

LightFair 2019 Course LEUs

Code	Title	NCQLP LEU
L19L02	Intermediate Lighting (2-day)	12
L19L03	AGi32 Software - Basic Course	4.5
L19L05	Networked Lighting Controls Hands On	12
L19L06	Creating Control Intent Narratives and Sequence of Operations	6
L19L07	LED Luminaire Design: Beyond the Basics, Tips-Tricks for a Better Product	6
L19L08	Characterizing Spectrum in the Built Environment: Why and How?	6
L19L09	Advanced LED Luminaire Design: A Deep Dive into Two Products	6
L19W01	Become an expert in Melanopic Stimulus measurement and improvement	3
L19W02	Growth Strategies for Existing and Emerging Lighting Applications	3
L19W03	DMX512 for Architectural Applications	1.5
L19W04	LEDs and Lighting Controls 101	3
L19W05	Hands-on Introduction to Light Measurement & Standards	3
L19W07	The Internet of Things for Lighting Applications	3
L19W08	Controls Intent and Performance Specs for Connected IoT Lighting Projects	3
L19S01	Smart Parking Lot Lighting Systems: Do They Really Work?	1.5
L19S02	It's Occupied – What's Next? Patient Room Survey and Control Data	1.5
L19S03	User Experience Illuminated: Take Charge of Your Control Design	1.5
L19S04	Moving Beyond 20th Century Color Metrics for 21st Century Lighting	1.5
L19S05	Dynamic Lighting is Art, Health + Good Business	1.5
L19S06	PoE Lighting - The Now and How	1.5
L19S07	From Photobiology to Lighting Applications for Health	1.5
L19S08	Sketching Successful Lighting Details	1.5

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L19S09	Dynamic Sports Lighting and Controls	1.5
L19S11	Game Changer: The Evolution of the Lighting Model behind ASHRAE 90.1	1.5
L19S12	Tuning the Classroom for Student, Teacher, and Energy Benefits	1.5
L19S13	Restaurant Lighting: The Secret Recipe - Served Up (Part two)	1.5
L19S14-LL	Lunch & Learn: The Perfect Light Project	1.5
L19S15	Keeping Up with Change - Annual Industry Update	1.5
L19S16	Nighttime Design – New Approaches for Cities to Thrive	1.5
L19S17	Cameras for Videoconferencing have Evolved, Have We?	1.5
L19S18	Image-based Human-centric Daylight Assessment	1.5
L19S19	Spectrum matters (or, Daylight, moonlight, firelight, LEDs...)	1.5
L19S20	What's Next with Energy Codes?	1.5
L19S21	Dynamic Daylighting Design: Biophilic Applications to Practice	1.5
L19S22	IoT 2.0 Light optimization using machine learning tools	1.5
L19S23	Do Metrics Matter?	1.5
L19S24	Lighting and Media: A Convergence Conversation	1.5
L19S25	Methods of Measurements for LEDs and LED Lighting	1.5
L19LH01	Better than Blue Light	1
L19LH02	The Role of Tunable Lighting in Optimizing Human Physiology	1
L19LH03	Light Tuned for Health: Fad or Future?	1.5
L19LH04	On the Horizon: New Recommendations for Circadian Entrainment	1.5
L19LH05	Designing Lighting, Daylighting and Controls to Meet the WELL Building Standard	1
L19LH06	Non-visual effects of light for education	1
L19CL01	IoT Connected Lighting: A Design Guide	1.5
L19CL02	Connected lighting: What are the benefits again? A look at a field study	1.5

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L19CL03	Connected Cities Now: Smart Streetlights and Master Plans for Cities	1.5
L19CL04	Why smart lighting infrastructures create the most reliable IoT networks	1.5
L19CL05	LiFi: Visible Light Communications for 1-Way, 2-Way and V2V Transmission	1
L19LL2	Exhibitor Led Lunch & Learn: Open Ceiling Design sponsored by Acuity Brands	1.5
L19SM01	Visualizing Innovations in Daylight Modeling	1
L19SM02	Winning the VE Game: How to Navigate the Strong Currents of Value Engineering	1
L19SM04	Wildlife as Formgiver in Lighting Design	1
L19SM06	Fundamental & Inspirational Light	1
L19SM07	Lighting Design with Electrical in Mind	1
L19SM08	The Poetics of Darkness	1
L19SM09	The Gowanus Lighting Atlas	1
L19SM10	Lighting Design for Art Museums as a Team Effort	1
L19SM11	Horticultural Lighting for Industrial Applications: What Really Matters	1
L19SM12	University Lighting: A Practical Approach to Standards, BAS and Energy	1
L19SM13	In the Beginning There was Daylight	1
L19SM14	Charles Rennie Mackintosh: Architect as Lighting Designer in the 1900s	1
L19SM15	City Wide Master Lighting Plan Case Study; Bryant, AR	1
L19SM16	Lighting to counteract the Hunt Effect	1
L19ST01 - TOUR	Dilworth Park - Evening Exploration	1.5
L19ST02 - TOUR	Liacouras Center: LED Sports Lighting at Temple University	1.5
L19W10	Museum Lighting: A Recommended Practice	3