


Lighting Institute



Lighting Institute

A PROVIDER OF QUALITY LIGHTING EDUCATION...

The Day-Brite Lighting Institute is the world's first Leadership in Energy and Environmental Design (LEED) Certified Lighting Education Facility. Located within the Day-Brite factory in Tupelo, MS, this facility is utilized to educate visitors about the importance of quality lighting while highlighting the importance of energy management. The Institute features products and techniques that represent the best lighting practices while balancing functionality, controllability, and energy consumption in accordance with IESNA/ASHRAE guidelines.





Being a leading provider of quality lighting education is a commitment for Day-Brite Lighting. Our approach allows us to educate and inspire visitors about the importance of lighting through physical demonstrations and knowledge expressed by a qualified and experienced staff.

THE DAY-BRITE LIGHTING INSTITUTE DELIVERS...

- Demonstrations of quality lighting executions that satisfy energy standards.
- Lighting requirements that address the quantitative and qualitative aspects of the overall environment.
- Thorough education and training on products, technology and lighting applications.
- Demonstrations of different efficiency methods that focus on the quality of manufacturing products and their service.

DAY-BRITE LIGHTING...COMMITTED TO SUSTAINABILITY...

Day-Brite Lighting recognizes and believes in the importance of safeguarding natural resources and the heritage of a global environment. It is our corporate policy to conduct all of our operation and activities in a manner which protects human health, the environment, our customers, and corporate interests, while complying with applicable environmental laws and regulations. We are committed to this policy for our employees, our customers, and the communities where we operate and to their understanding of the need for each individual's environmental stewardship.

LEED

The Leadership in Energy and Environmental Design (LEED) is a step by step process to aid building owners in the sustainable design of productive yet "green" buildings. Developed by the U.S. Green Building Council, the LEED Green Building Rating System® is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings.

Widely-accepted by architects and lighting designers, LEED provides a complete framework for assessing building performance and emphasizes state of the art strategies for sustainable site development, water savings, energy efficiency, materials selection, and indoor environmental quality.

Day-Brite Lighting has proudly obtained LEED Certification on the construction of the Lighting Institute and achieved the following goals:

- 40% reduction in water use
- 35% reduction of lighting power in addition to proper use of daylight and motion sensors
- 55% of construction materials used were manufactured within 500 miles of the facility
- 90% of equipment is Energy Star™ rated
- Low Emitting (VOC content) adhesive, paints and carpets were used



OUR INVESTMENT IN TRAINING...

Courses provided in the Lighting Institute are intended to educate owners and facility managers on how lighting improvements can impact their operational and capital budgets. All applications have basic lighting design needs that can be addressed with properly designed and integrated state of the art technologies. Day-Brite is continuously developing literature, web based programs, and other tools to provide guidance on sustainable and energy efficient approaches to lighting.

ENVIRONMENTAL STEWARDSHIP . . .

The Lighting Institute resides within our 500,000 square foot manufacturing facility. To support our responsible growth as a manufacturer, we have developed green manufacturing processes and other environmental strategies that we employ on a daily basis.

- Optimization of our manufacturing, logistics and warehousing processes along with our commitment to continue to introduce new products that support our efforts in improving the environment of our customers, employees and their communities by their enhanced energy efficient performance.
- Minimization of the resources used in our operations inclusive of the purchasing of our components through an optimized supplier chain.



- The largest portion of material purchased from our 300 raw material vendors are now recycled versus raw. This includes steel, aluminum sheets, aluminum castings, and corrugated and extruded acrylic sheets.

Scrap material is 100% recycled, including.

- Steel and aluminum
- Cardboard and paper
- Damaged pallets
- Waste oil
- Metal Halide and Fluorescent lamps

THE LIGHTING INSTITUTE IS POWERED BY GREEN ELECTRICITY!

The Day-Brite Group is participating in Green Power Switch®, a program developed by the Tennessee Valley Power Authority. This program produces electricity from renewable sources and adds it to the TVA total power mix. This green electricity will have the impact of reducing over 360 tons of CO₂ emissions and will power the entire Lighting Institute, as well as our manufacturing office spaces.



TECHNOLOGY CLASSROOM

The technology classroom is a multi-media and interactive space for demonstrating the principles of lighting and applications. It features four demonstration areas:

- GENERAL OVERHEAD LIGHTING
- LIGHT INTERACTION
- COLOR BOOTHS
- OFFICE SPACES



GENERAL OVERHEAD LIGHTING

Overhead lighting systems demonstrate common methods of ambient lighting in commercial spaces. The luminaires selected deliver over 20 different lighting execution methods emphasizing how they render the environment as well as the human perception of the space.



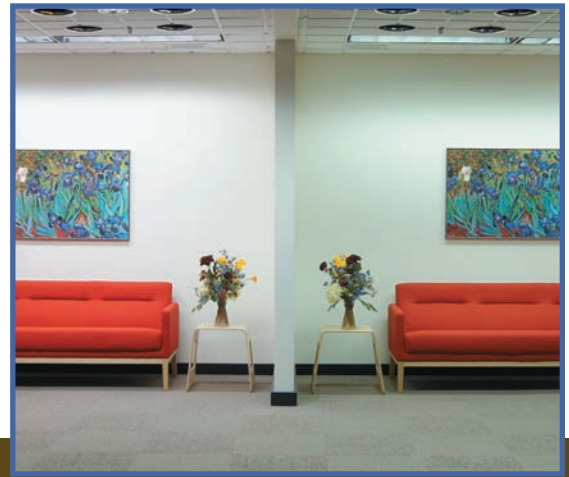


LIGHT INTERACTION

This area demonstrates the interaction of light with surfaces. Wall panels that feature various textures, colors, and materials are used in a wide variety of lighting techniques that emphasize the importance of light placement, directionality, source selection, and movement in relation to the desired effect.

COLOR BOOTHS

These full size demonstration booths feature side by side comparisons of different light sources. Demonstrating color temperature, color rendering index, and spectral distribution, these booths show how lamp colors render space and the importance of color and brightness contrast in defining accents. Accent lighting in each booth demonstrates the principles of contrast ratios and color contrast.



OFFICE SPACES

Four individual cubicles house six distinctly different luminaires each, providing nearly 1,300 different combinations. Each demonstrates lamp and ballast efficacy, luminaire efficiency, and allows comparison of the different visual executions.

APPLICATION STAGING AREAS

The primary use of this space is to “mock-up” spaces for end-users to show specific application demonstrations. This area, which contains a movable ceiling as well as static ceilings, provides for a wide range of potential project type demonstrations including big box to high end retail, office areas, educational settings and healthcare settings.

Staging room 1 has a 14 x 16 movable ceiling that adjusts from 4' to 22' to accommodate various ceiling heights for demonstrations. In addition, interchangeable ceiling materials and moveable walls can be used for various lighting design applications. This space can double as a showcase for new product introductions as well. This room also includes 13-foot, 8-foot, and sloped ceiling sections further allowing us to accommodate any ceiling height.



TRAINING PROGRAMS AND INFORMATION

The Lighting Institute staff of over 20 presenters has 300 years combined experience with various backgrounds. Their expertise provides our visitors with extensive lighting knowledge regarding new products and technologies.

The Lighting Institute offers several seminars that are pre-certified educational opportunities. We support the continuing education efforts of professionals desiring to master new knowledge and skills within our industry.

Day-Brite is a registered provider with The American Institute of Architects Continuing Education System (AIA/CES). As a Passport Member with AIA, The Lighting Institute offers programs that reward LU's (Learning Units) for participation. These programs qualify for Health, Safety and Welfare status.

[AIA registered programs currently offered at The Lighting Institute:](#)

- Lighting Techniques and Applications (1.0 LU)
- Lighting Application Guide for Educational Facilities (1.0 LU)
- Application Guide to Retail Lighting (1.0 LU)
- Sustainable Lighting Strategies that Improve Building Efficiency (1.0 LU)
- The Psychology of Light (1.5 LU)
- Cutting-Edge Lamp and Ballast Technology (1.0 LU)
- Advanced Cutting-Edge Ballast Technology (1.5 LU)
- Application Guide to Office Lighting (1.0 LU)
- Application Guide to Industrial Lighting (1.0 LU)
- Linear Fluorescent Application and Performance (1.0 LU)



Below is further information on AIA/CES programs:

[AIA American Institute of Architects](#)

Educational Credit Offered – Learning Units (LU)

How to Earn LU's: By attending programs offered by a registered provider or through self-reporting independent activities or research. (1) Contract Hour = (1) LU

More information can be obtained at www.aia.org.



The Lighting Institute is also proud to offer free educational opportunities online. The Day-Brite University online education modules allow you to gain lighting knowledge by choosing from 7 different Lighting Fundamentals courses. Learn lighting basics in the form of 3 areas: Fundamentals, Applications and Products. A certificate of completion will be sent to each participant upon successful completion of each course. Enroll today for immediate access to Day-Brite University at www.dcolightinginstitute.com.

REGISTRATION AND LOGISTICS

Registration

Registration for Lighting Institute courses can be completed online at www.dcolightinginstitute.com. After registration, you will receive an e-mail confirmation of your acceptance in the session. ** Please do not make travel arrangements until you have received your confirmation.

Payment

Payment for course attendance can be made at time of registration or 30 days prior to the seminar date. You may pay securely via credit card directly on our website.

Travel

Arrival times for all seminars will be the evening before the event begins. Departures need to be at 4:00 pm or after on the last day of the event. Attendees are asked to fly into Tupelo Regional Airport (TUP) or Golden Triangle Regional Airport (GTR). Please contact your Day-Brite Group sales representative with any questions regarding airfare.

Transportation

Transportation will be provided to and from Tupelo Regional and Golden Triangle Regional airports, as well as all scheduled events. If you choose to fly into an alternate airport, transportation to and from Tupelo will be the responsibility of the attendee.

Lodging

Hotel reservations will automatically be made and paid for by the Day-Brite Group. A credit card will be required at check in to cover any incidental charges you may incur during your stay.

Meals

During the events, all meals are provided by the Day-Brite Group. Attendees with special meal requirements are asked to inform the Day-Brite Group one week prior to the scheduled event.

Dress

The dress code for all events is business casual. Closed toed shoes are required for the manufacturing facility tour.

ORGANIZATIONAL PARTNERSHIPS

Day-Brite Lighting has developed a comprehensive strategy to network our company with the following organizations in order to further support our commitment to the lighting industry:

Professional Industry Organizations

- Illuminating Engineering Society - IESNA
- International Association of Lighting Designers - IALD
- Association of Energy Engineers - AEE
- American Society of Heating, Refrigeration and Air Conditioning Engineers - ASHRAE
- American Institute of Architects - AIA
- US Green Building Council - USGBC

Academic Organizations

- Mississippi State University - MSU, School of Architecture
- Penn State University
- University of Colorado

Research Organizations

- Lighting Research Center - LRC (Rensselaer Polytechnic Institute)
- California Lighting Technology Center - CLTC (Univ. of CA, Davis)
- The Lighting Education Institute - Philadelphia, PA



INTERNATIONAL ASSOCIATION OF LIGHTING DESIGNERS

IALD



**Lighting
Research Center**





Lighting Institute

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