

Designers Lighting Forum

Simplifying Systems with Smart Lighting

Murrill Oakes March 16, 2022







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.

This course 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 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.







Learning Objectives

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

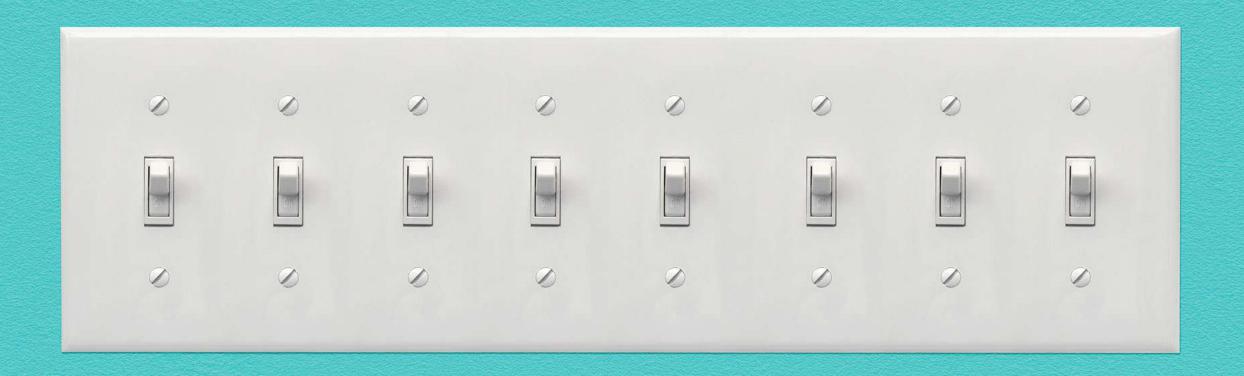
- ^{1.} Lighting Zoning: Review infrastructure requirements for localized lighting and basic control systems versus whole home smart lighting, analyzing labor and energy consumption in each scenario.
- ^{2.} LED Infrastructure: Explore how smart lights help overcome many of the obstacles associated with other, more traditional LED technologies such as 0-10V and phase control.
- ^{3.} Dimming Smarter: Learn the ease of compatibility allowing for this "flicker free" reality. Can smart lights eliminate the need for countless interfaces and control devices?
- ^{4.} Simple Control: Understand the importance for simple controls amid myriad options presented by keypad design, voice control, and full spectrum lighting technologies.







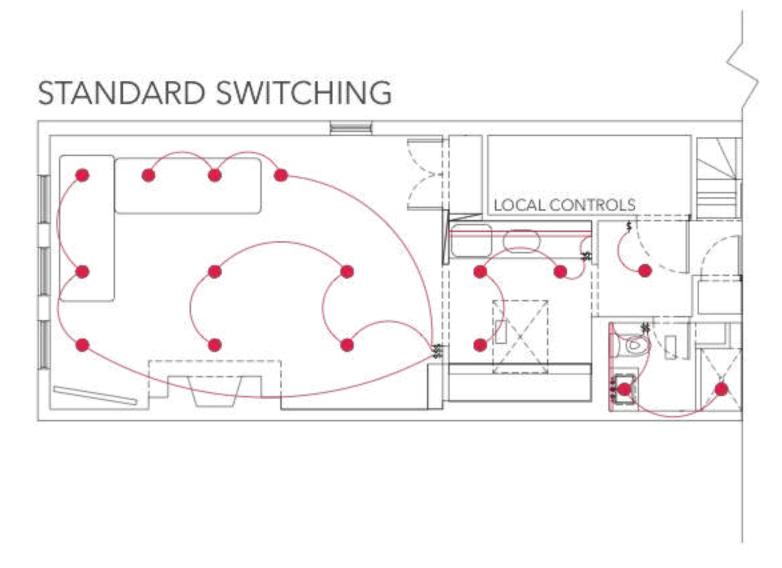




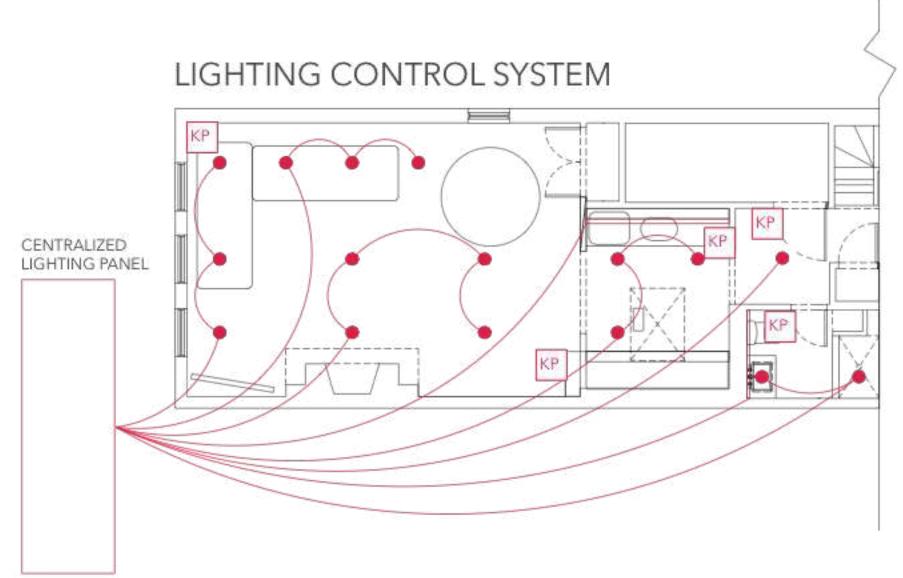


LIGHTING ZONING

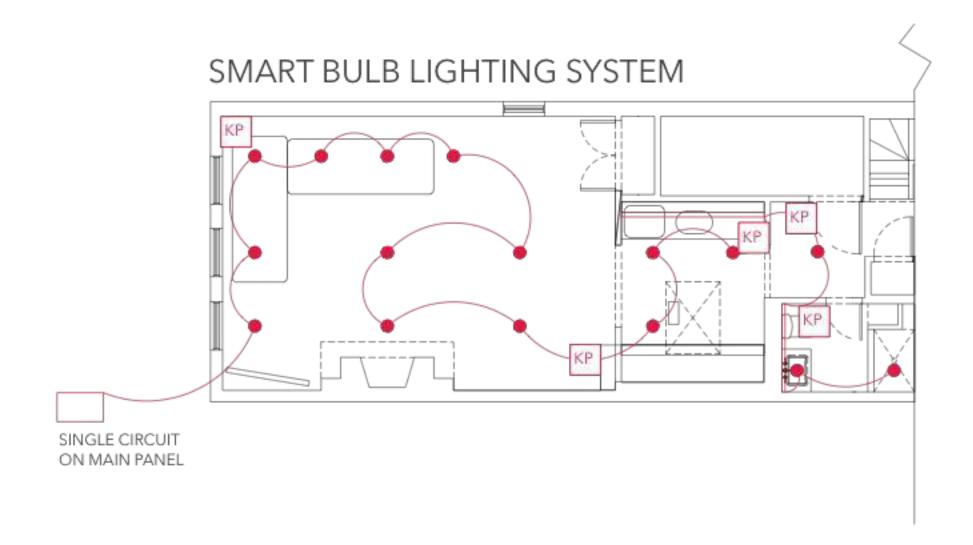




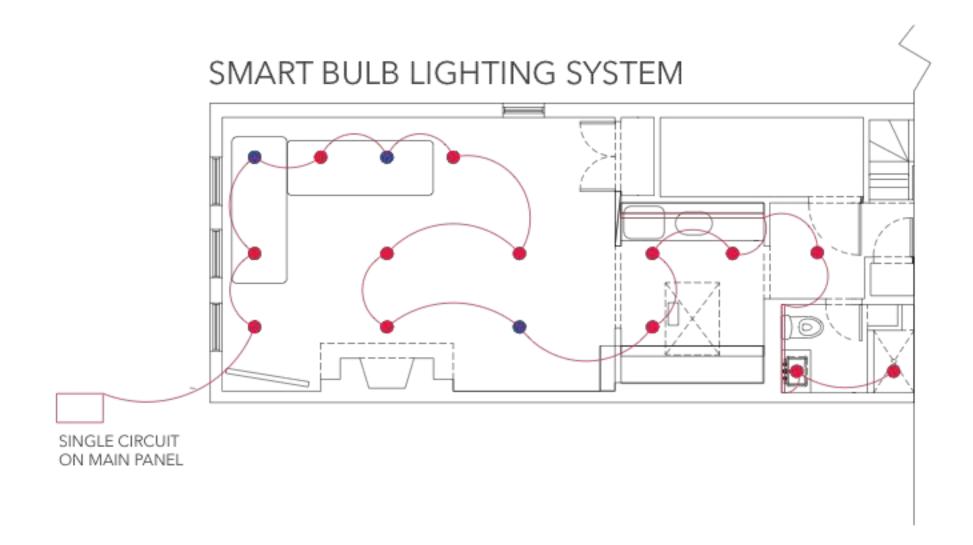












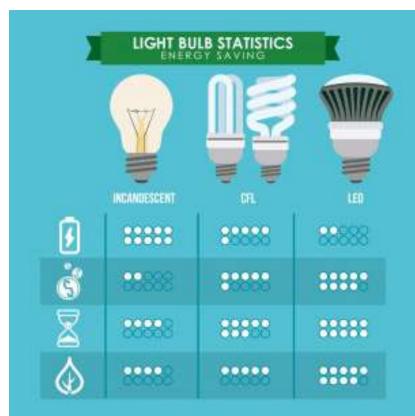


LED INFRASTRUCTURE



Annual Energy Use (kWh) = Annual Energy Cost



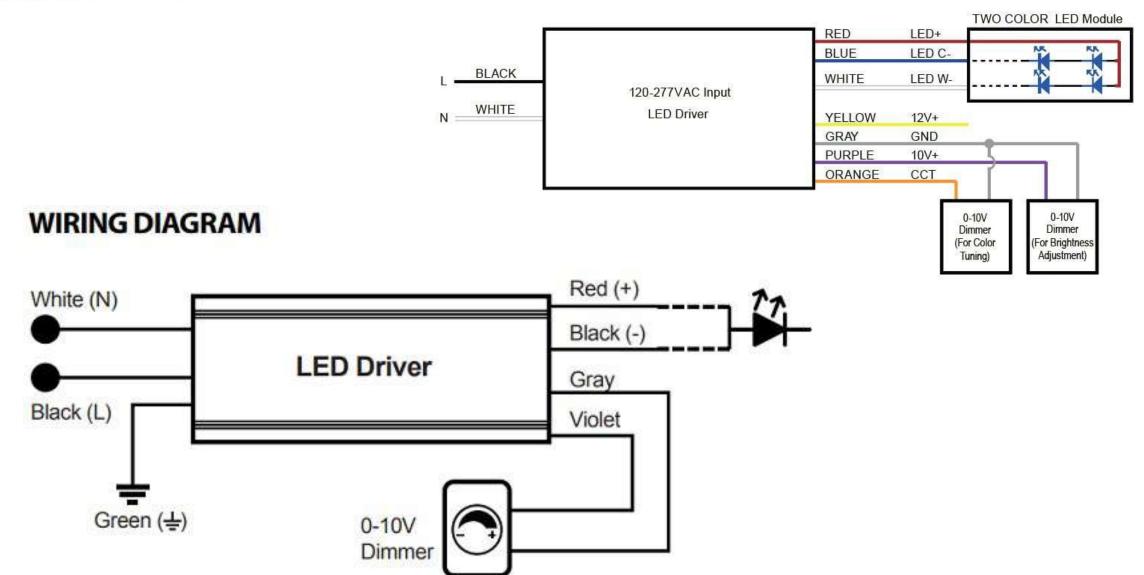












leducation.org



DIMMING SMARTER

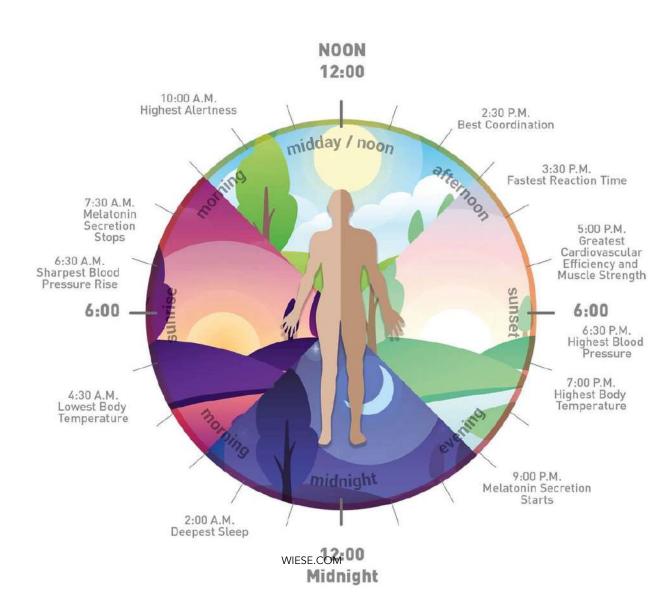


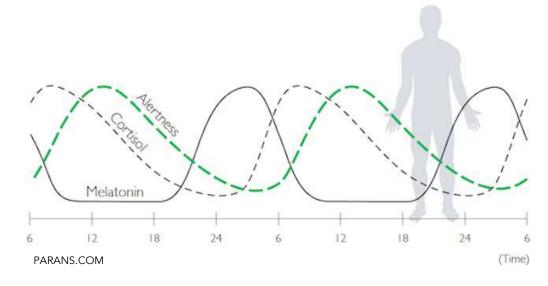














SIMPLE CONTROLS

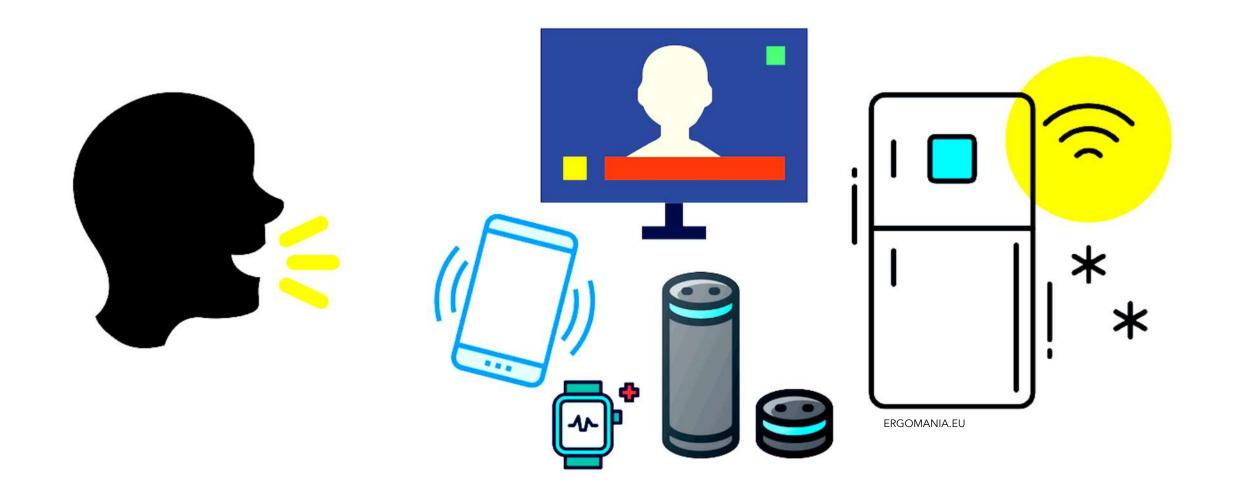




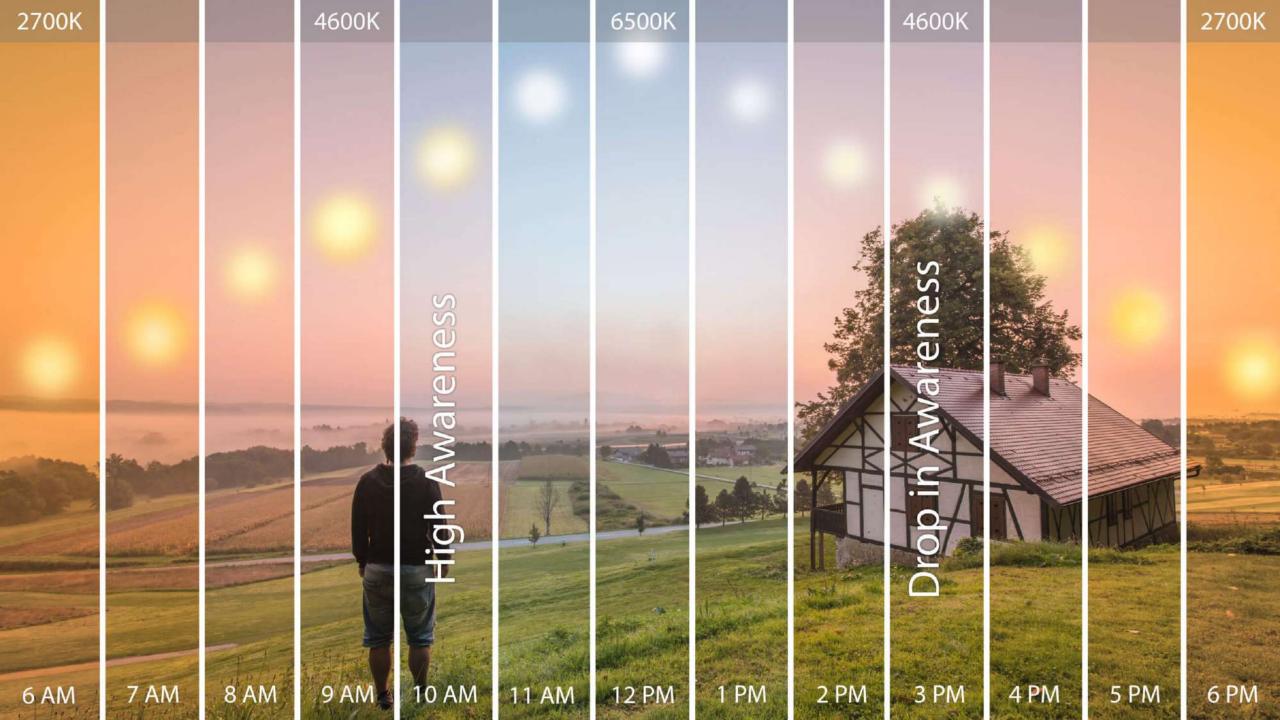


leducation.org





leducation.org







FEWER WIRES. FEWER BUTTONS. BETTER USER EXPERIENCE





This concludes The American Institute of Architects Continuing Education Systems Course



