

## Designers Lighting Forum

### **A Brighter Tomorrow:** Lighting for the Workplace of the Future

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



## Learning Objectives

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

1. Learn how lighting can be flexible to meet the needs of the future workplace.
2. Learn how lighting can foster collaboration and social engagement.
3. Learn how lighting can participate in design for a better space regarding mental health.
4. Through discussion, learn what ideas and solutions may be on the horizon for the future of workplace lighting design.

## Overview:

Since the onset of the global pandemic, the workplace has undoubtedly gone through significant changes over the past four years. We've seen changes to where people work, how people work, and our engagement in work. This session will discuss lighting trends for the workplace of the future. These trends include flexible solutions, new ways to foster collaboration and social engagement, making the hybrid workplace more successful, and mental health as it relates to lighting design. Please join us for a discussion of solutions, ideas, and inspiration for future designs that make the places we work at more effective and enjoyable.

# Who are we?



**Alison Fiedler**

Associate IALD, WELL AP

Associate, Senior Lighting Designer

Stantec



**Jessica Kennedy**

LC, WELL AP

Senior Lighting Designer

Stantec



**Rachel Fitzgerald**

CLD, LC, IALD, IES, LEED AP BD+C

Principal, Discipline Lead, Lighting

Stantec



• BACK TO THE OFFICE?



• FLEXIBLE SOLUTIONS



• COLLABORATION



• LIGHTING + MENTAL HEALTH



• INTUITIVE BUILDINGS



• SUSTAINABILITY

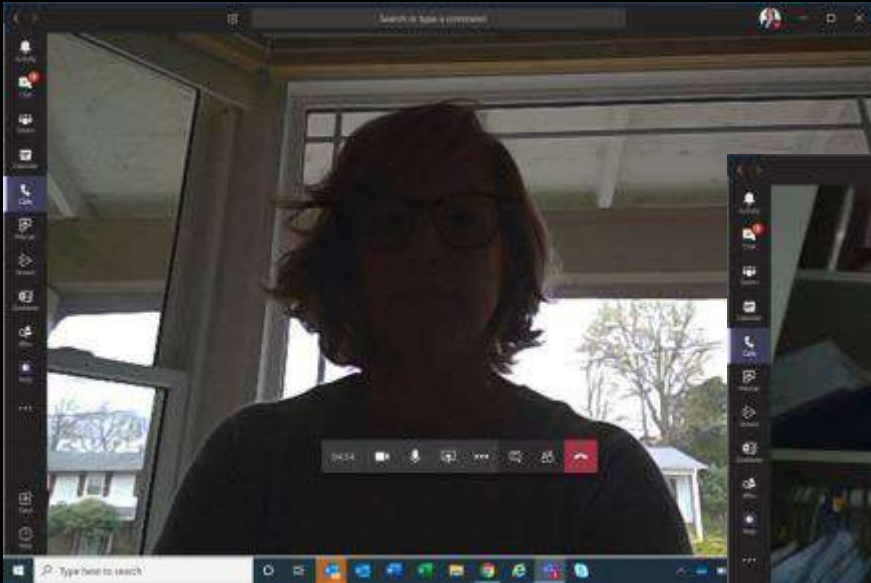
Are we back to the office?

# How do we make workplace lighting work well for everyone?





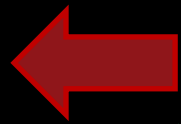
How many of us did this?



And this ???

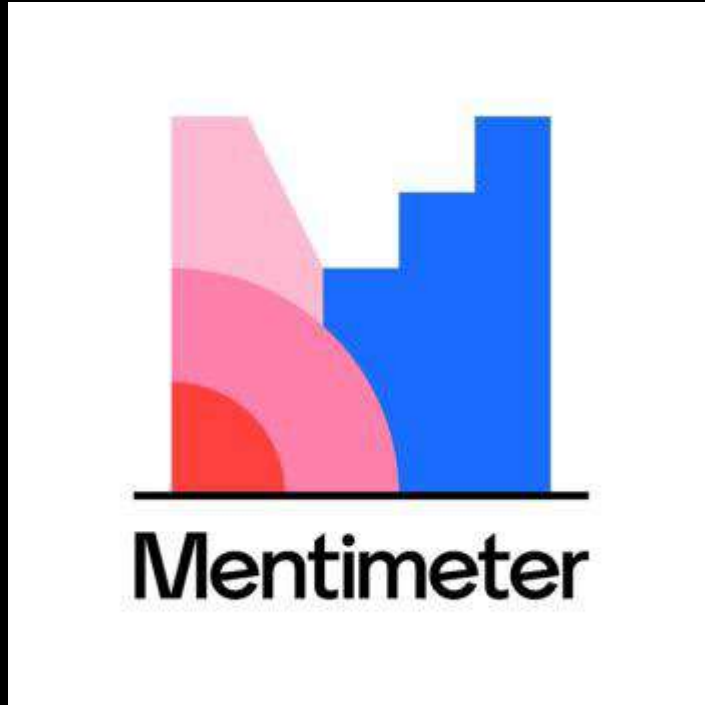


# The workplace has changed



THEN vs NOW





## Instructions

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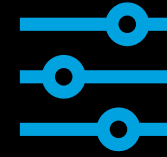
Enter the code

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Or use QR code

# Lighting that offers **Flexible Solutions**



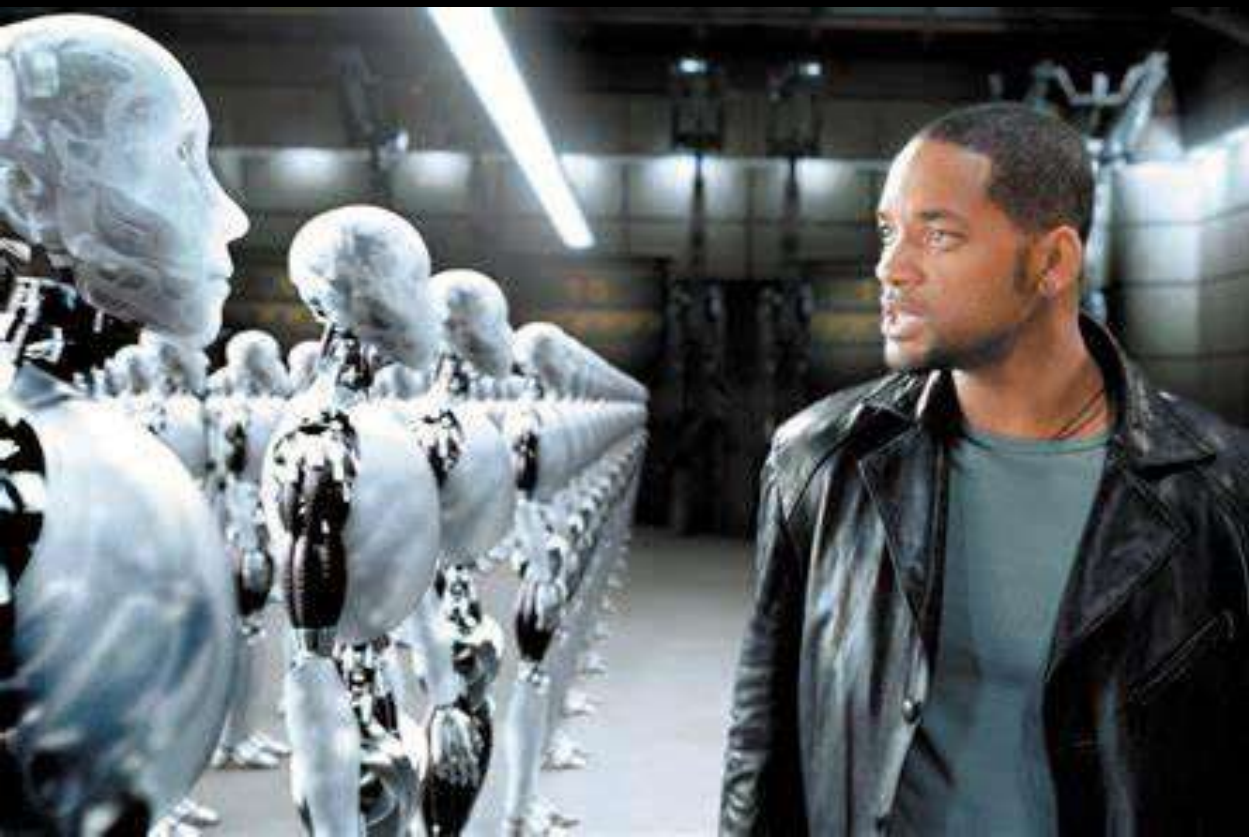
Haynes Boone, LLP | Denver, CO

# Flexible Solutions: Hybrid Workplace



# Flexible Solutions: **Indoor/Outdoor**





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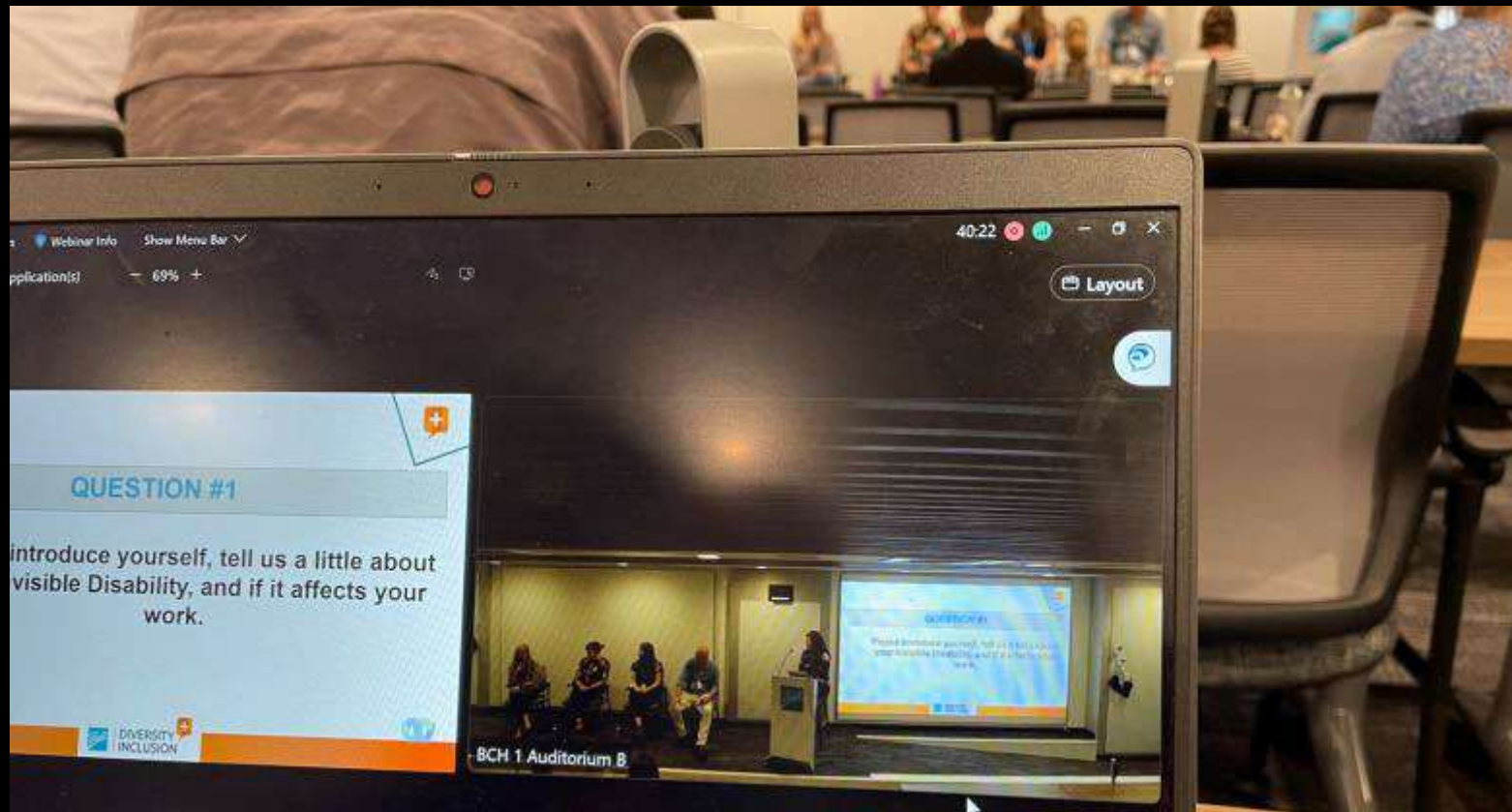
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# Lighting for Collaboration



# Collaboration: Equitable Experiences



# Collaboration: Learning From the Past



# Collaboration: Hybrid Environments

- High vertical light levels
- High uniformity at presentation walls
- Layers of light

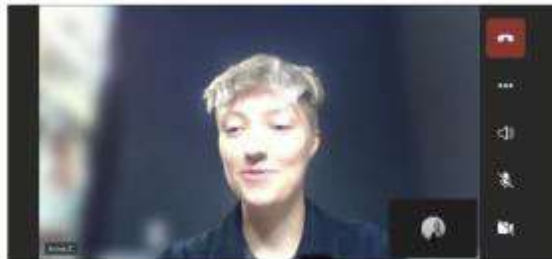




Lighting Off



Recessed Linear



Horizontal Linear - 100%



Horizontal Linear - Dimmed



Vertical Curved Linear - 100%



Vertical Curved Linear - Dimmed

## Collaboration: **Hybrid in-office**



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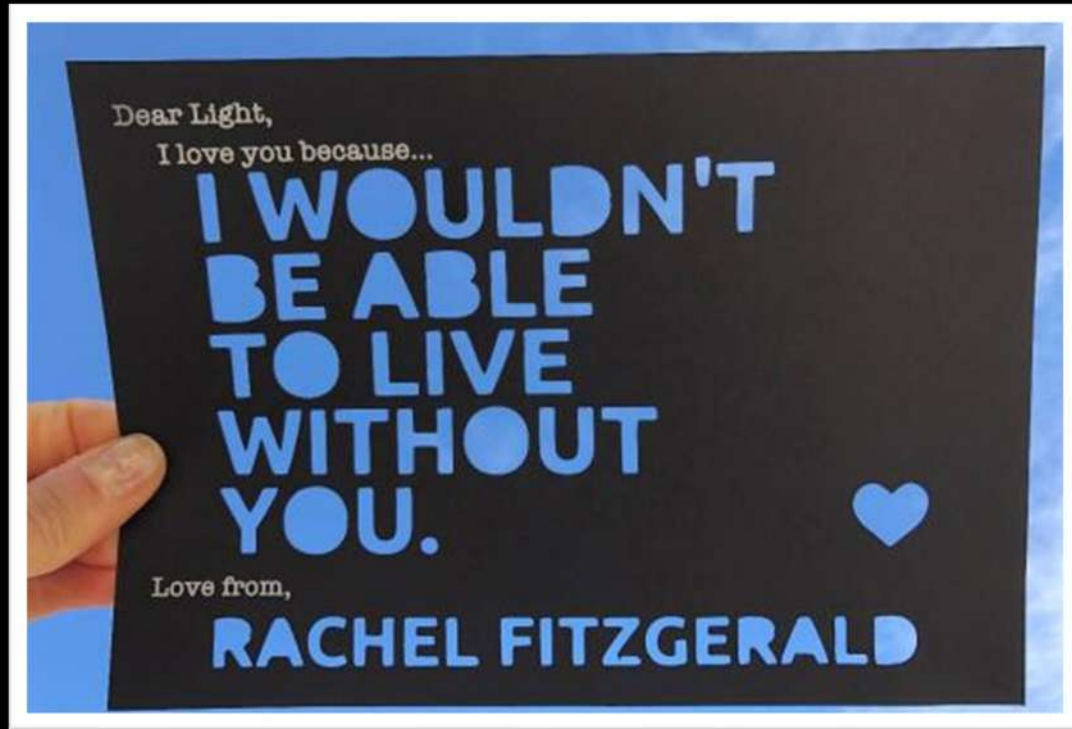
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# Lighting for (Mental) Health







# Mental Health: Influencing Your Space

- Areas of Refuge
- Lighting Controls: Color & Dimming
- Influence Your Space

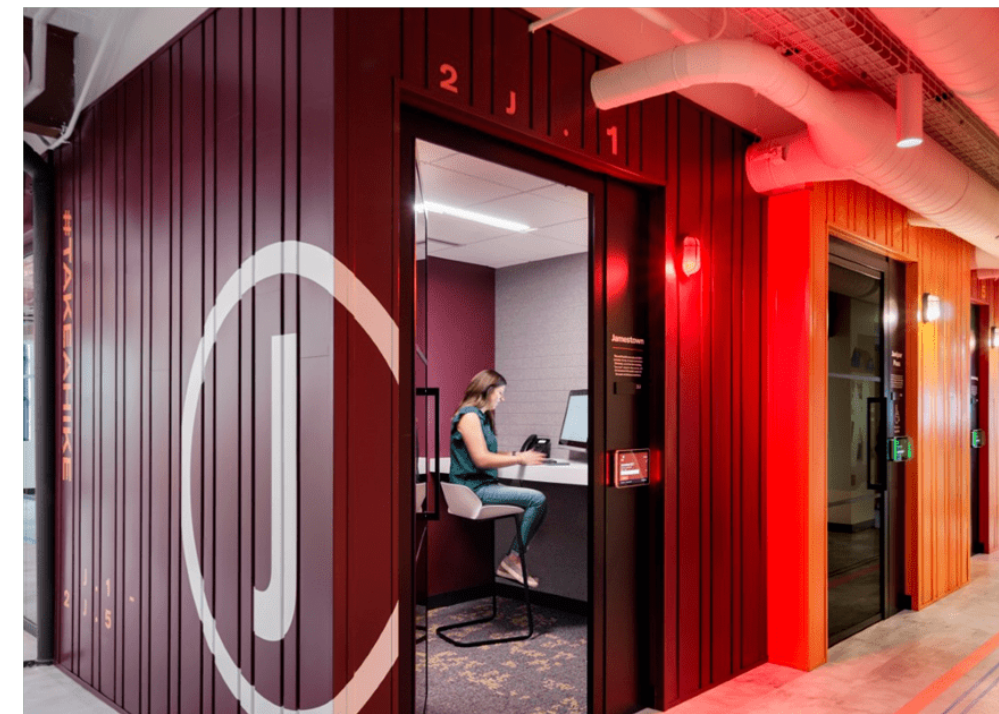


# Mental Health: Lighting Science

WARM



COOL





## Mental Health: Biophilic Connections

- Access to Daylight
- Highlight Texture & Materiality

# Mental Health: Moments of Joy





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# Lighting for What's Next



# What's Next: Speed of Change



## Intuitive Systems: **Mood Room**



“But the idea of a smart building is kind of passé. Even an intelligent building—those are table stakes. Today, it’s about the intuitive building, and that’s what we’re working on.”

- David Arena, JPMorgan Chase  
(McKinsey & Company Interview)



# Intuitive Systems: Power Over Ethernet



- New experiences and capabilities
- Real-time tracking of:
  - How spaces are used
  - Where people are located
  - Interior environmental quality (air, acoustic, light, etc)

# Sustainability: Circular Economy



Linear economy

Products are designed to be used and disposed at end-of-life.



Recycling economy

At end-of-life, some materials are recycled and reused in the same or a different use chain.



Circular economy

Following the 'reduce reuse recycle' approach, eco friendly products are designed to be serviced, upgraded, reused and refurbished.

"Developing a sustainable supply chain that feeds into the circular economy is an opportunity for lighting industry to model the transformation needed for a sustainable future. Manufacturers need to design differently by using more sustainable materials and to deconstruct differently by creating intentional designs for disassembly and recycling of luminaire materials."

-DOE BTO Solid-State Lighting Program  
"2022 DOE SSL R&D Opportunities"

Where **else**  
might we go?



Questions & Comments:  
**Keep the Dialogue going here:**



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# Thank you!



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