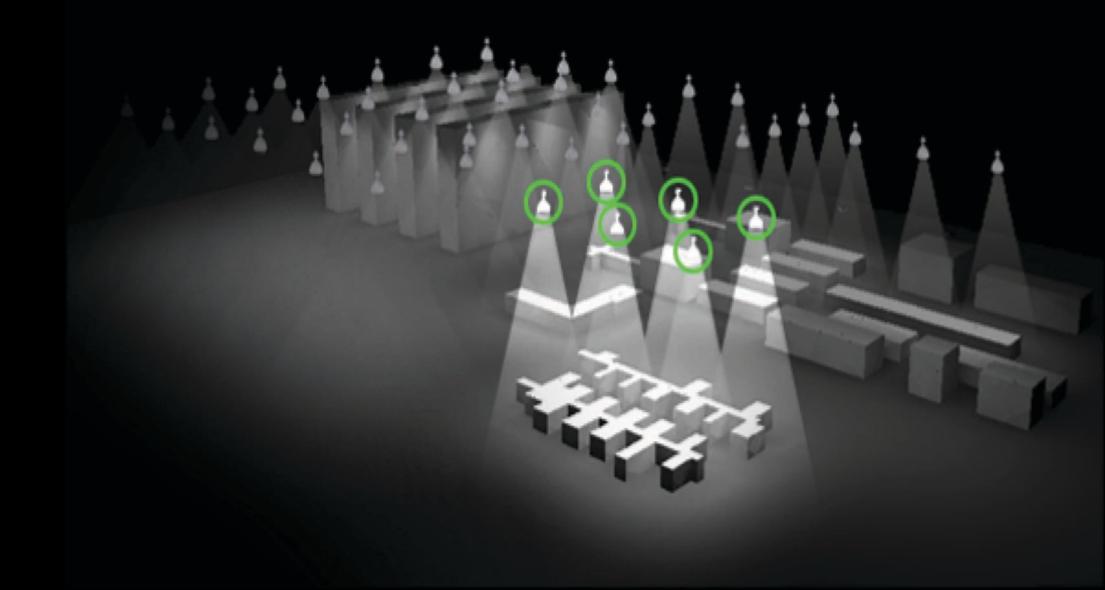




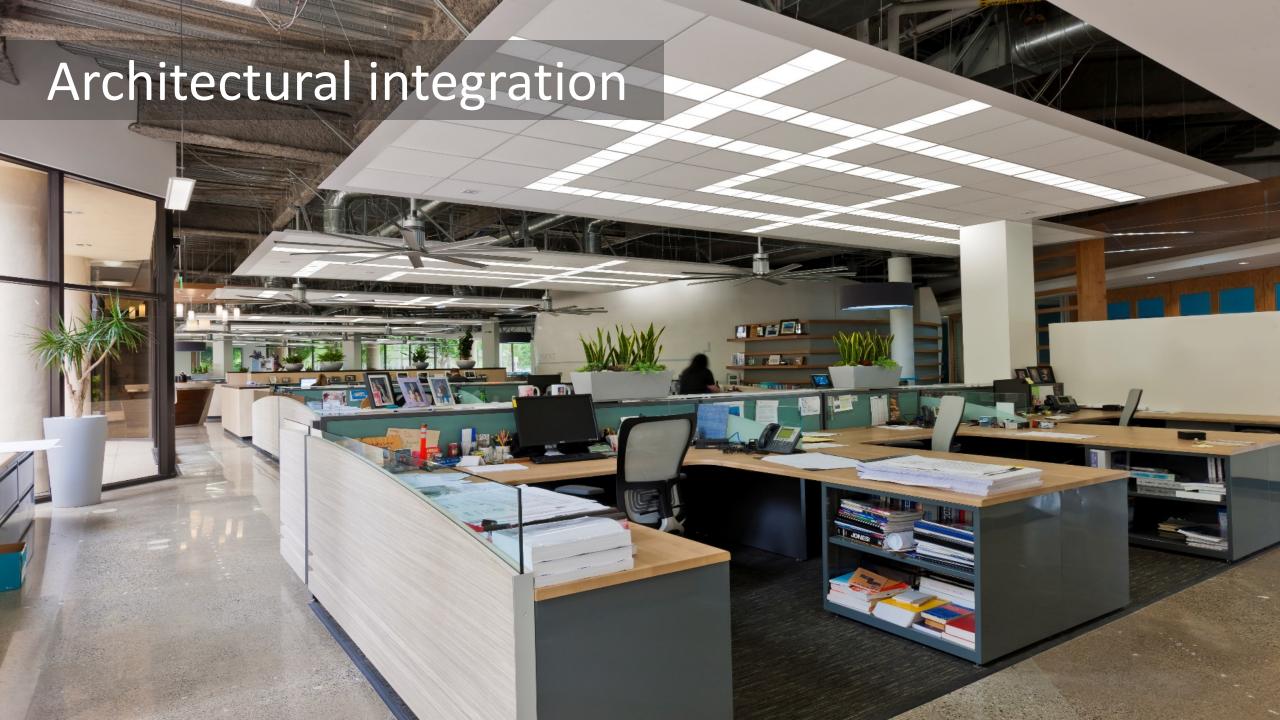


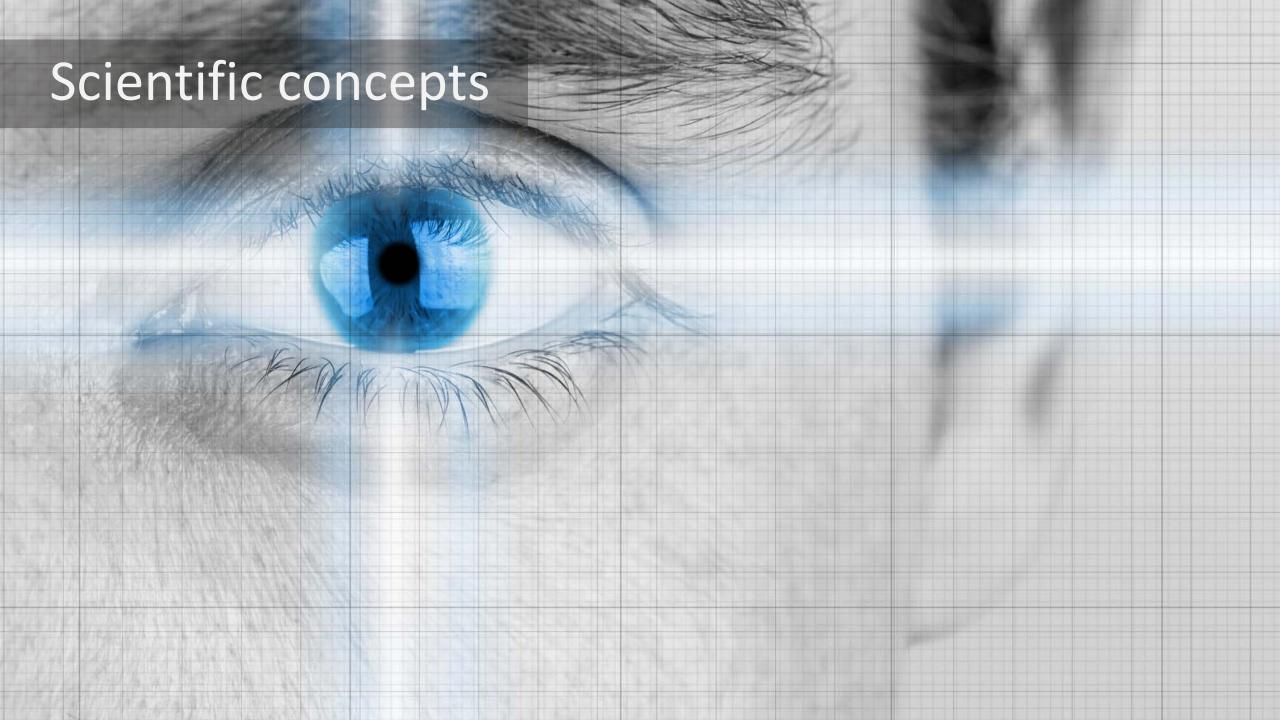


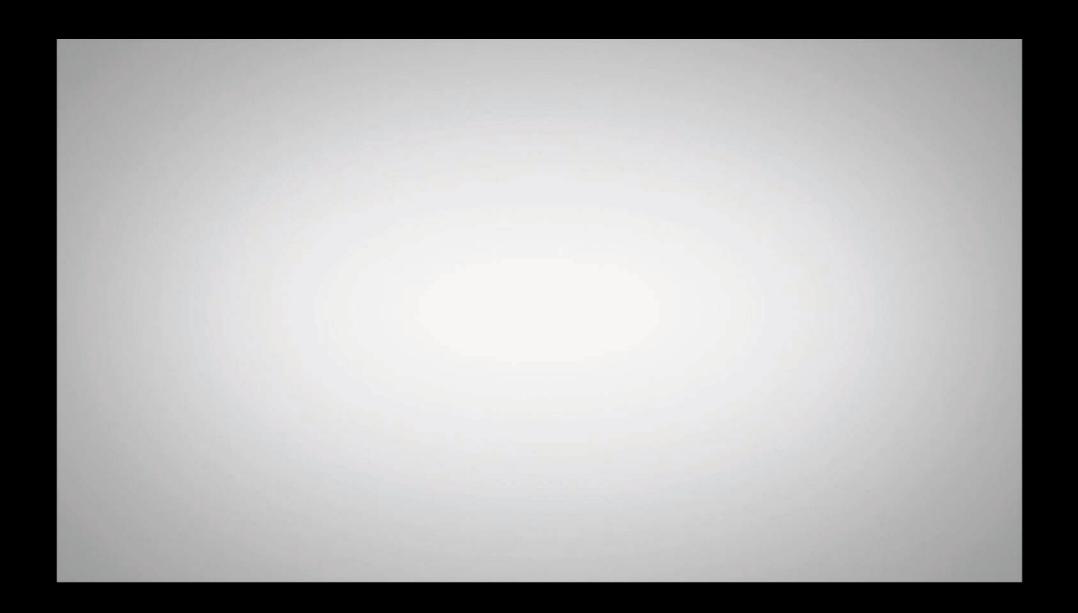
Tailored Lighting

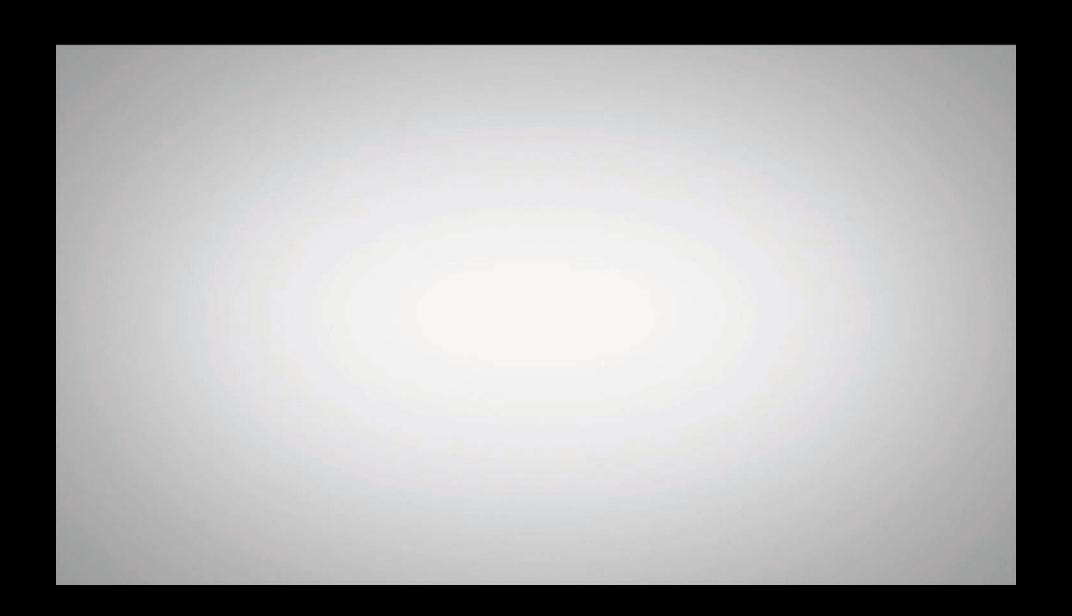












User control



Summary

- The electronic leap is a big one
- Lighting is primed for innovation
- SSL is energy savings, and more
- Systems with friendly user controls will make it possible
- Metrics will lag market demand



This concludes The American Institute of Architects Continuing Education Systems Course

