37th Annual SOURCE Awards
Professional Category

37th Annual SOURCE Awards Winner - Professional Commercial
Ross De Alessi Lighting Design
The Gallery at the Historic Museum of Natural History Restoration Hardware,
Boston, Massachusetts
Photography: Brett Drury Photography

Cooper Lighting
by Eaton
Honoring Professionals and Students

The 38th Annual SOURCE Awards national lighting design competition is open to all lighting designers, architects, engineers, professional designers and consultants who predominately use lighting and controls products from Eaton’s Cooper Lighting business in an interior or exterior design project.

Students currently enrolled in any of these disciplines are also eligible to enter conceptual lighting design projects and are judged in a separate student category.

This year’s competition will once again seek a creative use of fixtures providing energy-efficient design solutions in addition to standard projects. A $2,000 cash award goes to the winning design firm(s) and the student winner is awarded $1,500.

Entries must be postmarked on or before January 30, 2015. Please contact Karin Martin with any questions at 630.513.8625 or Kmartin41@aol.com. Visit www.cooperlighting.com/sourceawards for entry form and details on the competition requirements.

37th Annual SOURCE Awards
Professional Commercial - Winner

Ross De Alessi Lighting Design, Seattle, Washington

Project: The Gallery at the Historic Museum of Natural History Restoration Hardware, Boston, Massachusetts

Design Team: Ross De Alessi, IALD, MIES; Norm Spencer, I.A.T.S.E. United Scenic Artist; and Neil Reeder

Photography: Brett Drury Photography (exterior) and © 2013 Doug A. Salin – www.dougsalin.com (interior)

Cooper Lighting by E•T•N
Ross De Alessi Lighting Design, Seattle, Washington

Project: The Gallery at the Historic Museum of Natural History Restoration Hardware, Boston, Massachusetts

Design Team: Ross De Alessi, IALD, MIES; Norm Spencer, I.A.T.S.E. United Scenic Artist; and Neil Reeder

Photography: Brett Drury Photography (exterior) and © 2013 Doug A. Salin – www.dougsalin.com (interior)

Cooper Lighting by F•T•N
Project: The Gallery at the Historic Museum of Natural History Restoration Hardware, Boston, Massachusetts

This majestic, historic building now houses Restoration Hardware's Flagship Store. After sitting empty for years, façades and roofs were restored and a vibrant, new use of the building’s interior was realized. Now a retail establishment, treatment as a monument, true color and daytime concealment were critical requirements. All façade lighting fixtures are completely concealed, evoking the desired “light from nowhere” look. Though 95 percent of this lighting is LED, multiple high-CRI source types are employed to accommodate the building and owner’s varied finishes, colors and proportions. High contrast focal lighting and moody galleries were to be avoided. Highlighting of merchandise and architectural features is achieved through color temperature variation. Multiple layers of light support an aesthetically pleasing retail hierarchy and avoid high contrast. Certain architectural elements are featured to harmonize with the merchandise. The site, landscape, façade and interior architectural lighting aim to frame and guide guests on a unique shopping experience.

What is most interesting regarding the use of Eaton’s Cooper Lighting products is that there was no intention to package the design. Fixtures were selected by an independent lighting designer to fulfill team desires, wants, needs and visions. The design team notes that various lighting distribution and output options, excellent color, low profile and reliable performance combined to make io the single choice for the majority of both interior and exterior linear LED strips. Low aperture brightness and small size, field changeable optics, outstanding color, superior quick aiming and lockable optical chains and options exceeding competitors’ products also made IRiS the single choice.

Products from Eaton’s Cooper Lighting business used in the application: IRiS, io

**RestorationHardware_01.jpg:** First housing The Museum of Natural History in 1863, and later retailers Bonwit Teller and Louis Boston, Restoration Hardware completely remodeled this historic building’s 47,000 sq. ft. interior. Located in Boston's primary shopping, dining, cultural and nightlife destination, this classic structure now is a landmark for Newbury Street’s retail corridor.

**RestorationHardware_02.jpg:** The io line series 2.0 luminaires graze columns and highlight cornices. A continuous matching valance conceals the second floor ledge fixtures, minimizing architectural impact. The io line series 2.0 symmetric luminaires on the window ledges reveal the classic second floor window detailing. The very narrow distribution of line series 2.0 products and critical aiming at the cornice ensures a dark sky.

**RestorationHardware_03.jpg:** The io line series 2.0 asymmetric luminaires enhance second and third floor balconies and pediment details. Warmer interior sources, IRIS P3LED downlights, showcase merchandise and beckon passersby inside. Three dimming channels, from pediment's center to ends, provide a smooth application on this major feature. Lighting design approvals were garnered from four different jurisdictional agencies.

**RestorationHardware_04.jpg:** The unobtrusive lighting system respects the architect's brilliant approach and builder's skills in their removal of a retrofit mezzanine and opening of second and third floors to reveal the detailed third floor ceiling. Miniature tree uplights dapple the coffered ceiling, enticing guests to enjoy the elevator ride to the third floor outdoor furnishings.

**RestorationHardware_05.jpg:** Maintaining a hierarchy of brightness and functional source and color selection, 2700K, 24-watt IRiS P3LED recessed adjustable LED downlights with interchangeable beam spreads provide a warm base layer wash throughout. A preset dimming system responds both to 24/7 prescribed scenes and exterior photocells for weather and sky brightness changes.

**RestorationHardware_06.jpg:** The io line series 2.0 symmetric luminaires uplight the building’s base from plinths surrounding the entry. The lighting designers performed two value-engineering exercises as budgets were slashed to accommodate remodel costs. The stringent Massachusetts energy code was met with a lumen power density of 0.85 W/sq. ft.

Contact Karin Martin at kmartin41@aol.com or 630-513-8625 for more information.
Robert Singer & Associates Inc., Basalt, Colorado

Project: Morningstar Residence, Aspen, Colorado

Design Team: Robert Singer, IALD, IES; Kim Quint, LEED AP, Senior LD; and Chase Carter, Senior LD

Photography: Steve Mundinger Photography

Cooper Lighting
Robert Singer & Associates Inc., Basalt, Colorado

Project: Morningstar Residence, Aspen, Colorado

Design Team: Robert Singer, IALD, IES; Kim Quint, LEED AP, Senior LD; and Chase Carter, Senior LD

Photography: Steve Mundinger Photography

Cooper Lighting

by FAT·N
Project: Morningstar Residence, Aspen, Colorado

This mountain residence combines traditional architecture with modern lines and rustic finishes to create a unique home that compliments its environment. IRIS and Halo downlights from Eaton’s Cooper Lighting business are used throughout the home to keep costs down without compromising the function or design of the lighting. The lighting throughout the home was designed to highlight the architectural forms with a minimal impact from the source. Using IRIS three-inch P3MR housings in the vaulted ceiling spaces allowed for the use of E3SA and E3AA trims for either general downlighting or art accents. Halo H1499ICAT-14421MB were used in flat ceilings keeping a consistent feel with the black alzack finish and allowed for good adjustability, while also keeping fixture cost down. Lumière 203-CRS-50MR16 fixtures are used on the exterior of the home for general illumination. Mounting the fixtures to the exposed structure under the decks helps to create an area of general light without the light pollution of a decorative fixture. LED accent lighting helps to keep energy costs down while highlighting ceilings and walls. A house-wide dimming system uses customized scenes with balanced light levels to create a comfortable environment. The rooms multiple layers of light are simplified with the use of the scenes with buttons for room on, low and off easily accessible from the room's entryway. The dimming system also helps save energy by keeping maximum lighting levels down. Consistency of design, accents of architectural forms and materials, and ease of use were the basis for this design and the end result is remarkable.

Products from Eaton’s Cooper Lighting business used in the application: IRIS, io, Halo, Lumark, Lumière

Morningstar_01.jpg: Nestled in a valley, the warm incandescent quality of the home shines through the large windows overlooking the river. Minimal exterior lighting, using shielded Lumière 203-CRS-50MR16 fixtures, ensures low impact on the outdoor environment and night sky.

Morningstar_02.jpg: A stone wall anchors the rusted steel fireplace in the Great Room. Vertically placed LEDs are hidden behind the steel, floating the fireplace and reinforcing the transition between materials. Uplights graze the stone from below and IRIS P3MR downlights highlight the upper part of the stone and the seating areas.

Morningstar_03.jpg: IRIS P3MR housings are lamped with narrow spots to illuminate the kitchen island with additional undercabinet lighting for task areas. Linear LED lighting under the stair tread helps transition from the hall to the great room and can be dimmed to a low level for safety light at night.

Morningstar_04.jpg: This hallway runs the length of the homes common space and is grounded on one side with a stone wall, which is accented with recessed uplights. The IRIS P3MR-E3AA fixtures are used to accent the artwork at the entry and at the end of the hall.

Morningstar_05.jpg: The hallway leading to the bedroom wing is lit with linear LED uplight mounted in a steel channel smoothly lighting the arched ceiling and complimenting the decorative fixtures in the space. This softer, more decorative approach is indicative of the lighting found in the guest bedrooms.

Morningstar_06.jpg: The master bedroom’s wood clad fireplace is accented from above using IRIS P3MR-E3SA fixtures, employed for their ability to adjust to the high angle needed to throw light back upon the fireplace’s face. Linear LED fixtures are hidden within the wooded beams to highlight the vaulted ceiling.

Morningstar_07.jpg: The headboard is kept minimal allowing the stone accent wall to dominate. This wall is accented using the IRIS P3MR-E3SA fixtures, adjusted for an even wall wash. Table lamps flank the bed and are individually controlled on the dimming system for the comfort of the users.

Morningstar_08.jpg: The marble shower wall is grazed with wet location Linear LED fixtures. Sconces on either side of each mirror provide high levels of illumination and accent the mosaic wall behind them. Linear LEDs float the vanity and continue the mosaic accent. Halo H1499ICAT-1421MB fixtures are used for general illumination.

Morningstar_09.jpg: Multiple lighting techniques are used in the office/media room creating a unique and functional space. A linear LED wall graze fixture accents the stone wall behind the desk. IRIS P3MR housings are used throughout, with E3AA trims for highlighting the artwork and E3MR trims for the desk and seating areas.

Morningstar_10.jpg: The wall graze continues on the opposite stone wall with the addition of vertical LEDs along the steel floating fireplace structure. A soffit runs along the perimeter of the room creating the opportunity for LED uplights to accent the ceiling and add another layer of light to the space.
GWA Lighting, Naberth, Pennsylvania

Project: Omni Convention Center & Country Music Hall of Fame Expansion, Nashville, TN

Design Team: Mark Harris, IALD, IES; Anne Flaherty, Electrical EIT; and Ryan Linton, IES

Photography: Ryan Linton
GWA Lighting, Naberth, Pennsylvania

Project: Omni Convention Center & Country Music Hall of Fame Expansion, Nashville, TN

Design Team: Mark Harris, IALD, IES; Anne Flaherty, Electrical EIT; and Ryan Linton, IES

Photography: Ryan Linton

Cooper Lighting
Project: Omni Convention Center and Country Music Hall of Fame Expansion, Nashville, Tennessee
The Omni Convention Center and Country Music Hall of Fame Expansion project is located in the heart of Nashville. The lighting accentuates the rhythm of the interiors and highlights the subtle musical features throughout the project. It provides the fluidity and motion desired in respective locations when featured as the main sculptural element.

Design Challenge:
• Provide lighting solutions representative of the quality and elegance of a four star hotel
• Provide a lighting design that seamlessly works with the architecture to express the culture and energy of Music City, USA
• Adhere to LEED Silver Certification and hotel design standards requiring incandescent lighting
• Plan lighting solutions within a restrictive budget for fixtures and controls

Solutions:
• Washing vertical surfaces to provide brightness
• Decorative fixtures to provide sparkle visual hierarchy within each area
• Accent and wall washers to reinforce the architectural form and define each space
• Computer-based dimming system throughout the public spaces to allow both local and building wide control
• Warm light sources to welcome and comfort guests

The project, primarily utilizing incandescent solutions, is 15 percent below lumen power density (LPD). This low LPD was achieved by “putting light where it is needed and not where it isn’t.” Additional energy savings are realized through the building’s wide control system that raises and lowers the lighting for different times of day and uses.

Products from Eaton’s Cooper Lighting business used in the application: Halo, Metalux, Portfolio, Neo-Ray, Lumière, Ametrix, RSA, io, Invue

OmniNashvilleHotel_01.jpg: The three-story podium provides a warm glow with fluorescent and ceramic metal halide fixtures to attract visitors into the area. Narrow floodlights uplight the structural elements to emphasize the verticality, while linear color changing LED fixtures connect the top with the podium. LED strips integrated into the penthouses crown the building.

OmniNashvilleHotel_02.jpg: The lobby signature element is the ceiling designed to recall a guitar. The “frets,” in combination with LED pendants create a rhythm within the lobby that ends at the chandelier within the guitar’s sound hole. Portfolio adjustable downlights make this sparkle, while LED and Metalux fluorescent coves accentuate the guitar shape.

OmniNashvilleHotel_03.jpg: Oversized halogen floor lamps and focused halogen lighting on seating areas provide scale and intimacy for guests. RSA adjustable multi-head luminaires allowed for fewer penetrations in the ceiling, but the flexibility for various seating arrangements. The LED pendants helped to keep the wattage.

OmniNashvilleHotel_04.jpg: The corridor that connects the hotel with the existing Country Music Hall of Fame houses music memorabilia in display cases along the wall. The lines of lighting above these cases evoke music notes. Halo and Portfolio families of downlighting fixtures are used throughout several space types.

OmniNashvilleHotel_05.jpg: Pendants throughout the pre-function corridors emphasize destinations, assisting wayfinding and encouraging movement through the spaces. The smaller pre-function utilizes decorative LED fixtures with varying portions illuminated to recall the movement of notes along sheet music. These, combined with accent lights and downlights, provide focus, organization and visual interest.

OmniNashvilleHotel_06.jpg: The larger pre-function with 40-foot ceilings is ideal for a large chandelier made of aluminum frame and brass screen material highlighted by LED points. Metalux fluorescent coves emphasize the stepped ceiling planes and help reinforce the volume and grandeur of the space.

OmniNashvilleHotel_07.jpg: The entertainment bar is an upper scale “Honky Tonk” integrating the hotel into downtown Nashville nightlife. The bar, highlighted with LED tape light integrated into the shelves, provides vertical brightness and accentuates the front of the bar. PAR track is used for the ambient lighting.

OmniNashvilleHotel_08.jpg: Bob’s Steakhouse has a club-like feel, featuring leather upholstery and deep rich colors. Portfolio halogen sources were used to highlight the tabletops and artwork within this five-star steakhouse.

OmniNashvilleHotel_09.jpg: The three-meal restaurant’s approach is to create a comfortable, homey ambiance. Incandescent sources, because of their ability to directionally emit soft light, were used for all of the pendants, sconces and general ambient light, while halogen sources were used for accent. Portfolio downlights were also used throughout this space.

OmniNashvilleHotel_10.jpg: The pool deck has a relaxed feel to it and is a place where people gather. Lumière uplights add interest to the wall behind the lounge chairs, while floodlights illuminate the pool deck. Also on this floor, the pool bar provides a place to meet.

Contact Karin Martin at kmartin41@aol.com or 630-513-8625 for more information.
Horton Lees Brogden Lighting Design, Inc., Culver City, California

Project: LAX Tom Bradley International Airport Curbside Enhancements, Los Angeles, California

Design Team: E. Teal Brogden, LC, IALD, MIES; HT Tina Aghassian, LC; Clifton Manahan, IALD Jr. Associate, IESNA Associate; Jae Yong Suk, LEED AP, BD+C; and Alexis Schlemer, LC

Photography: AECOM

Cooper Lighting by F·A·N
Horton Lees Brogden Lighting Design, Inc., Culver City, California

Project: LAX Tom Bradley International Airport Curbside Enhancements, Los Angeles, California

Design Team: E. Teal Brogden, LC, IALD, MIES; HT Tina Aghassian, LC; Clifton Manahan, IALD Jr. Associate, IESNA Associate; Jae Yong Suk, LEED AP, BD+C; and Alexis Schlemer, LC

Photography: AECOM

Cooper Lighting
by F·A·N
The Los Angeles International Airport (LAX) Curbside Enhancements project team sought a design that would be forward-thinking, inspirational, innovative and timeless. The polychromatic light ribbons on the canopies and elevated roadway, along with the aerodynamic light sculptures reflect this trademark LA culture. Customized LED technology by Eaton’s Cooper Lighting business was pivotal to the success of the design, enabling discrete integration of light and architecture in the sleek and aspirational forms of the sculptural roadway lighting.

Upgrading the lighting at LAX posed an opportunity to reimagine the user experience in a progressive gateway rather than a utilitarian roadway project. Sculptural fiberglass poles and canopies were envisioned to make use of new form factors enabled by innovative LED technology. In order to meet the aggressive project schedule, readily available components were necessary; however the uplifted arms of the poles and canopies, as well as the desire for continuous, slot mounted lines of light, created unique physical and optical challenges.

The team searched for a product with an asymmetric roadway distribution that existed in a narrow linear form factor. Minimizing the luminaire profile while properly managing heat and wiring required close coordination between the LED manufacturer (Eaton’s Cooper Lighting business) and the sculptural pole fabricator. The pole’s structural system doubles as a heat sink, ensuring just the right proportions to the slender sculptural arms. The end result extends a world-class welcome to travelers and visitors alike with a hint of color and a swoosh of light!

Products from Eaton’s Cooper Lighting business used in the application: Linear LED LightBAR™ Technology

LAXAirportEnhancements_01.jpg: Upon initial approach to the LAX Tom Bradley International Terminal in Los Angeles, visitors and travelers are greeted by light sculptures and light ribbons used to reflect the culture of a city rich in diversity and progressive thinking.

LAXAirportEnhancements_02.jpg: The highly custom double-arm “Y”-shaped structural framework is made of fiberglass with a steel interior.

LAXAirportEnhancements_03.jpg: An existing optic component was used in an unconventional way in order to address project needs. The standard “house side shield” (aluminum tab) was oriented to address brightness concerns when the luminaire is viewed from the sidewalk and within terminal buildings.

LAXAirportEnhancements_04.jpg: The “before” image of LAX Tom Bradley International Terminal – an unwelcoming and visually chaotic luminous environment.

LAXAirportEnhancements_05.jpg: Illustrated section of the custom fabricated sculptural pole.

LAXAirportEnhancements_06.jpg: Close-up of the LED luminaire optic showing the “house side shield.”

LAXAirportEnhancements_07.jpg: Upgrading the lighting for passenger arrival and departure at LAX presented an opportunity to reimagine the entire entry sequence as a progressive gateway rather than yet another roadway project with utilitarian lighting.

LAXAirportEnhancements_08.jpg: High Dynamic Range (HDR) photography was used to document existing luminance conditions observed from the FAA tower, and predictive photometric studies were prepared to document “before and after” conditions to help reassure the FAA that the new design would not interfere with tower visibility to the surroundings.

LAXAirportEnhancements_09.jpg: The end result extends a world-class welcome to travelers and visitors alike with a hint of color and a swoosh of light!
37th Annual SOURCE Awards
Professional Commercial - Award of Recognition

Tec Studio Inc., Columbus, Ohio
Project: Cuyahoga County Public Library – Garfield Heights Branch, Garfield Heights, Ohio
Design Team: Ardra Paige Zinkon, IALD, MIES
Photography: Scott Pease Photography

Cooper Lighting
by F・N
Tec Studio Inc., Columbus, Ohio

Project: Cuyahoga County Public Library – Garfield Heights Branch, Garfield Heights, Ohio

Design Team: Ardra Paige Zinkon, IALD, MIES

Photography: Scott Pease Photography

Cooper Lighting by EAT+N

37th Annual SOURCE Awards National Lighting Design Competition
Consistently ranked among the ten best and busiest library systems in the United States, this new construction branch offers an opportunity for continued success for this highly rated library system. At just over 30,000+ sq. ft., the branch features community gathering spaces, a cafe, high accessibility to technology and interactive teen and children's areas encouraging life-long learning. The open plan design allows for future shifts in the collection or technology needs, with a flexible lighting system to easily accommodate changes. With LEED Silver Certification as a driving force, this project combines multiple energy-efficient strategies for success. The lighting system for this project operates at a minimum of 16 percent less than energy code with an expectation of additional savings. Layered control strategies on this project include: an astronomical timeclock, occupancy and vacancy sensing, automated shades in meeting rooms, daylight harvesting and ballast tuning. In addition, this project has submitted (and been approved for) an innovation credit following the LEED credit MRC4 for Sustainable Purchasing: Reduced Mercury in Lamps. Along with the technical challenges inherent in a sustainable project, we were also faced with a very open architecture that needed to define the space planning, but be reconfigurable for the patrons of tomorrow. The digitally addressable nature of the control system allows for future changes to the space with only the need for simple re-programming of low-end and high-end trim settings. Combining sophisticated controls with thoughtful design has led to a successful new center for the community and the owner.

Products from Eaton’s Cooper Lighting business used in the application: Halo, Metalux, Portfolio, Corelite, Neo-Ray, IRiS, io, Shaper, Sure-Lites

CCLibrary_01.jpg: With increased expectations from the public, this local branch library welcomes visitors with the promise of a high-end experience but discretely within a tight budget. LED wall sconces flank the media screen while Neo-Ray linear fluorescent sources were used for the wall slot with Corelite linear fluorescent uplighting coves. Shaper’s decorative glass trims provide added sparkle to the entry. Compact fluorescent glass pendants serve as a wayfinding guide to bring patrons to the Information Desk.

CCLibrary_02.jpg: The café off the main entry offers a flexible seating area illuminated with linear fluorescent pendants. Halo suspended track powers ceramic metal halide fixtures to highlight the display of current periodicals. The Halo track is equipped with a current limiting-device for reduced energy consumption. Daylight provides additional illumination, even at dusk.

CCLibrary_03.jpg: As daylight filters in through the clerestory windows, continuous runs of linear fluorescent provide task illumination throughout the open architecture, at stack, and computer stations. The linear pendants float quietly within the structure and provide a hint of uplight emitted from the decorative side cut-outs. Additional Halo ceramic metal halide track fixtures are visibly mounted to the structural truss to highlight the New Arrivals collection.

CCLibrary_04.jpg: Stack Areas require a higher light level than Soft Seating or Computing, which can create a challenge in an open environment. All luminaires were equipped with dimmable power supplies with individual digital addresses. Lamps within a continuous linear run could be assigned different high-end and low-end trim settings as seen here.

CCLibrary_05.jpg: Small free-standing meeting rooms were placed within the open structure. Suspended fluorescent pendants provide even illumination within the space and are controlled via local occupancy sensor. If the space planning changes for future shifts in the collection or additional computing stations, lighting can be easily reconfigured.

CCLibrary_06.jpg: Skylights within the teen area bring natural light into the space to ensure the location remains attractive to visitors tucked into the back of the library. Neo-Ray linear fluorescent luminaires with custom cantilevered arms ensure stacks stay evenly illuminated at all times. Decorative glass pendants add a playful touch while Neo-Ray linear fluorescent slots support the varied patron activities.

CCLibrary_07.jpg: With the abundance of daylight (as seen here at dusk), all luminaires respond to wireless photo-sensors. The use of digitally addressable luminaires throughout the building allowed a more simple design and commissioning solution. Luminaires are not hard-wired in zones to sensors and allow for more accurate independent responses leading to an overall enhanced experience with the system and the space.