

LUMINOUS SPEC

SPRING 2018

“...we tell a narrative of escape and fantasy, which has to be **comfortable and spectacular** at the same time.”

FEATURED PROFILE

David Ghatan

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FEATURED PROFILE

David Ghatan

It's about engagement and education



In addition to crafting emotive narratives through light, David Ghatan, President of CM Kling + Associates, is committed to championing the lighting design profession, most recently as incoming International Association of Lighting Designers (IALD) President. He envisions the role of a lighting designer as a translator in many cases, between various designers, architects and engineers, and as such, relies on the multi-disciplinary backgrounds of his firm's team when engaging with their clients.

What led to your career in lighting design?

As a child, I wanted to be an architect, and spent hours building cities with my toys. Changing, building and conceiving things really drove me, and this continued as I became involved in theater. There, I was fascinated with the interaction of the human experience, which in many ways could be very ethereal and disconnected. I was involved in theater, including work-study program, at George Washington University, where part of the scope was to oversee the lighting and make sure it was prepped. I loved it; breaking it down to a concept, a design development and then implementation. I was fortunate that Candace Kling offered me an internship at her firm; I continued designing there through college, and then grew through the ranks after graduation and ultimately became president in 2013. She and I were very close and we shared a passion for theater lighting.

How do you tell a story through light?

In theater, there's often a physicality to light where you can reach out and touch it. Most of my hotel work is a derivative of my theatrical storytelling experience using that physicality. For hotel properties, and especially resorts, we tell a narrative of escape and fantasy, which has to be comfortable and spectacular at the same time. For example, when we develop a dimming scene for a restaurant or a hotel lobby, it's not a quick fade at sunset. It's balancing what the lighting is doing and fading over a half-hour period to be unnoticeable to the guest. Guests should never perceive that light has changed, yet the space should feel right. You design light so it's smooth and seamless. Honestly, it was easy when things were two wires and a dumb filament. Things dimmed predictably; they were wired predictably. As our profession depends more on digital technology, we've learned a lot about how dimmers react, how new light sources perform in their lowest dim level or, from an optical perspective, how stark or tight a beam is versus a diffused beam. It's interesting to witness.

Why is it important for you to be involved in lighting design associations?

Associations nurture a community. That community provides education, camaraderie and advancement in the field. This includes the scope of services we, as lighting designers, offer, developing a strong voice as a group when it comes to regulations, and learning from colleagues. Associations have an important role in a profession that has grown from fledgling to a recognized global profession. If you think about it, even 20 years ago, many significant buildings were built without a lighting designer involved. Either the architect was working on it with a manufacturer, which still happens in some parts of the world, or the engineer was doing it, but nobody was specialized in lighting design. Now, most buildings of any importance, including new construction and renovations, have a lighting designer on the team. We are growing up as an industry and part of that growth is self-reflection and taking ownership for our professional services from documentation to project responsibilities. We need to push for early involvement in the design planning stages, so that we can properly execute projects, influence daylighting conversations, and truly integrate lighting with the overall design process. It's not conducive to project success if we arrive after most things are planned and are only expected to apply lighting or overcome obstacles in the space planning, finish decisions, or building orientation. We are now engaged in those conversations earlier and earlier. It's not that lighting designers were considered secondary; it's that our design, architect and engineer partners weren't educated on the value we provide by being involved early in the process. They thought we could show up and hand them a bunch of cutsheets, and that was the extent of our involvement. It's more complicated than that.

What do you want to accomplish as the incoming IALD president?

Much of IALD’s scope of work is already defined and our actions are intentionally omniscient in vision: the visible success of our members and the growth of the lighting design industry. We’re already working towards those goals. We nearly doubled membership in the past five years to over 1400 members worldwide. This helps us to affect a much broader conversation, because lighting designers speak many languages. That makes us the perfect glue to lead some of those conversations. We’ve grown internationally, especially in Japan, Australia and Europe. We have two new European chapters; in the Alpine region and the Netherlands. We can apply our strength regionally, like educating European Parliament members and regulatory groups on light and health, and how this might enter into a regulatory conversation. We have a number of events next year to foster communication and grow the community. The more I attend these events, the more I understand that everyone takes lighting and lighting design very personally. As these forums facilitate a dialog between designers, we quickly become family. We use the same principles, means and methods, although we may apply them differently. Designs may adjust to the end-user’s sensitivities like color temperature, brightness, or glare, but quality and quality design are universal. We rolled out the Certified Lighting Designer credential, giving our role greater professionalism and gravitas. I’m proud to have achieved my certification last year. One critical element of the credential is that renewal is required, so you must continually educate yourself in the design industry. That means having fluency in controls, and some knowledge of light and health as we’re at the seminal moments in how that design process needs to work. IALD’s 50th anniversary is coming up in 2019. The IALD Education Trust has focused their work, and we’re starting to see exciting payoffs as students attend events.

What challenges do you see for lighting designers?

It’s exciting to see possibilities, but it’s also easy to lose focus among all the bells and whistles, and not maintain the core principle of producing proper illumination for a space and for the human activity in it. We shouldn’t abandon 100 years of lighting science in the wake of new technology. We have to find ways that the new and current technologies can coexist, because the knowledge we’ve accumulated continues to be valuable. Challenge traditional approaches, as appropriate, but don’t blindly accept the next thing that’s new and shiny. For example, the loss of design perspective in the manufacture of downlights and accent lights makes me crazy. It has become

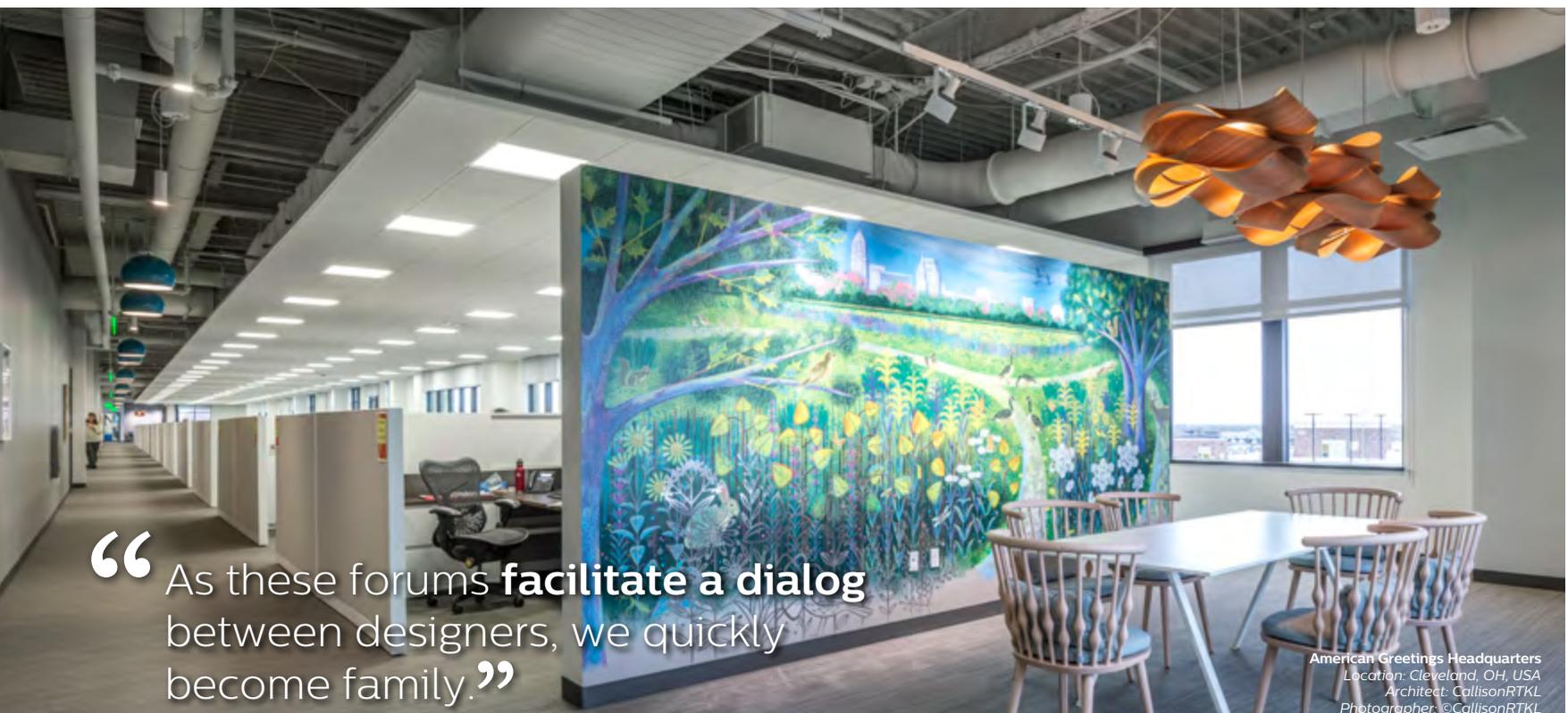


Music City Center
Location: Nashville, TN, USA
Architects: tvsdesign, Tuck Hinton, Moody Nolan
Photographer: Courtesy of tvsdesign

acceptable to produce one-inch deep cones on recessed downlights and accent lights causing minimal or non-existent glare control which must be managed through a lens. The challenge to develop smaller form factors has, in some cases, taken us past the threshold of comfort and good design. I’ve posed the question to a number of manufacturers as we look to use their product, “Are you building a better product? Or building something simply to compete against another manufacturer?”

How do we educate on the importance of lighting designers as experts, and encourage people to not only use them, but encourage the next generation to become one?

There’s no silver bullet. It’s about engagement. The more that designers and the lighting world are engaged with the technology world in conversation about lighting design, proper lighting within a space and integration with the technology change agents are trying to apply, it becomes a co-development and not one-sided. Some of that starts, in my opinion, with people like yourselves. In a multi-national brand with multiple disciplines, like Philips, you focus on lighting technology and lighting controls, as well as lighting necessity and performance. You have technology capabilities that are not lighting specific, but live in the same space. While you may be doing it right and engaging in the right conversations, there are ten others who are not, who are just looking to compete. It’s really about engagement and education. Lighting designers need to take ownership of our expertise, not let others define it for us, and be at the forefront of those conversations. We don’t need to be technologists. We don’t need to know everything, but we can’t be reactionary. We need to claim our role as agents of idea-generation, positive change, and adaptors of new technology in quality designs.



“As these forums **facilitate a dialog** between designers, we quickly become family.”

American Greetings Headquarters
Location: Cleveland, OH, USA
Architect: CallisonRTKL
Photographer: ©CallisonRTKL

PROJECT SPOTLIGHT

FLEXIBLE LIGHTING FOR THE NEXT EVOLUTION IN WORKSPACES

ATLAS Workbase in Seattle, Washington is a new concept in shared workspaces; complete with personalized services and enhanced environments to foster productivity. Members can reserve premium spaces from large to small, and private to communal; and for activities from team meetings and video conferencing, to independently conducting business. With such a broad offering, the owners required a lighting system with an equally widespread and flexible scope of capabilities and options, while complementing their sleek yet comfortable atmosphere. Philips Dynalite controls included occupancy and daylight sensors, along with scene setting and scheduling, so that the space could be optimized according to usage. Additionally, Antumbra iColor Keypads were installed to allow users to control and customize their lighting according to mood or task. ATLAS Workbase clients, from traveling executives to professional freelancers, can now experience a comfortable, top quality workspace outfitted with high-quality lighting that suits their individual needs and preferences.

Technology: Philips Ledalite Chopstick Suspended LED, Philips Ledalite ArcForm recessed LED, Philips Ledalite Jump Suspended fluorescent, Philips Ledalite TruGroove linear recessed, Philips Lightolier Calculite LED, Philips Lightolier LyteProfile LED, Philips Day-Brite LINC'S Undercabinet, Philips luminous textiles, Philips OneSpace luminous ceiling, and Philips ColorKinetics eW Cove MX Powercore

Learn more about [Atlas Workbase](#)



ATLAS Workbase in Seattle, WA



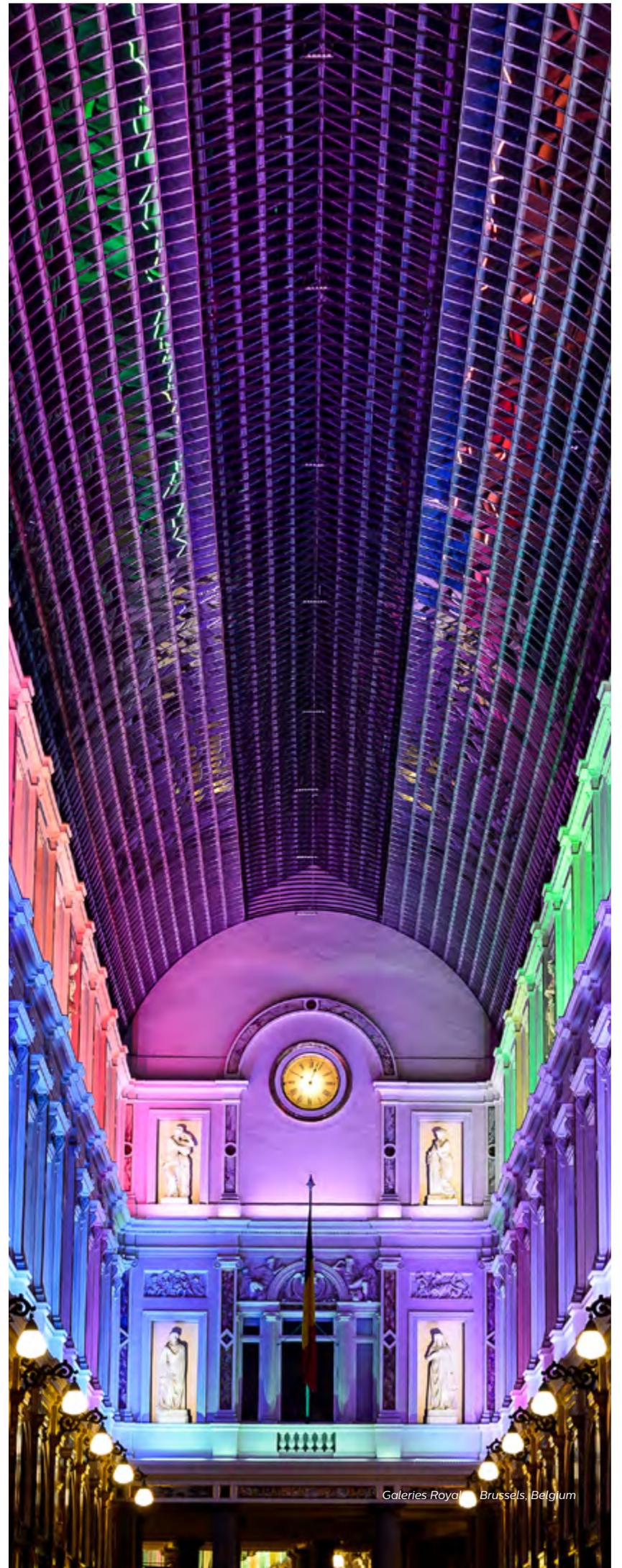
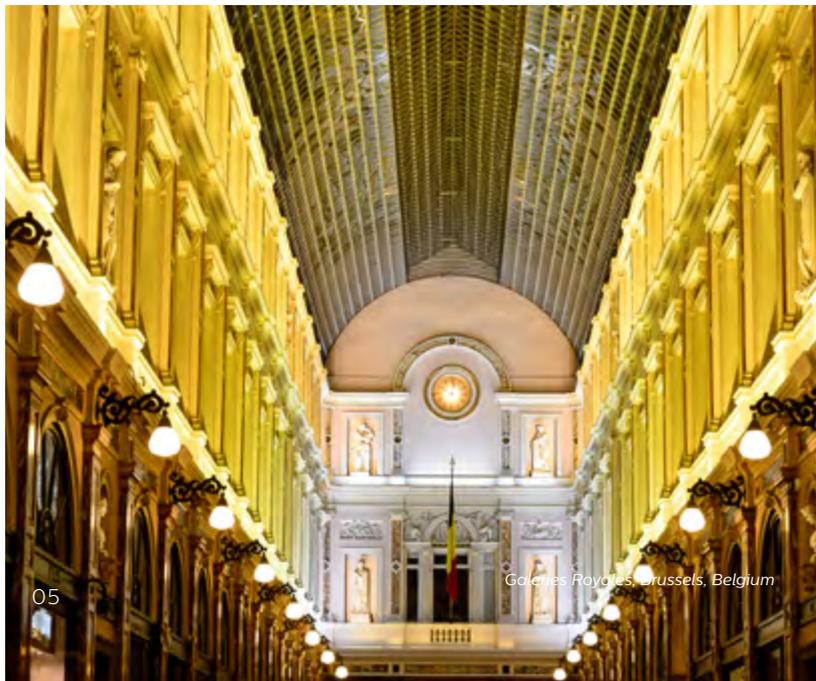
ATLAS Workbase in Seattle, WA

AROUND THE WORLD

MODERN LIGHTING ENRICHES HISTORIC SPLENDOR

In Brussels, Belgium, the Galeries Royales landmark shopping arcade has been attracting patrons for over 170 years. Much has changed since the graceful arches, ornamental columns and elegant adornments nestled under its soaring glass roof were illuminated by the warm glow of gas lamps. So, when lighting design company Magic Monkey won the opportunity to revitalize this grand space, they wanted to integrate the latest lighting technology while still respecting the site's history and heritage. Philips Color Kinetics PureStyle IntelliHue Powercore and PureStyle Intelligent Color RGBA Powercore luminaries were chosen for their finely tunable range of colors and white hues; as well as their compact size that can discretely tuck into and around the space without compromising visual quality. The new lighting system fills the space with a warm glow that mimics that of the original gas lights, while offering long-lasting performance and energy-savings for the site's owners and maintenance crews. In addition to the classic charm, the lighting system captures attention and energizes the space with a weekly special light show synced to music, and other dramatic color changing effects to mark special occasions.

Technology: Philips Color Kinetics PureStyle IntelliHue Powercore, Philips Color Kinetics PureStyle Intelligent Color RGBA Powercore



INDUSTRY NEWS



Meet the CLUE competition jurors

We are delighted to announce the seven-member CLUE competition jury; each contributing an incredible depth of experience and expertise in lighting design towards evaluating this year's lighting design submissions. This year's theme is **Light and our other senses**, and winners may receive one of three grants totaling \$8,500, as well as a trip to Chicago, IL for LIGHTFAIR® International 2018.

To learn more about our judges, visit: www.cluecompetition.com/competition.php#block_jury



Marie Belzil,
Multimedia director at
Moment Factory



Sinisha Brdar,
Architect and Professor, School of
Design, UQAM



Peter A. Hugh
Founder of Hugh Lighting Design



José Manuel dos Santos,
head of design at Philips Lighting,
Americas



Jeff Shaw
Lighting designer and associate
director at Arupn



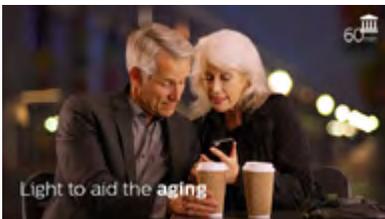
Zachary Suchara
director and associate principal of
Luma Lighting Design



Sandra Vásconez
Senior Instructor, University of
Colorado Boulder

EDUCATION

Webinars



Lighting for visual performance, circadian health and safety in older adults

Learn how the aging visual system affects visibility, sleep and risk of falls, and how lighting schemes can be used to overcome some of the negative consequences associated with the aging eye by promoting everyday visual performance in the home and elsewhere in the built environment. This webinar will also cover the basics of the circadian rhythm, light's role in providing cues for its synchronization and how its stimulus can be integrated with lighting design for the promotion of health and wellbeing. Presented by Mariana G. Figueiro, Ph.D., Director of the Lighting Research Center (LRC) and Professor of Architecture at Rensselaer Polytechnic Institute.

Register or log in to view the complete archived webinar at: philips.com/lightingwebinars

Lighting Application Center

Light shapes what we see, do, and feel. The best way to learn about light and lighting is to experience it in three-dimensions, in full scale, and with dynamic, hands-on engagement. That is what happens at the Lighting Application Center, located at the Philips Lighting Company North American headquarters in Somerset, New Jersey.

Here, visitors experience how lighting impacts people and spaces through over 20,000 square feet of indoor interactive and demonstrative areas, and outdoor demonstrations. Independent lighting professionals provide practical information on the latest in lighting technology – solid state, lighting systems and services, daylight control, and energy-efficient display sources, as well as application techniques. Skills and knowledge gained here will help to improve project outcomes and support successful enterprises.

Experience light your way

For added convenience, visit our applications center in Markham, Ontario, Canada, or take advantage of distance learning via our online e-learning tools and webinars.



Continuing education credits

Upon completion of each workshop, participants receive a certificate with professional development hours that may be self-reported for possible Continuing Education credit. Some programs offer AIA Learning Units. See program agendas or announcements for specifics.

Visit education.lighting.philips.com for onsite class schedules and online courses/elearning/e-videos.

EDUCATION

2018 Specifier Seminar Schedule

Now's your chance! Architects, engineers, lighting designers, and other specifying lighting industry professionals looking to stay abreast of the latest LED technology trends and information will benefit from these educational programs hosted by Philips Lighting. Participants are responsible for travel and lodging. Availability is limited, so contact your Philips Lighting representative today for enrollment in one of these programs, also detailed at www.philips.com/lighting/education.

Lighting Trends and Technology Update

SYNOPSIS: Visit the Lighting Applications Center (LAC) at Philips Lighting North America headquarters to learn about the latest LED lighting technologies, including Philips Lighting innovations, and discuss the latest industry information, insights and implications with independent and renowned industry experts and guest lecturers.

CEU/AIA: 7-9 credits earned

LOCATION/DATE: Somerset, NJ, March 6-8, 2018
 Somerset, NJ, June 19-20, 2018
 Somerset, NJ, September 12-13, 2018
 Somerset, NJ, December 4-6, 2018

Lighting Excellence Workshop

SYNOPSIS: Take a hands-on, technical approach to LED luminaire design and manufacturing processes, using examples from Philips Lighting brands made on-site. Learn practical applications, talk to a cross-functional team of lighting experts, and take a tour of the factory for a behind-the-scenes understanding of these key products.

CEU/AIA: 1-2 credits earned

LOCATION/DATE: Philips Lighting Day-Brite/Chloride facility, Tupelo, MS, February 21-22, 2018
 Philips Lighting Gardco/Hadco/Stonco facility, San Marcos, TX, July 25-26, 2018
 Philips Lighting Ledalite facility, Langley, BC, Canada, October 24-25, 2018

Additional dates at Tupelo, MS and San Marcos, TX locations to be announced.

Philips Lighting Open House

SYNOPSIS: Tour a Philips Lighting manufacturing facility to learn how luminaires are crafted, and meet the lighting experts behind the design and manufacturing process.

LOCATION: Philips Lighting Lightolier facility, Fall River, MA
 Philips Lighting Hadco facility, Littlestown, PA
 Philips Lighting Lumec facility, Boisbriand, QC, Canada

Workshops

Lighting Fundamentals

SYNOPSIS: The three and a half day workshop offers an introduction to lighting for those beginning in our industry; covers light and vision, light sources, luminaires, controls, and basic applications indoors and out. This workshop leverages the multi-million dollar LAC demonstrations, hands-on exercises, full scale vignettes, off-site observation and group activities to develop a comprehensive understanding of fundamental lighting technology and applications.

LOCATION/DATE: Somerset, NJ, April 16-19, 2018

The Philips Difference

SYNOPSIS: This two day workshop is an overview of Philips indoor and outdoor lighting portfolio with options for systems and control from simple stand-alone devices to luminaire-integrated solutions to scalable and networked lighting management systems to connected lighting. Content evolves with new product development.

LOCATION/DATE: Somerset, NJ, April 23-24, 2018



Lighting University

A comprehensive range of educational resources for people to expand their lighting knowledge.

Visit philips.com/LightingUniversity

TECHNICALLY SPEAKING



Along the BIM journey

Technology is an agent of positive change, yet it's seldom a simple, quick or direct transition from old to new functionality. One has to look no further than smart phones, cryptocurrency and LED light sources to find real-world examples of the pain of change. When it comes to adopting BIM technologies and practices, providers and practitioners alike may experience the pain of change when it comes to evolving away from their familiar, albeit cumbersome, manual methods. One area in particular is consistency among parameter listings. Providers are tasked with embedding parameters from basic to advanced detail in order to meet the varied demands of practitioners. For those offering an ever-expanding portfolio consisting of hundreds of thousands of different products, managing this process can be a logistical nightmare. On the other hand, even the slightest deviance in parameter nomenclature – such as 'WATTS' compared to 'Watts' or 'watts' – can create problems for practitioners if not manually corrected as it may skew overall costs, quantities, total load and more. International and national lighting societies are actively making strides to characterize these challenges from provider and practitioner perspectives, and consequently offer guidance on mitigation. Collaborative strides forward will ease the pain of change from manual methods to BIM technologies and practices, so that we can all achieve the end goals of strengthened communication, improved quality and increased efficiency throughout any build project.

To participate as an agent of positive change, visit www.ies.org/standards/technical-committees/bim-subcommittee-of-the-computer-lighting-committee/ to join the IES BIM Subcommittee of the Computer Lighting Committee. If you have BIM questions, email design.resources@philips.com.

PRODUCT NEWS



Remotely monitor and view live video streams of your site

The Philips Color Kinetics **ActiveSite 1.5** is a cloud-hosted software as a service (SaaS) system that enables remote monitoring, management,

and maintenance of Philips Color Kinetics LED lighting installations. Many of our users have requested live camera feeds, so we've built in support for IP cameras from AXIS Communications, an industry leader in Internet-connected cameras.

Visit colorkinetics.com/ls/controllers/ActiveSite/ to learn more.



Never walk away from a 0-10V job again

The new Philips Color Kinetics **DM-1000 ELV** dimmer provides smooth, flicker-free dimming of your jobs specifying **EssentialWhite** and

EssentialColor luminaires, adding expanded compatibility with industry standard 0-10V dimmers. It's designed with an integrated test button and trim adjustment that allows instant configuration and confirmation of the proper functioning of devices.

Visit colorkinetics.com/ls/pds/DM-1000/ to learn more.



Creativity and continuity can coexist

The Philips Gardco **PureForm LED** site and area luminaires are a cohesive, stylish family that offers continuity within a project, while still helping to make a unique statement, every time. These luminaires were designed to complement each other, yet each product fulfills a unique purpose. This ensures that the luminaires bring a cohesive feeling to a project, while also enhancing the creative vision.

Visit philips.com/PureForm to learn more.



Tunable white, millions of dynamic colors, ultimate precision — One luminaire

Your customers rely on you to reinforce their good image, and corporate brand is often recognized by a specific color alone. With the Philips Color Kinetics **ColorGraze IntelliHue Powercore** family, you can tune the white and color lighting precisely on bridges, façades, and monuments, so that any variations between fixtures are undetectable to the human eye.

Visit colorkinetics.com/ls/IntelliHue/ColorGraze-Powercore/ to learn more.



Our family has a new addition, TruGroove recessed micro has arrived

With fantastic performance from a 1.75 inch aperture, **TruGroove recessed**

micro is the designer puzzle piece you've been waiting for from Philips Ledalite. Perfect to create area borders for that unique space, with the TruGroove family, the possibilities are truly endless.

Visit philips.com/TruGroove to learn more.