

Designers Lighting Forum

The Future of Lighting Will Be Personalized

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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. Exercise a high level understanding of the design new capabilities of LED lighting.
- 2. Exercise a high level of understanding of control technology which enables personalization
- 3. Discuss possible use case scenarios for personalized lighting.
- 4. Make a checklist for the design on personalized lighting design.





What is personalized lighting?



## Personalized Lighting







### Personalized Lighting

Color

Brightness

Focal Points Natural Light



## Color

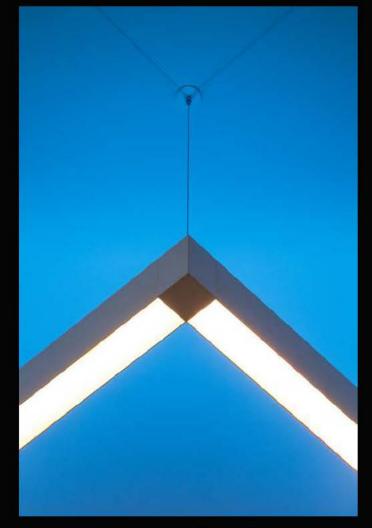




#### Color

RGB Color Mixing

Tunable White Sources





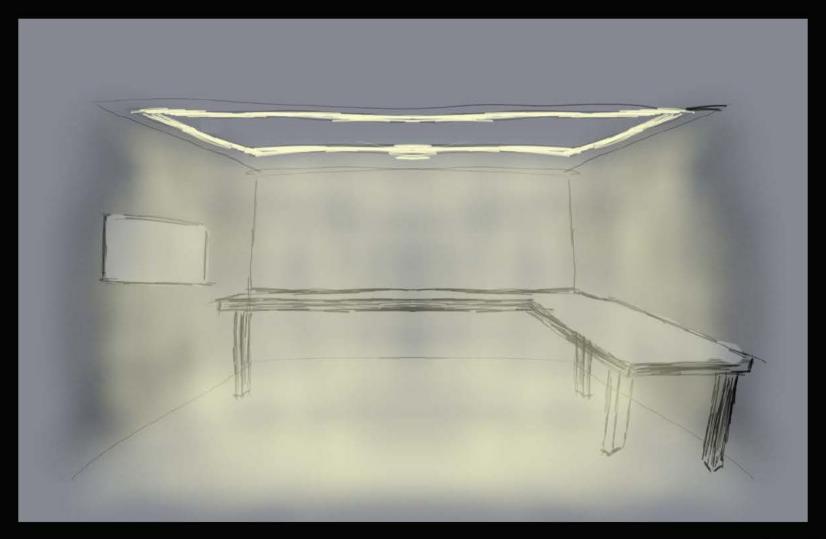


#### Brightness

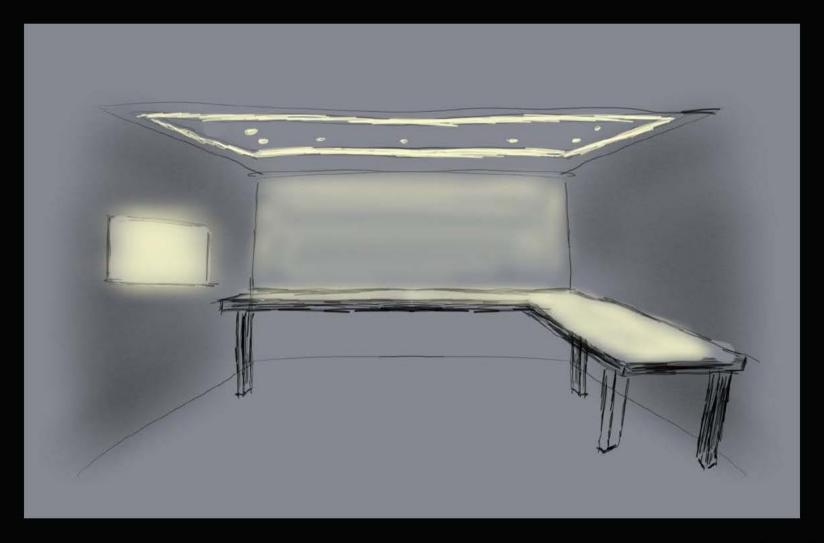
Group Activities

Individual Preferences

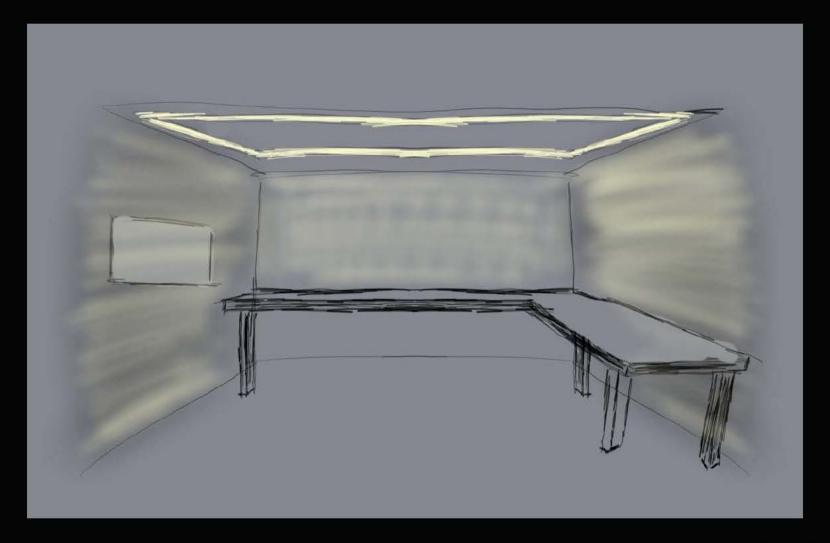




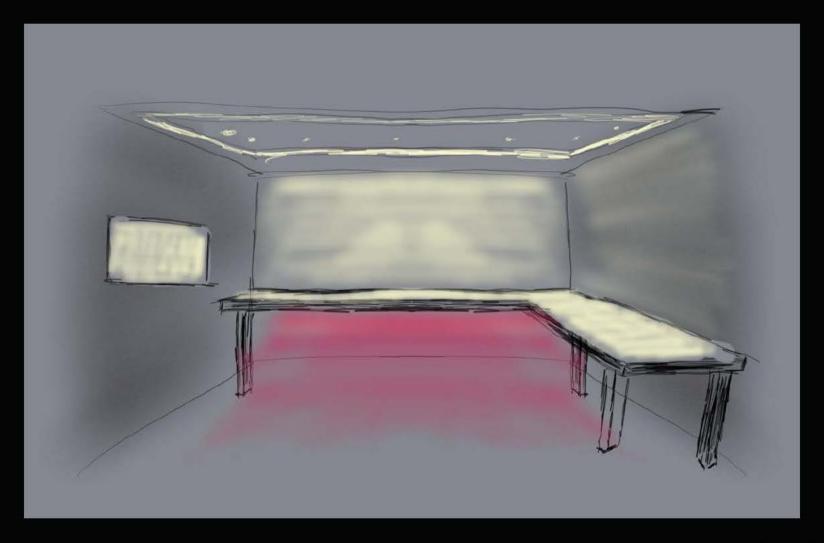




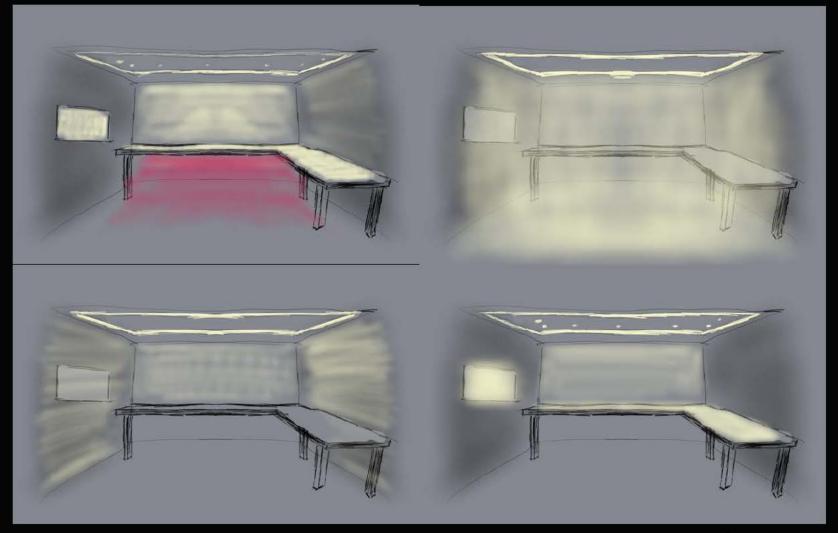
























Smooth digital dimming down to 0.1% of output

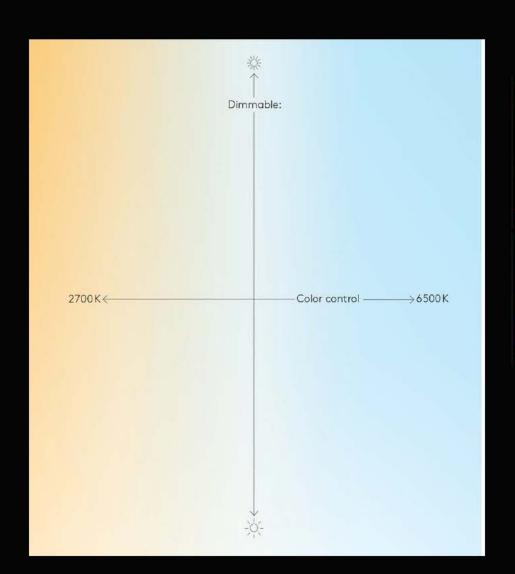






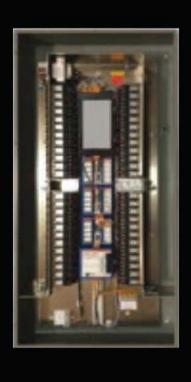
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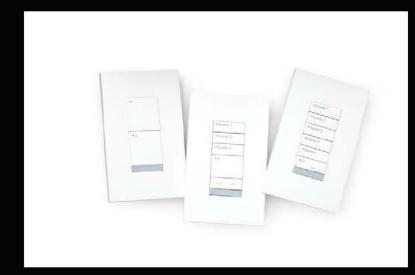




Dimming and lighting signal carried by centralized panels and processors or by local room controllers.

End Users have Keypads and touch screens to enable changes.

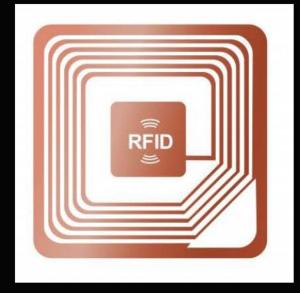








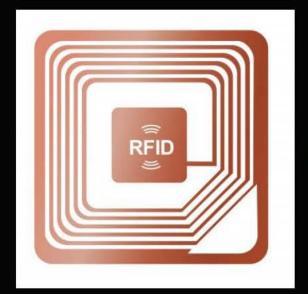














Wireless Mesh Network Wifi Modular and Self-healing





Co-working spaces

Offices

Healthcare Environments

Therapy Spaces

Educational Environments

Retail

Residential

**Hotel Rooms** 



Co-working spaces

Offices







Healthcare Environments

Therapy Spaces







Educational Environments







## Retail







Hospitality





## Designing for Personalization

Create multiple layers of light

Focus on Vertical surfaces

Create points of Focus

Create opportunities for Color

Think through
User
Experience



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Think through User Experience



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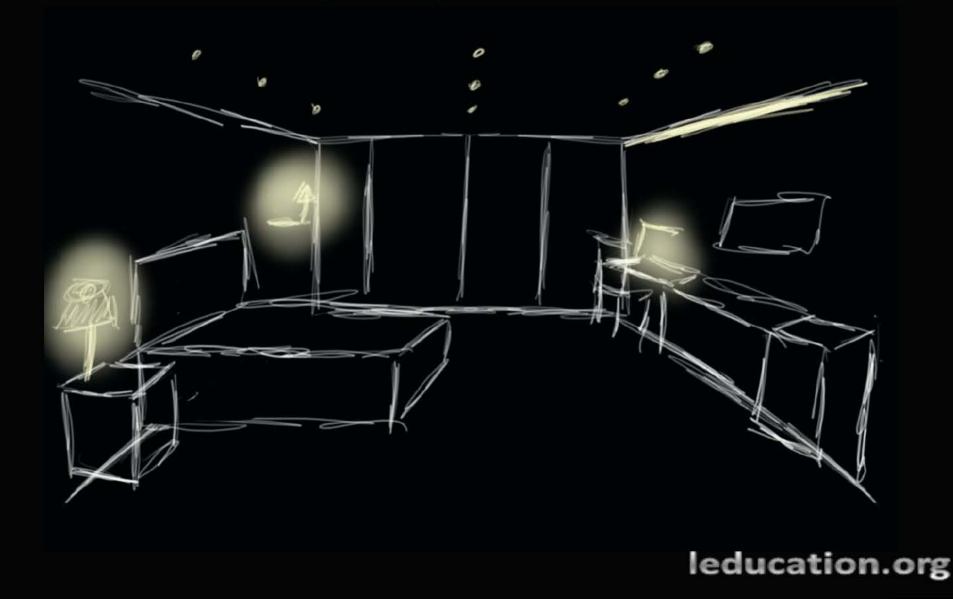
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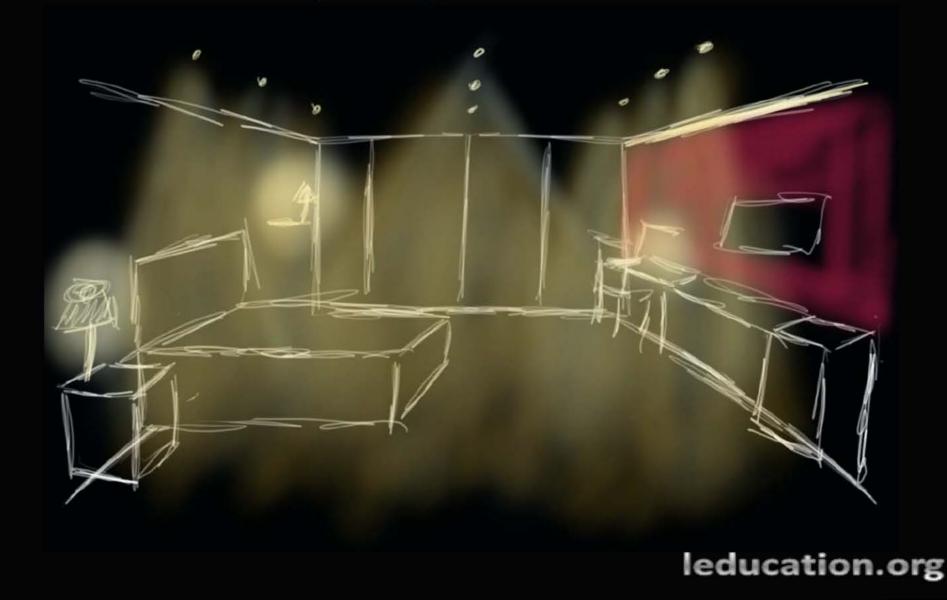
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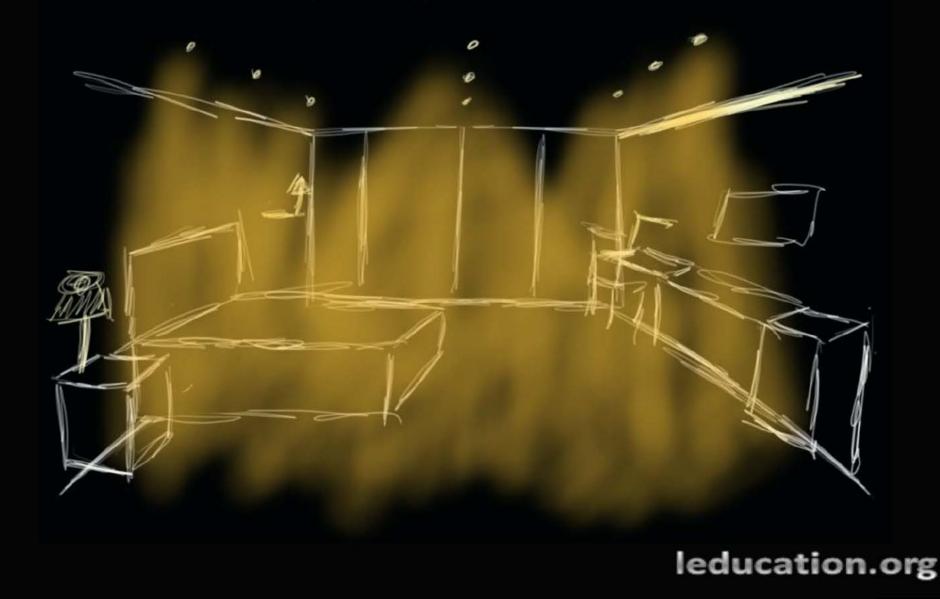
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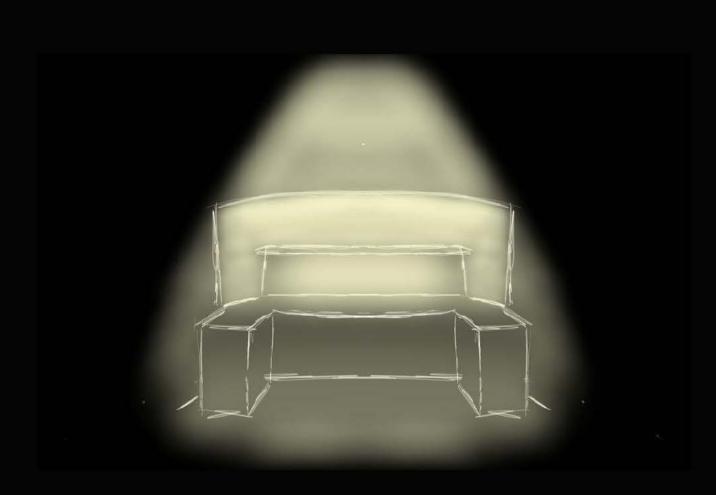
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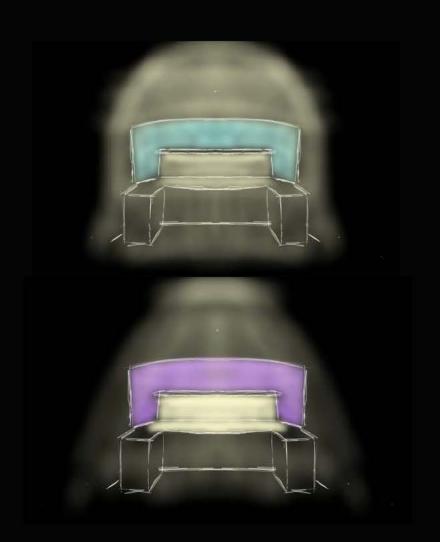
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This concludes The American Institute of Architects Continuing Education Systems Course

