



ASLA CONNECTICUT

The Connecticut Chapter of the American Society of Landscape Architects presents:

LIGHTING FUNDAMENTALS: FOOT CANDLES, POLES, and POLLUTION PREVENTION

Date: Tuesday, June 19, 2018 / 8:15 a.m-12:30 p.m.

Location: CTASLA/AIA-CT OFFICES – 370 James Street, New Haven, CT ([Directions](#))



Program registered with LACES for 3.0 PDH/HSW
and AIA-CES for 3.0 LU/HSW

(Note: Persons who miss a portion of the training — arrive late or leave early — will NOT be issued a Certificate of Completion.)

Cost: \$60 Member of ASLA & AIA
\$90 Non-members / \$30 Students (with ID)
(includes continental Breakfast)

[REGISTER ONLINE](#) OR complete the form below and mail back with payment by June 15, 2018.
Note: SPACES ARE LIMITED!

Questions? Contact Jeff Mills at executivedirector@ctasla.org or (860) 454-8922.

EVENT SPONSOR



BREAKFAST SPONSORS



BREAK SPONSORS



ADDITIONAL EXHIBITORS:

Aristeia, HG Stones, Kichler



REGISTRATION FORM

[Register online](#) with your credit card,
or complete this form and return with
your check (payable to "CTASLA") to:

CTASLA
c/o J.M. Communications
35-31 Talcottville Road, Ste. 318
Vernon, CT 06066

Deadline: JUNE 15, 2018
(no refunds after this date)

Name: _____

ASLA or AIA Member Number (if applicable): _____

Company: _____

Mailing Address: _____

City/State/Zip: _____

Email Address(es): _____

____ Member(s) of ASLA or AIA attending @ \$60 each = \$ _____ total

____ Non-Member(s) attending @ \$90 each = \$ _____ total

____ Student(s) attending @ \$30 each = \$ _____ total

TUESDAY, JUNE 19
370 JAMES STREET
NEW HAVEN, CT

ASLA
CONNECTICUT



**LIGHTING FUNDAMENTALS:
FOOT CANDLES, POLES, and POLLUTION PREVENTION**

Schedule:

8:15-9:00 Breakfast, Registration, and Sponsor Demonstrations

9:00-9:10 Welcome and Introductions

9:10-10:00 Dark Skies

Presenter: Leo Smith, Northeast Regional Director, International Dark Sky Association

This talk will address the light pollution prevention and energy conservation principles of Dark Skies. The speaker will review the technology behind LED lighting and why, with directionality, lighting levels from an LED need to be only about one-third the illumination levels from a high pressure sodium luminaire to achieve visibility equivalence. The presentation will also cover the benefits of minimizing the amount of certain blue wavelength emissions that are harmful to dark skies, the ecology and human health. Connecticut building code requirements for light pollution control and sample municipal codes will also be discussed.

10:00-11:00 Foot Candles, Photometrics, and More

Presenters: Cliff Gilbert & Adam Smith, Illuminate

The right lighting for a project not only enhances landscape design, it is an important safety feature that is regulated by municipalities, particularly on public, municipal, and commercial projects. Cliff and Adam will cover selecting the right light source (LED vs traditional), light distribution options, color temperatures, when and where to use them, and how the specifier and lighting consultant can work together effectively to provide adequate lighting levels while meeting IES recommendations.

Photometrics are a valuable tool used to ensure that design goals and regulatory requirements are met. Our speakers will cover the basics of IES recommendations used in guiding photometric calculations, how these calculations are developed, what information is needed from the specifier to create the calculation, and how to interpret them.

11:00-11:20 Break / Networking

11:20-12:20 More Than Just a Pole

Presenter: Andrew Galsterer, UniPost Systems

The right pole is more than an aesthetic choice, it is also a public safety issue. Andrew will explain the effects of wind-induced vibrations on steel and aluminum poles including how to predict and minimize the likelihood of harmful Aeolian (wind) vibration on light structures, how to use a wind load chart and why it is important in pole selection, and recommendations on inspecting poles for signs of Aeolian vibration as well as the best means to mitigate its effects.

12:20-12:30 Evaluations and final Q&As

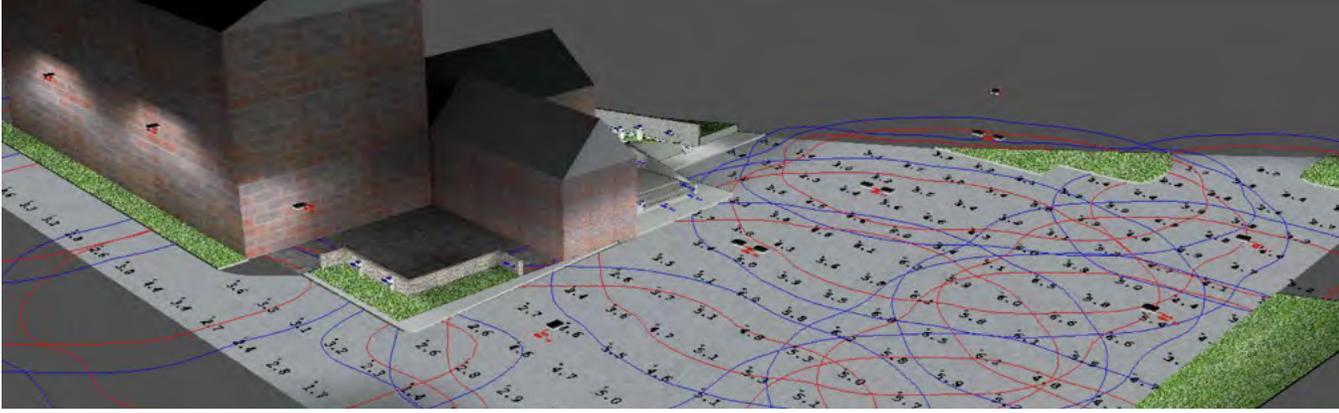


TUESDAY, JUNE 19
370 JAMES STREET
NEW HAVEN, CT

ASLA
CONNECTICUT



**LIGHTING FUNDAMENTALS:
FOOT CANDLES, POLES, and POLLUTION PREVENTION**



About the Speakers:



Andrew Galsterer has nearly 20 years of experience in the lighting industry in the roles of marketing, sales, and product management. Product lines include light poles, medical lighting, and architectural lighting. He is currently the Partner Relations Manager for United Lighting Standards (commercial, industrial, decorative, sports, and roadway light poles) and the Product Manager for UniPost Systems (decorative, modular light pole and accessory systems).

Cliff Gilbert has spent the last 10 years in the lighting industry focusing on Fairfield County in all sectors, including Interior and Exterior, Commercial, Institutional, and Residential. He currently manages the Fairfield County area for Illuminate (formerly Vanguard Lighting) and has held this position for nearly six years. Prior to working for Illuminate, he worked for Lightolier locally in Connecticut, and held Regional Sales Manager roles for both Philips and Hess America.



Adam Smith is an Applications Specialist at illuminate. He has been in the lighting industry for 10 years and is a board member of the Hartford chapter of the Illuminating Engineering Society of North America. He has held roles as a Lighting Designer and Lighting Manufacturer Representative. Over the course of his career, he has assisted countless projects with design and technical knowledge.

Leo Smith has been on the Roadway Lighting Committee of the Illuminating Engineering Society (IES) since 2006, and serves as the Regional Director for New England, NY, and NJ of the International Dark Sky Association (IDA). He served on the Model Lighting Ordinance Task Force, a joint project between IDA and IES, and has worked with Connecticut legislators to develop draft amendments to the building code to cover parking lot lighting.

