Cooper Lighting's 33rd Annual SOURCE AWARDS

Student Competition Winners

National Lighting Design Competition Winners 2009

COOPER Lighting

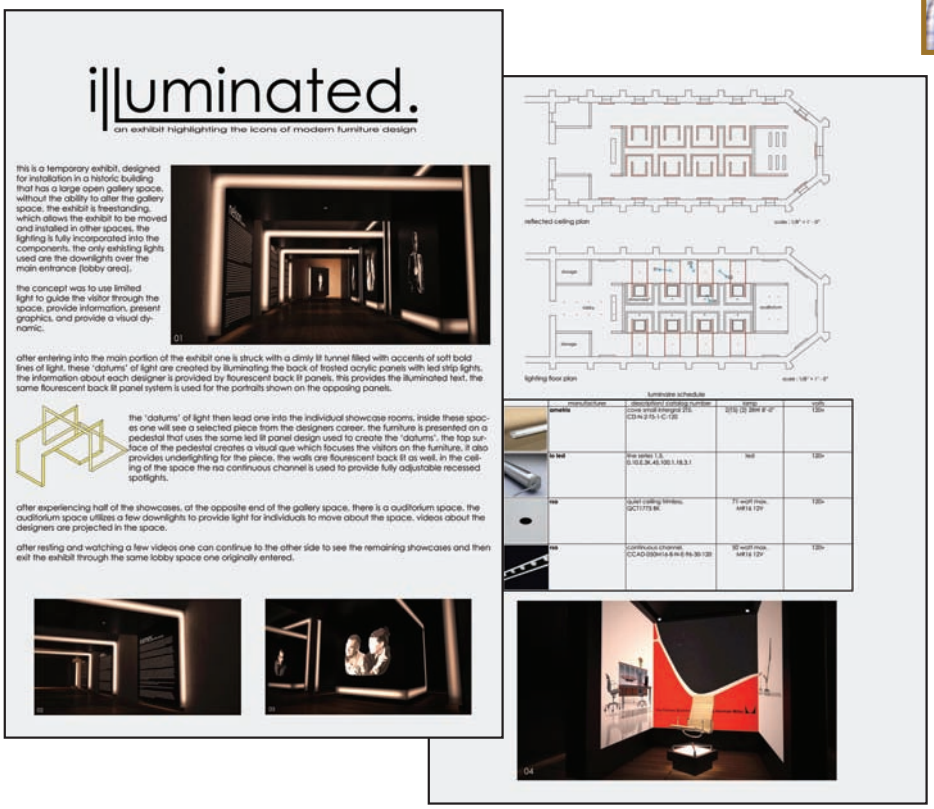
Cooper Lighting's 33rd Annual SOURCE AWARDS

Student

Winner

Matthew Lee Johnson

Matthew Lee Johnson
School: Kansas State University
Project: Illuminated



This temporary exhibit was designed for installation in a historic building that has a large open gallery space. Without the ability to alter the gallery space, the exhibit is freestanding, which allows the exhibit to be moved and installed in other spaces. The lighting is fully incorporated into the components. The only existing lights used are the downlights over the main entrance (lobby area).

The concept was to use limited lighting to guide the visitor through the space while providing information, present the graphics, and provide a visually dynamic experience.

After entering into the main portion of the exhibit, one is struck with a dimly lit tunnel filled with accents of soft bold lines of light. These 'datums' of light are created by illuminating the back of frosted acrylic panels with io LED striplights. Fluorescent backlit panels illuminate information about each designer. The same fluorescent backlit panel system is used for the portraits shown on the opposing panels.

The 'datums' of light then lead one into the individual showcase rooms. Inside these spaces, one will see a selected piece from the designer's career. The furniture is presented on a pedestal that uses the same io LED lit panel design used to create the 'datums'. The top surface of the pedestal creates a visual que, which focuses the visitors on the furniture, and also provides underlighting for the piece. The walls are fluorescent backlit as well. In the ceiling of the space, RSA continuous channel fixtures are used to provide fully adjustable recessed spotlights.

After experiencing half of the showcases, at the opposite end of the gallery space, there is an auditorium space. The auditorium space utilizes a few downlights to provide light for individuals to move about the space. Videos about the designers are projected in the space. After resting and watching a few videos, one can continue to the other side to see the remaining showcases and then exit the exhibit through the same lobby space originally entered.

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Student Sustainability Award

Honorable Mention

Chung Yung (Simon) Ho

Chung Yung (Simon) Ho
School: Washington State University
Project: Synergy

A Journey Towards Sunlight…utilizing daylight and artificial light to provide a unique grocery shopping experience.

Grocery stores are all about food. All food comes from the synergy of sunlight and plants through photosynthesis. To praise the significance of their contribution to food, sunlight and plants will be incorporated into the design of our new gourmet grocery store - "Synergy". A different perception is received when you come to the store between day and night through the use of Kalwall at the storefront. At night, it glows through the translucent Kalwall due to the indoor lighting. The climbing vines behind cast shadows to provide a pleasant pattern on the exterior wall. In daytime, the natural light shines through the Kalwall into the store and the climbing vines serve as shading to filter the direct sunlight.

The sloped trellis green wall at the central part of the storefront divides a transitional area, between the inside and outside, which is filled with pleasant shadows of vines. There is outdoor seating for customers to enjoy the lovely atmosphere while enjoying their meal. The store is filled with amply daylighting during the day through the Kalwall and skylights above. The north facing clerestories bring ample daylight into the central area of the store with solar panels installed on the south-facing roof. There are more skylights on the flat roof to lighten up the remaining space. The flat roof is planted with grass to provide insulation for better temperature control inside. Energy and money are saved from these, which help to create a sustainable future.

To praise the contribution of sunlight to food, the store is designed in a way like walking towards the sunlight. The journey towards sunlight starts from a relatively dark space upon entering the store. Your eyes fall on the walls of the directory as it is glowing in the dark space through the use of ample spotlighting, which serves as a wall washing and highlight the promotional items at the bottom of the wall. Different levels of dropped ceilings are outlined by hidden strips of LED fixtures. There is a white translucent glass on your left, separating the regular aisles from the entrance. Silhouettes of items ion gondolas behind the glass can be seen, which create an interesting pattern on the glass. The silhouettes change over time as the display items behind change. The zigzag main route suggests the refraction of sunlight. Ceramic metal halide pendant lights along the main route guide you through the journey. Suspended fluorescent lights are used along the aisles to provide efficient ambient lighting. They fixtures can be dimmed to 10% - 20% when sufficient daylight is available. Spotlights are used to highlight areas like the produce section to provide different layers of lighting. The color scheme of the store changes from green to yellow to white, not only helps for better wayfinding but also affects the brightness of the space to further strengthen the idea of walking from dark to light. Central place is the focal point of the store. Here the sunlight is emphasized as the sun shines through the hole in the middle of the dropped ceiling. The central place serves as seating for the deli and a display of furniture. Adjustable downlights are used to increase flexibility when the layout of tables and chairs change.

The journey ends as you reach the sun, which is represented by the well-lit checkout. Hidden strips of LED fixtures create "sunrays" above the checkout area, which are visible from every corner of the store so that customers will know the way to the checkout area. You are freshened up upon finishing the lighting journey; your heart is brightened up upon reaching the sun. Your day is refreshed.

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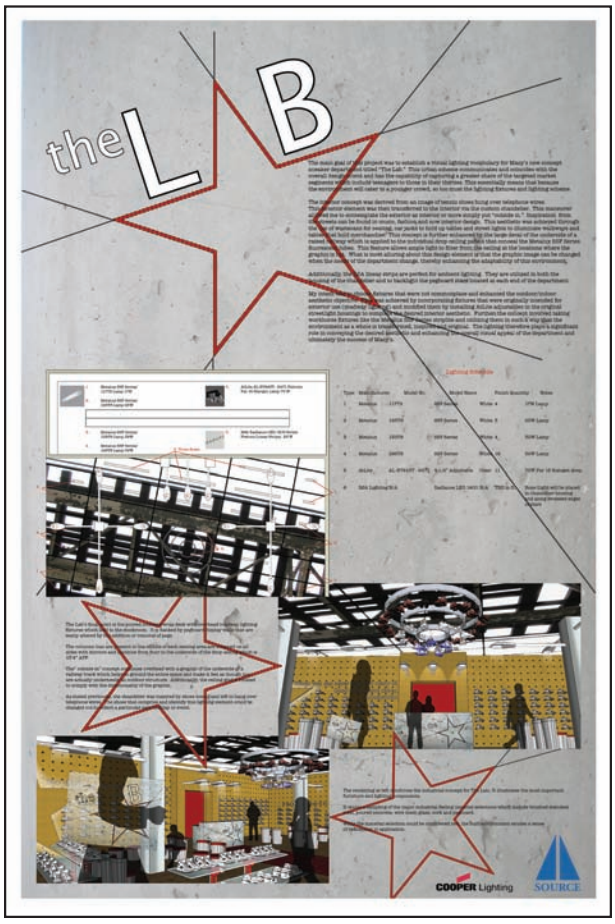
Student

Honorable Mention

Estéban Francis

Estéban Francis
School: University of Cincinnati - DAAP
Project: Macy's The Lab



The main goal of this project was to establish a visual lighting vocabulary for Macy's new concept sneaker department titled "The Lab." This urban scheme communicates and coincides with the overall design intent and has the capability of capturing a greater share of the targeted market segments, which include teenagers to those in their thirties. This essentially means that because the environment will cater to a younger crowd, so too must the lighting fixtures and the lighting scheme.

The interior concept was derived from images of tennis shoes hung over telephone wires. This exterior element was then transferred to the interior via the custom chandelier. This maneuver allowed me to contemplate the exterior as interior or more simply put "outside in". Inspiration from the streets can be found in music, fashion and now interior design. This aesthetic was achieved through the use of waste cans for seating, car jacks to hold up tables and streetlights to illuminate walkways and tables that hold merchandise. This concept is further enhanced by the large decal of the underside of a raised railway, which is applied to the individual drop ceiling panels that conceal the Metalux SSF Series fluorescent fixtures. This feature allows ample light to filter from the ceiling at the locations where the graphic is not. What is most alluring about this design element is that the graphic image can be changed when the needs of the department change, thereby enhancing the adaptability of this environment.

Additionally, the RSA linear strips are perfect for ambient lighting. They are utilized in both the housing of the chandelier and to backlight the pegboard stars located at each end of the department.

My intent was to choose fixtures that were not commonplace and enhanced the outdoor/indoor aesthetic objective. This was achieved by incorporating fixtures that were originally intended for exterior use (roadway lighting) and modified them by installing AtLite adjustables in the original streetlight housings to complete the desired interior aesthetic. Further, the concept involved taking workhorse fixtures like the Metalux SSF Series striplite and utilizing them in such a way that the environment as a whole is transformed, inspired and original. The lighting therefore plays a significant role in conveying the desired aesthetic and enhancing the overall visual appeal of the department and ultimately the success of Macy's.

Student

Honorable Mention

Elsa Alejandra Padilla Alonso

Elsa Alejandra Padilla Alonso
School: Savannah College of Art and Design
Project: Lux Spa & Wellness

The Lux Spa is located in the basement level of the historic Weed building in downtown Savannah, Georgia. It is a space dedicated to health, relaxation and the well-being of its users. The lighting design concept of the Lux Spa juxtaposes the ancient eastern holistic practice of Chroma-therapy; a branch of Ayurveda that uses color as a mean to heal; with the western research of Photoimmunology. The lighting and the overall design of the Spa promotes good health and creates a soothing atmosphere. It gives the users appropriate control over their environment and exemplifies the role lighting plays in the formation of interior environments that enhance the human experience. The design incorporates natural elements into the space such as weather features, plants and sustainable materials. A variety of white light sources, with different color temperatures, as well as colored ones, is applied using different mounting techniques on vertical and horizontal planes. This approach of creating layers of light not only fulfills the functional needs in optimum ways buy also conveys a sense of a tranquil and healing ambiance, keeping the interest of the users. With the fast changes occurring in the lighting industry, as a response to the energy crisis, there is an increasing awareness of the negative effects of lighting in the human health. According to Dr. Joan Roberts, Ph.D., "The circadian rhythm is a term used to define the chemical and biological oscillations that occur daily in most species, including humans…circadian responses primarily triggered by visible light impinging on the retina, which is then directed to the…hypothalamus. This leads to a cascade of hormonal changes…The lack of light, total darkness, blocks some of these hormonal events while enhancing its own cascade of neuro-endocrine changes. This daily oscillation of darkness and light has a profound effect on most physiological functions in the body. When the circadian hormone response is disturbed through environmental light changes, particularly light in the evening, severe damaging emotional and physical effects can occur."

When quality lighting design comes together with aesthetics, health considerations, energy efficiency, economical solutions and an environmental awareness, then our experiences within the space are significantly transformed. The lighting design decisions proposed here, take into account recent photo immunology and photobiology research that attest light as a critical element in healing environments. Lighting design in the Lux Spa aims to mimic natural light conditions as they would occur outside throughout the different times of the day. Just as the color temperature of daylight changes (from cool blue hues in the morning to warm amber hues in the afternoon), the lighting scheme inside the spa allows for a similar change. A variety of full and balanced spectrum lamps on dimmers create different scenes with the use of smart lighting controls. In areas where color changing LEDs are used, cooler hues of light will be emitted during the morning hours, gradually shifting into warmer hues of light in the afternoon. The use of colored light in the entry lounge, hallways as well as the steam/chromatherapy room is also supported by the lighting design concept, which ties together the Eastern Ayurvedic practice of color based therapy with Western photo immunology research.

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Student

Award of Recognition

Katya Yarominak

Katya Yarominak
School: University of Oklahoma
Project: Dolce & Gabbana

Established in 1985, Dolce & Gabbana is one of today's leading international luxury goods groups. The two founders, Domenico Dolce and Stefano Gabbana, have always been the creative and stylistic source of the two brands, Dolce&Gabbana and D&G, and the originators of a growth strategy based on balanced development and focus on the core business.

The Group designs, produces and distributes high-end clothing, leather goods, footwear and accessories under the Dolce&Gabbana and D&G brands. The boutique is the place where you can experience the collections and the Dolce & Gabbana world, which is in constant transformation and evolution. For this reason, it's essential the boutique also reflects the same evolution, growth and movement.

The store is located in Domodedovo International Airport in Moscow, Russia. The open floor plan is designed to accommodate a constant flow of people and easy access. The curvilinear shoes display and custom clear glass installation is designed for the customers to experience the space. Clear glass windows help to attract people to the store.

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