29th Annual

2011 GE Edison Awards

The GE Edison Award

GE Lighting sponsors the annual GE Edison Award competition to recognize excellence and quality in professional lighting designs that use GE light sources (lamps and/or LEDs).

Entries are judged on the basis of functional excellence; architectural compatibility; effective use of state-of-the-art lighting products and techniques; appropriate color, form and texture revelation; energy effectiveness; and cost effectiveness.

Projects must be completed within the prior calendar year and must employ significant use of GE light sources. All qualifying entries are judged equally and remain anonymous throughout the judging process.

Welcome to the 2011 GE Edison Awards

May 8th, 2012

The Wynn
Las Vegas, Nevada

This Evening's Program

Cocktail Reception

Introduction

Mary Beth Gotti
Chairperson
2011 GE Edison Awards

Cheryl Maenza
Chairperson
2011 GE Edison Awards

Welcome

John Strainic
General Manager
Global Lighting Product Management
GE Lighting

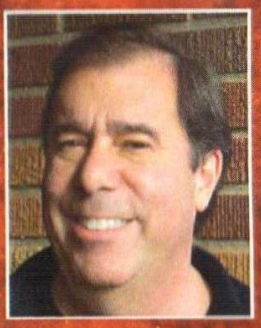
Awards Presentation

Dinner Reception

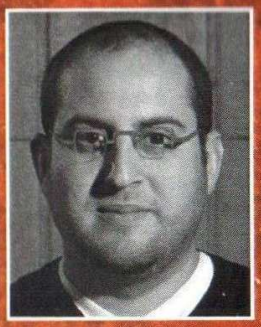
2011 GE Edison Award Judges

Tanas S. T. AlKhoury
Light Concept LLC
Abu Dhabi, United Arab Emirates

Wendi Bertelsen, LC, LEED® GA
GE Lighting
Glen Allen, Virginia, USA



Ross A. De Alessi, IALD, MIES
Ross De Alessi Lighting Design
Seattle, Washington, USA



David Ghatan, IALD, MIES, LC
C. M. Kling & Associates, Inc.
Alexandria, Virginia, USA

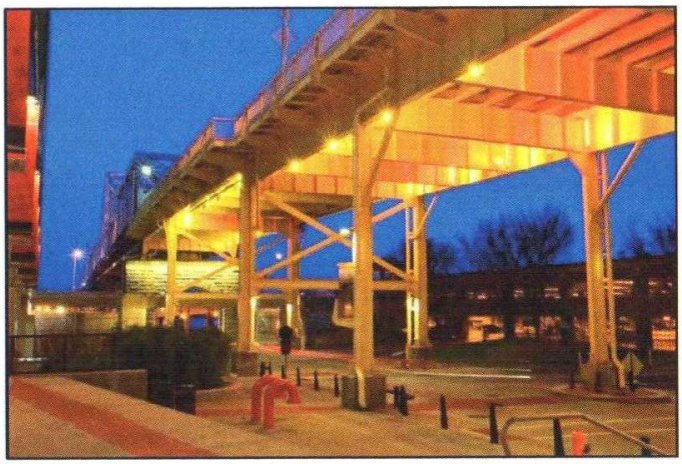
Ion Luh, IALD Assoc.
Consullux Lighting Consultants
Toronto, Ontario, Canada

2011 GE Edison Awards
Special Citation

Louisville Second Street Transportation Project

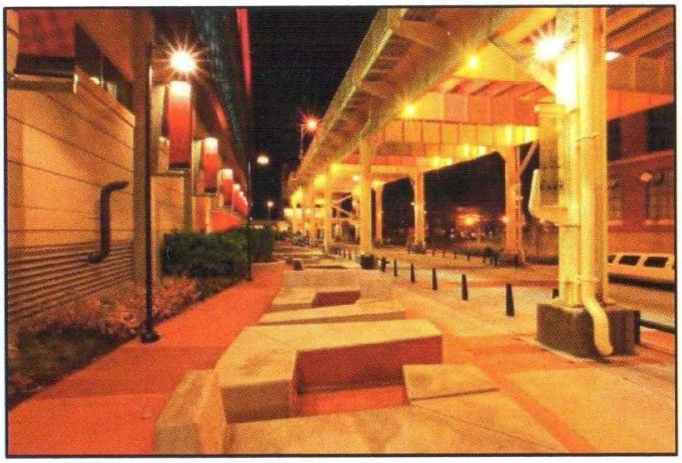
Louisville, Kentucky, USA

A service road and vacant land alongside the historic Clark Memorial Bridge in Louisville, Kentucky was once a dark, ominous area. Now it's a bright, multi-purpose outdoor gathering and event space. A rich palette of time-based effects was achieved with a constrained budget of $500,000 for installed lighting.



Photography by: ©TedTarquinio.com

The key design concept is the ingenious use of the underpass as an outdoor luminous room. Ground-level illumination is provided for seating areas, sidewalks and plaza while the iron bridge's underside is enhanced with light that grazes the I-beam surfaces and textures. The lighting design features GE 70-watt ConstantColor® CMH® G12 lamps in fixtures located on the bridge columns and on poles, and GE 54-watt T5 fluorescent lamps in fixtures placed under the bridge and at the stone pier. The lighting from the T5 fluorescents, mounted vertically and fitted into corners, grazes rivets and metal connections to enhance the 20th century engineering structure details.



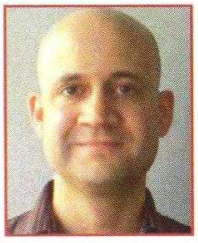
Photography by: ©TedTarquinio.com

To seemingly bring the structure to life, beacons and projected lighting effects are programmed in rhythmic sequences onto the bridge's face to count down each hour.

Leni Schwendinger
Light Projects LTD
New York, New York, USA

Leni Schwendinger

Eric Chenault



Joseph Legros

2011 GE Edison Awards
Special Citation

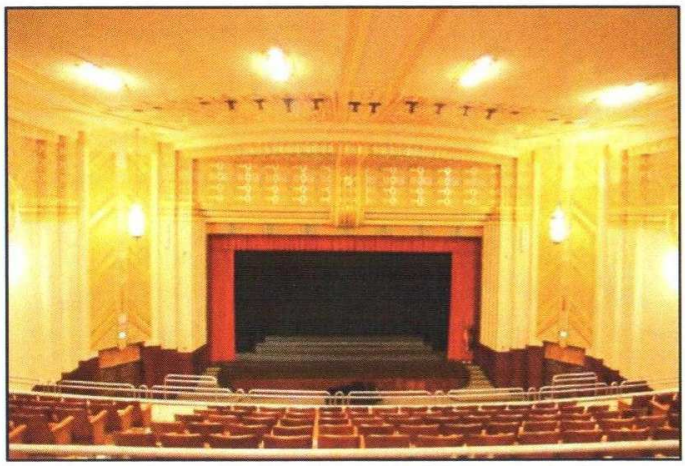
Ogden High School Auditorium Restoration

Ogden, Utah, USA

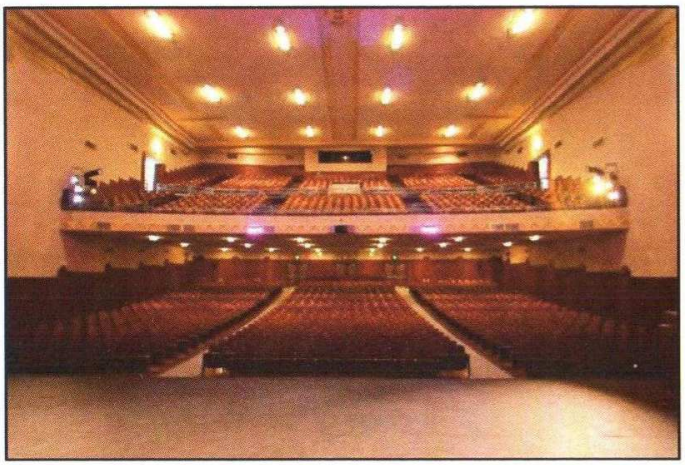
The Ogden High School Auditorium is the pride of the city. Since its opening in 1937, the 300+ seat art deco masterpiece has played a central role in educating and entertaining the community. Following a well-organized fundraising effort, the auditorium was restored and seismically retrofitted. Completely respecting the original design and preserving historic materials and aesthetic goals, an advanced performance lighting and control system, new theater technology, and improved access to lights, catwalks and load-in positions, were added.

The original incandescent performance lighting has been replaced with GE 575-watt halogen stage and studio lighting. In the audience areas, the most energy-efficient sources possible were selected within the limitations of the restored historic fixtures. The original glass reflector luminaires were restored, using 300-watt PS25 lamps, always operated on dimmers. Energy-efficient fluorescent fixtures with GE 32-watt T8 High Lumen lamps were added behind glass panels with control lockouts to force the use of the fluorescent lamps except during stage performances. Never-maintained aisle lights in seating standards were restored using LED sources.

The historic restoration extends to the lobby which features new historic pendant lights with long-life incandescent lamps on dimmers, LED-illuminated donor plaques and fluorescent egress lighting.



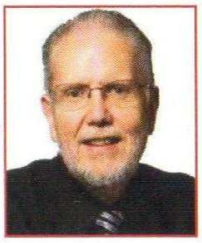
Photography by: Michael Raddon, CPSM, with Spectrum Engineers



Photography by: Tracey S. Dunford with Spectrum Engineers

Joseph "Jody" M. Good, III,
LC, FIES, IALD, USITT, LEED® AP

Spectrum Engineers
Salt Lake City, Utah, USA

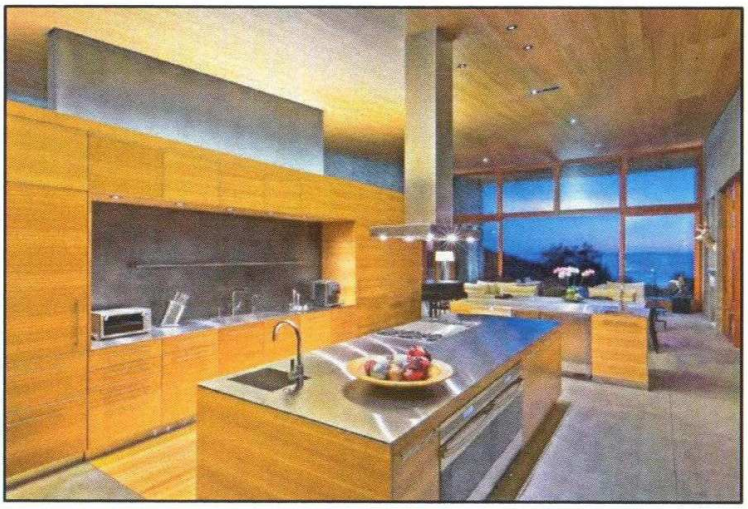


2011 GE Edison Awards
Award for Residential Design

Toro Canyon Residence

Santa Barbara, California, USA

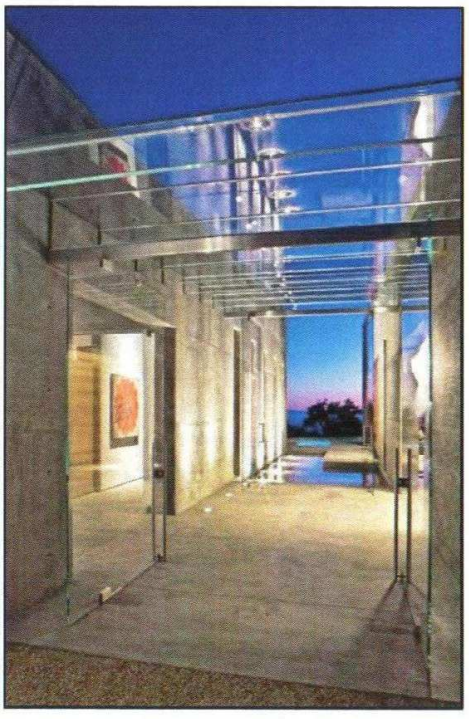
This Toro Canyon residence is nestled in a 10-acre canyon overlooking the Santa Barbara coastline. The lighting plan reflects the overall simplicity of design using a repetition of fixture types throughout to strengthen the cohesive intent of the project.



Photography by: Ciro Coelho Photography

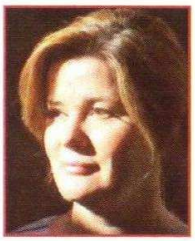
A rich combination of materials is used throughout the 7500 sq. ft. home. Like the structure, lighting is minimalistic but strong. Adjustable accent lights with GE 20- and 37-watt Precise™ IR M16 lamps highlight work surfaces, art, furnishings and the dining table. Concealed in upper cabinets, uplights with GE T5 High Output 3500 K fluorescent lamps illuminate the wood ceiling.

The foyer lighting is simple but dramatic. To de-materialize the glass, the lighting is continuous inside and out. Three well-shielded in-ground uplights, with 20-watt IR MR16 lamps, graze the concrete wall indoors. The effect is carried outdoors with four recessed 50-watt IR MR16 underwater pool uplights, which allow the eye to continue out towards southerly views of the Pacific Ocean. The same in-ground uplights are used in the living room to light the concrete walls and wood ceiling, providing an illuminated frame to bolster this strong architectural elevation.



Photography by: Ciro Coelho Photography

Ann Kale Associates
Santa Barbara, California, USA



Ann L. Kale

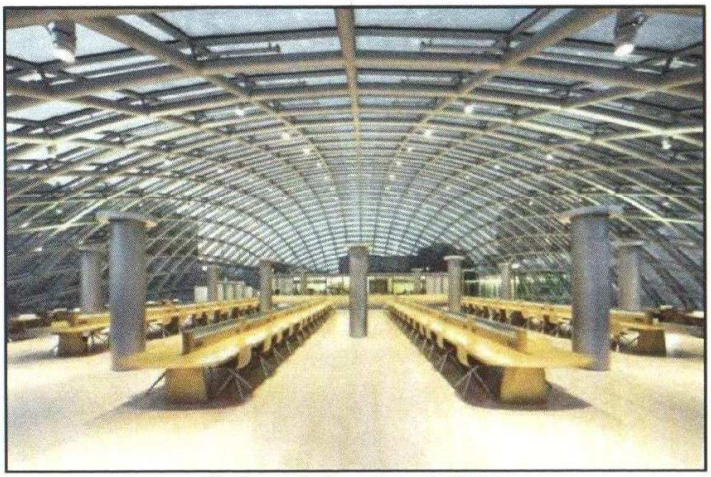
Krista A. Rhodes

2011 GE Edison Awards

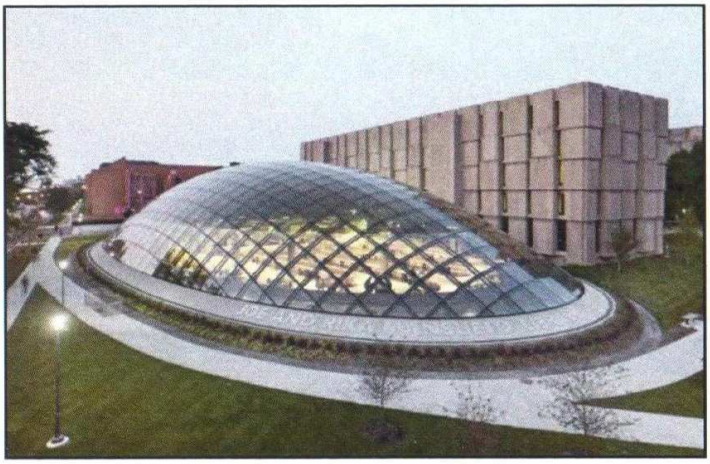
Award of Merit

Joe and Rika Mansueto Library

Chicago, Illinois, USA



Photography by: rainer viertlböck



Photography by: rainer viertlböck

Maximizing the use of daylight, conservation of valuable print material and minimal energy consumption were the rallying cries in the design of the new Joe and Rika Mansueto Library at the University of Chicago. The architects housed the reading rooms in the only above-grade level: a glass-encased steel grid shell structure. Daylighting control is maintained through a 57% frit to avoid glare and heat gain, and reflect the electric lighting at the same time.

At night, a well-balanced combination of direct/indirect lighting reminds the reader of the qualities of daylight. The reading room has only three types of luminaires: downlights, with GE 150-watt and 70-watt ConstantColor® CMH® lamps; uplights with GE 26-watt Double Biax® 3500 K lamps hidden atop ventilation kiosks; and task lights with GE 35-watt T5 3000 K fluorescent lamps that are integrated into the work stations. Underneath the glass-domed reading room, 3.5 million books are buried in cavernous vaults to protect them against damage from light.

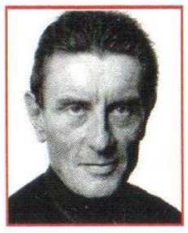
Michael F. Rohde

Dorit Anderle

Stephanie Rock

Alan Al-Salihi

Magdalena Gomez



Helmut Jahn

L-PLAN Lighting Design
Berlin, Germany

Murphy/Jahn
Chicago, Illinois, USA

2011 GE Edison Awards

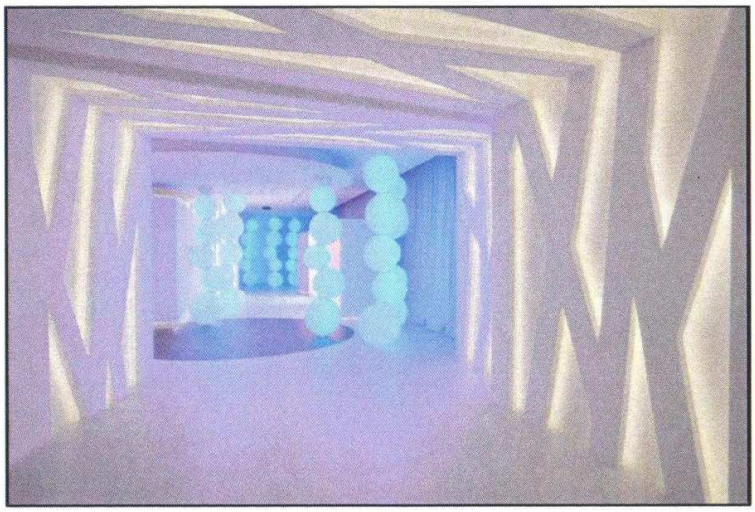
Award of Merit

Lighting Experience Center

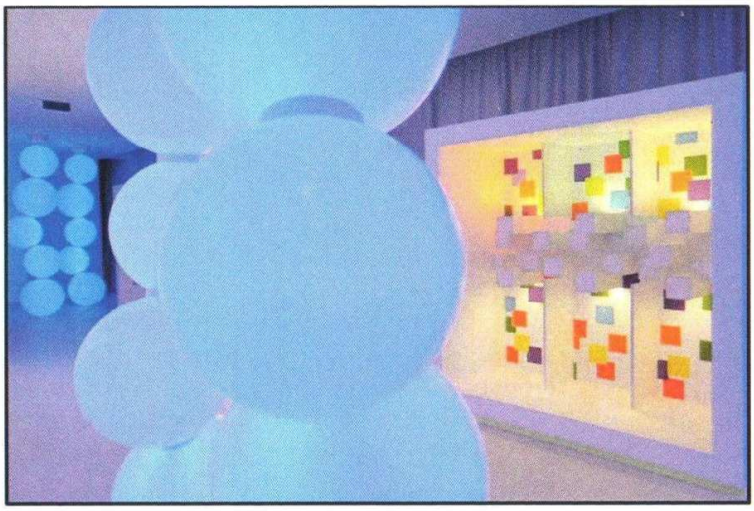
Budapest, Hungary

GE Lighting wanted to build a lighting exposition center on the ground floor of a headquarters building in Budapest, Hungary. In addition to showing guests and customers the latest solutions offered for different applications, the space was to be inspirational and evoke an emotional response to lighting.

Upon entering the center, visitors are invited on a leisurely stroll through an enchanted forest of light featuring GE Tetra® Contour and GE Infusion™ LED systems. The stroll ends in a symbolic clearing – a frozen lake that connects this space to a more structured area representing the heart of the city and specific lighting application solutions. Each application area, including retail fashion and office, is a slice of urban living, an interactive space that comes to life when approached.

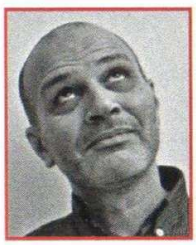


Photography by: Tamás Szémann



Photography by: Tamás Szémann

Cerquiglini & Rossi Architecture
Varedo (MB), Italy



Andrea Cerquiglini

Laura Rossi

Simone Alberti

Valentina Strada

Valeria Regazzetti

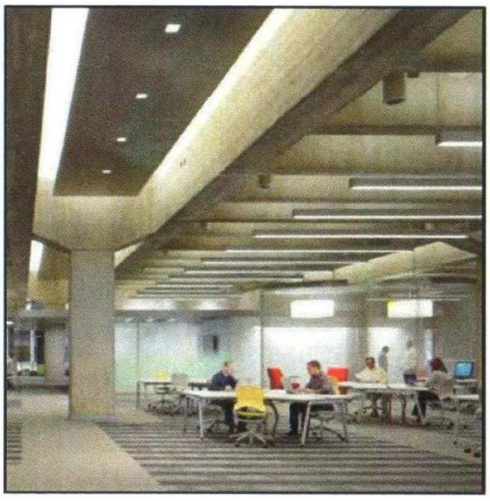
Arianna Amato

2011 GE Edison Awards
Award of Merit

University of Illinois at Chicago Daley Library

Chicago, Illinois, USA

Photography by: Christopher Barrett



Photography by: Christopher Barrett

In 2011, the Daley Library at the University of Chicago underwent a complete transformation. The once drab, dated space was revived into a dynamic center for research, presentations, group study, tutoring and socializing. The new lighting celebrates the raw, brutalist-style architecture, and was integral to transforming the library into an exciting and inviting space.

To reveal the exposed concrete structure, unobtrusive direct/indirect linear pendants, suspended between the beams, incorporate a single row of GE 21-watt and 28-watt T5 3000 K fluorescent lamps. Between columns, coffers are uplit by concealed 28-watt T5 3000 K striplights above a suspended floating metal ceiling. Recessed downlights with GE 39-watt ConstantColor® CMH® G12 lamps supplement light levels below.

To simplify maintenance, only 6 lamp types were used to light the library, and compared to pre-renovation levels, lighting energy consumption is reduced by 50%.

Emily Klingensmith, IALD, LC, LEED® AP

Miory Kanashiro, LC, LEED® AP BD+C

Kanis Glaewketgarn

Lindsay Jonkers

Schuler Shook
Chicago, Illinois, USA

2011 GE Edison Awards
Award of Merit

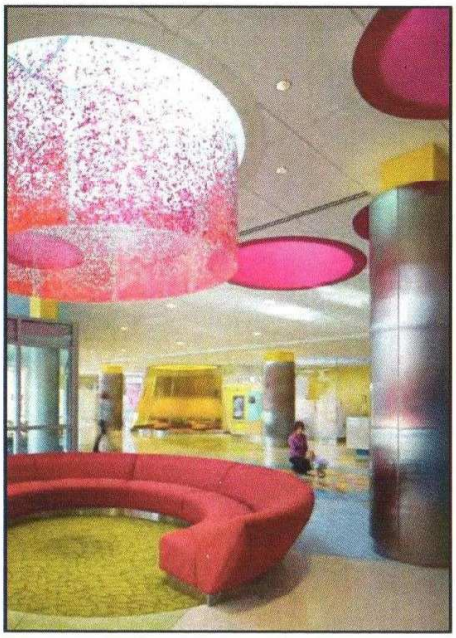
University of Minnesota Amplatz Children's Hospital

Minneapolis, Minnesota, USA

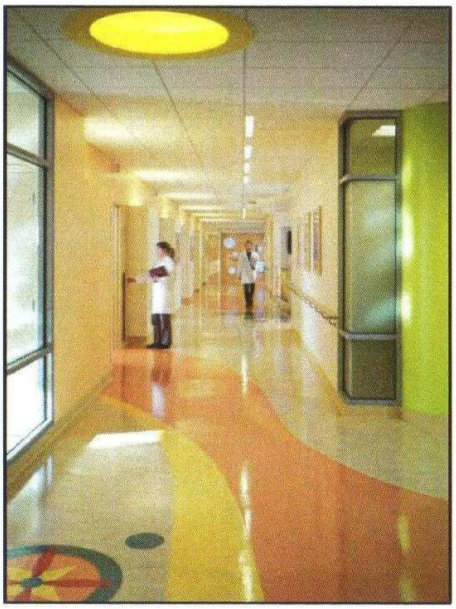
The new 320,000 sq. ft. bed tower at the University of Minnesota Amplatz Children's Hospital includes 92 patient beds and public spaces. The design theme "Passport to Discovery" focuses on providing fun and inspiring environments for young patients and their families. This is visualized by intriguing compositions of colors and patterns, translucent materials and textures.

In the lobby, bold colors intensified by daylight, generate stunning visual impact. Lighting is provided by circular skylights and recessed downlights with GE 100-watt ConstantColor® CMH® ED17 lamps. Additional illumination for the patterned glass cylinder is provided by recessed accent luminaires with 39-watt CMH PAR20 lamps. A yellow glass cone anchors the resource center where fun exploration occurs. The cone glows with a luminous ceiling provided by GE 25-watt T8 3500 K fluorescent lamps. Concealed LEDs on the tops of columns gently glow onto the ceiling.

Colorful panels backlit with 32-watt T8 lamps differentiate elevator lobbies and corridors. The patient corridor features multi-layered lighting for visual comfort and flexibility to accommodate day and night shifts. Uplighting with GE 54-watt T5 3500 K fluorescent lamps, concealed on the tops of bump-out walls, creates a soft glow on the ceiling. Linear luminaires with 28-watt T5 lamps provide general illumination while lighting artwork on the walls. Circular ceiling light elements add a "fun touch" to the space.



Photography by: Nick Merrick/Hedrich Blessing



Photography by: Nick Merrick/Hedrich Blessing

Tao Ham

HGA Architects and Engineers
Minneapolis, Minnesota, USA

2011 GE Edison Awards
Award of Excellence

Cornell University, Milstein Hall

Ithaca, New York, USA

The modern architecture of Milstein Hall, Cornell University's new Architecture, Art and Planning building, includes flexible studio space on the upper plate, a pedestrian plaza and auditorium on the ground level, and a critique space and gallery below grade. The lighting design responds to both the aesthetic of the ceiling and the function of each floor with bright fluorescent lighting at the basement level and upper plate studio, and calming warm light at the pedestrian plaza and outdoor gathering spaces. Some unique lighting design features provide elements of surprise.

In the pedestrian plaza, fluorescent striplights with GE 54-watt T5 3500 K lamps are cast into the concrete ceiling and provide bright, shadow-free ambient lighting. A custom frosted acrylic lamp sleeve was designed to control glare. A lighting control system allows light levels to be adjusted for special events, and automatically dims lights when the space is not in use.

The upper plate studio space has an abundance of natural light from the three exposures of full-height glazing and 41 skylights. Custom six-lamp indirect/direct pendants with GE 32-watt T8 3500 K fluorescent lamps were designed to match the chilled beams. The fixtures are controlled by an array of photosensors that adjust light output in response to available daylight across the expansive floor plate. The top of the pendant is perforated to provide soft uplight on the ceiling yet mitigate light trespass through the skylights.

The glow created by the lighting in the second-floor studio space contrasts with the lower light levels under the cantilever, reinforcing the hovering appearance of the building. Protected from the elements, the pedestrian plaza below becomes an outdoor gathering area and exhibition space.

Suzan Tillotson

Christopher Cheap

Tillotson Design Associates
New York, New York, USA

Photography by: Iwan Baan

Photography by: Iwan Baan

2011 GE Edison Awards
Award of Excellence

Museum of the Bavarian Kings

Hohenschwangau, Germany

Located in Germany's most picturesque Alpine region, the Museum of the Bavarian Kings underwent an extensive renovation. Planned by Staab Architekten from Berlin, the museum houses a permanent unique exhibition displaying the history of the Wittelsbach dynasty and their Bavarian Kings. GE halogen lamps and state-of-the-art lighting technologies, including GE Tetra® PowerGrid, were employed to reveal the remarkable architecture and highlight the precious exhibits.

A dramatic luminous vaulted ceiling in the large exhibition space of the Royal Hall creates a shadow-free lighting ambience while ensuring high visual comfort. The sculptural barrel roof with its rhombic steel structure is clad with 866 translucent ceiling panels, each backlit with a custom recessed LED module. The soft, warm white hue conveys an impression of lightness, grandeur and festivity for the space. Information panels are uniformly backlit with GE Tetra® PowerGrid LED lighting systems. The luminance level allows images and texts to be comfortably viewed. Neatly integrated within the ceiling structure, recessed adjustable spotlights with GE 60-watt halogen T4 lamps accentuate the exhibits in the center of the space and add brilliancy to the diffused ambient lighting.

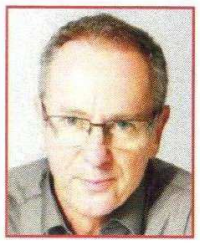
The luminous vaulted ceiling design is continued into the adjacent Panorama Hall. The majestic surrounding nature backdrop is brought into the interior space through mirrored stainless steel elements.

Andreas Schulz

Licht Kunst Licht AG
Bonn, Germany

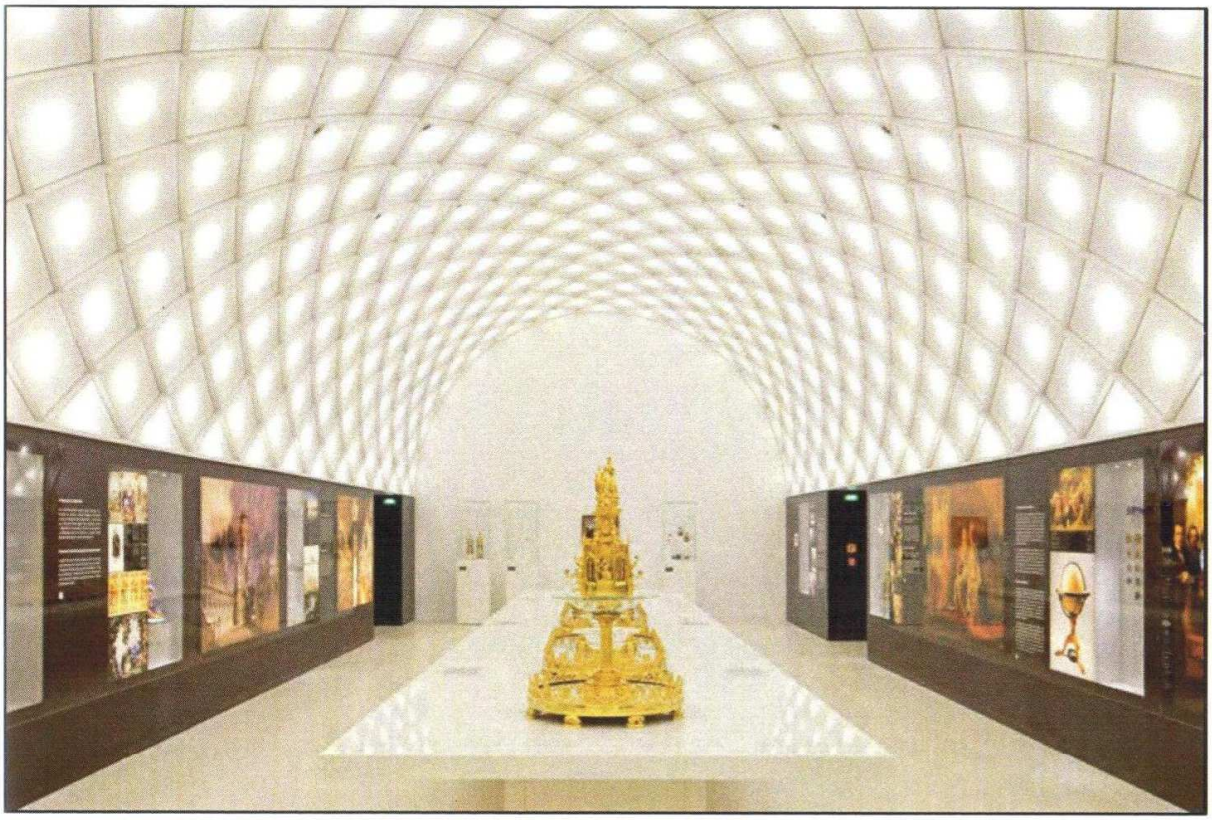
Malte Simon

Licht Kunst Licht AG
Berlin, Germany

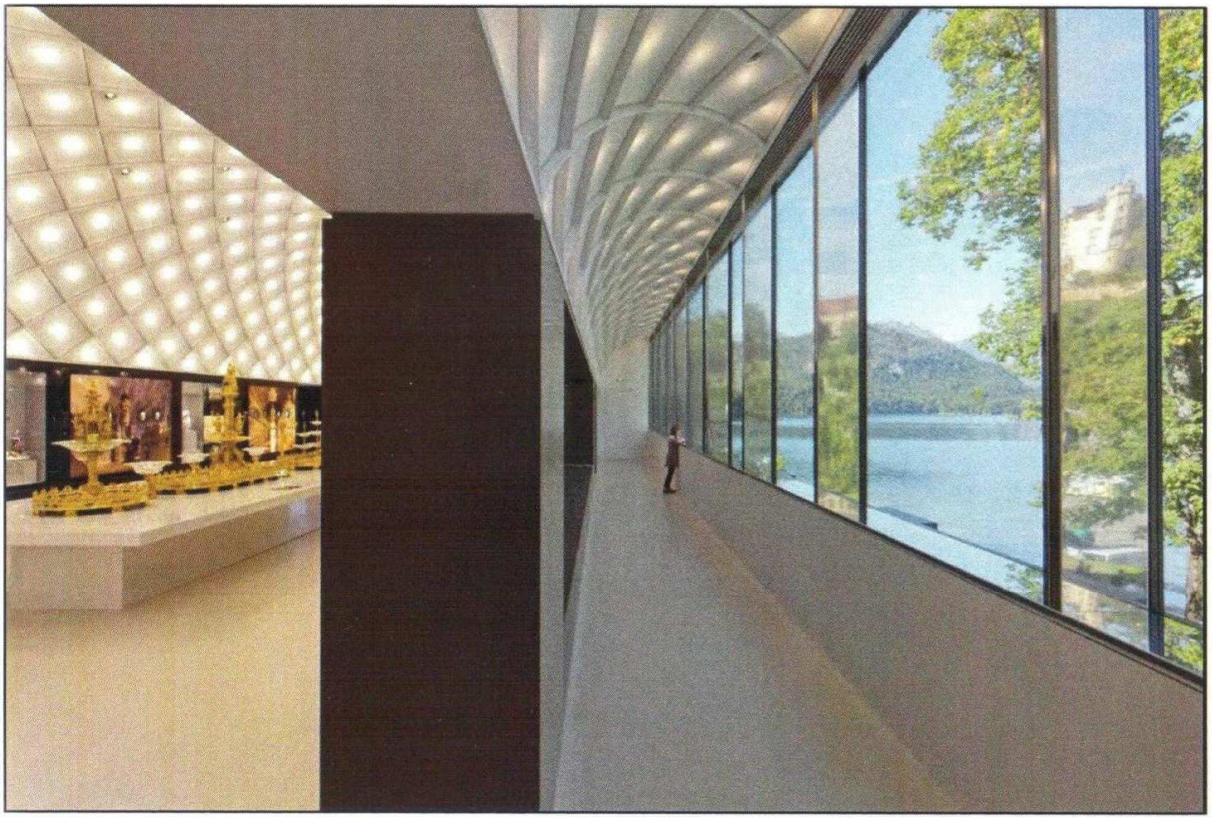


Thomas Möritz

Licht Kunst Licht AG
Bonn, Germany



Photography by: Marcus Ebener



Photography by: Marcus Ebener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