

HUMAN-CENTRIC LIGHTING DESIGN

FOR RETAIL AND COMMERCIAL ARCHITECTURAL SPACES

Course Number:	MG-TLS-AIA-01
Provider name & Number:	Media Graph 10129499
Credit Type:	1.5 LU HSW
Presentation Method:	On Demand

All participants must register using the registration URL provided below. After registering, participants will receive access to all course sessions. To receive AIA CE credit, participants must complete all course sessions and pass the required quiz at the end of the program. Certificates will be issued after successful completion of the quiz.

Registration URL: <https://learning.tls-led.com/login/signup.php>

Course Description: This course introduces the principles and practical applications of Human-Centric Lighting (HCL) in commercial and retail spaces, with a focus on health, well-being, and performance. Participants will learn how light affects circadian rhythms, mood, alertness, and overall user experience through both visual and non-visual effects. Using scientific research, real-world case studies, and emerging technologies, the course covers adaptive lighting strategies such as tunable white lighting, dynamic and layered systems, spatial zoning, and smart IoT controls. Attendees will also explore key North American lighting standards, including WELL and UL guidelines, and learn how to design lighting solutions that are functional, sustainable, and emotionally engaging. Ideal for architects, designers, and lighting professionals, this course equips attendees with the skills to create health-focused, adaptive lighting environments that support wellness, productivity, and user connection.

Learning Objectives: By the end of this course, participants will be able to:

1. Describe the principles of Human-Centric Lighting (HCL) and its impact on human health and performance, including how lighting supports both visual and non-visual needs such as mood, cognition, and circadian regulation through color temperature, intensity, and timing.
2. Analyze the physiological and biological effects of light on circadian rhythms and explain the scientific basis for circadian-supportive lighting in the built environment.
3. Apply key HCL design strategies in commercial and retail settings using techniques such as tunable white lighting, spatial zoning, dynamic and layered systems to enhance occupant well-being, customer engagement, and brand experience.
4. Evaluate current standards, regulations, and innovations in HCL, including WELL Building Standard, UL and IBC codes, as well as emerging technologies like IoT-enabled systems, personalized lighting controls, and adaptive daylight-responsive environments.