



Design With Light

Student Lighting Design Competition 2010

OBJECTIVE

Design With Light was started by the Philadelphia Section of the Illuminating Engineering Society in 1999 to raise awareness and understanding of the lighting design profession within the student community. Students are invited to a one day charrette to solve a given design challenge. Each assigned group of students must develop an original and innovative design and present it orally to a panel of judges.

PROJECT DESCRIPTION

The scope for this year's lighting project includes a 15 story hotel tower with a lobby and penthouse lounge. The architecture provides clean lines, pure form and open space associated with modern design as the vessel which houses the interior architecture. The interior design uses a post-modern approach incorporating traditional form in exaggerated fashions, elements of whimsy and mixing of traditional materials in unexpected ways. These interior design statements are expressed in the furniture, millwork or light fixtures and are typically disconnected from the architecture providing a dynamic tension between the modern architecture and the postmodern interior design.

The project is adjacent to an existing signature hotel and will be linked via a sinuous bridge at the fifth level. The owner's vision was to create an adjacent building to the existing facility that is architecturally iconic in its own right, but does not overwhelm the existing hotel. The interior spaces need to stand on their own architecturally and provide the sense of fun and wonder that is associated with the resort and its surrounds.

Scope of competition

The scope of the competition will include three lighting areas, the Exterior Façade, the Ground Floor Lobby, and the 15th Floor Lounge. The successful team will incorporate theme elements identified as important to the client into the designs and have common woven themes throughout the three design areas.

Exterior Façade

- Front exterior façade of the guest room tower should include lighting to highlight and identify the entrance to visitors.
- Reinforce and highlight the architectural features that make this building unique and visually interesting.
- Define the form of the building.
- Take into consideration that these are guest rooms and that the façade lighting should be considerate of the guests.
- Take into consideration that views from the building to adjacent features are important.



Interior spaces:

Ground Floor Lobby

- Design lighting for the space understanding how people will use the space; arrival, orientation, transition, waiting.
- Design lighting for seating areas understanding that people waiting will typically desire their own “private” space while waiting.
- Design at least one custom decorative chandelier to be used on either side or both sides of the bridge in the space.
- Design lighting for accent walls.

Lounge on the 15th Floor

- Design general lighting for space understanding how the space will be used; lounge for gathering of small groups, drinks and hors d’hoerves, observation deck. The small groups will desire a sense of intimacy and privacy.
- Design at least one custom decorative fixture that reinforces the post modern character of the interior design.
- Design decorative lighting for bar area.
- Design lighting understanding the use of the lounge as an observation deck for surrounding landmarks.

Information from Early Programming Sessions with the Owner:

- The two feature spaces within the guest room Tower are the ground floor lobby and the observation deck / lounge on the 15th floor. Both spaces are round rooms with full height glazing facing due East and West providing extraordinary views.
- The interior design incorporates oversized and uniquely shaped furniture; the large chandeliers should be made from multiple materials with penetrating shapes to elicit the whispered “wow” as the guest enters the space for the first time. These should provide general illumination but need to keep the whimsical, fun and post modern feel to them.

Brand Essence Statement

- The developer / owner of the hotel own hotels and resorts around the world. They emphasize that their mission is to provide fun and entertainment. Their projects are typically themed depicting a specific style of architecture. For this project the design concept, as described above, will be Modern / Post Modern.
- The lighting design for the project needs to work in collaboration with the interior design to provide the “wow” factor that reinforces the owner’s mission of fun for its guests.



ELIGIBILITY

The competition is open to all full or part time, undergraduate and graduate students enrolled in lighting design, art, architecture, engineering, industrial design, and interior design programs.

Enrollment must be at an accredited Philadelphia area degree granting institution. The IES Philadelphia section will reserve the right to determine the acceptability of accreditation. For the purpose of the competition, The Pennsylvania State University is an acceptable accredited institution by the IES Philadelphia section.

REGISTRATION

The registration will be based on first-come, first-served basis. Only 20 students will be accepted into the competition. Registration deadline is **January 29, 2010**

Mail application form to:

Stephen Hoppe
600 Chestnut Street, Suite 772
Philadelphia, PA 19106

Or email form to shoppe@thelightingpractice.com

SCHEDULE

February 6, 2010 – One Day Charrette Competition

The competition will be held at the offices of:
Ewing Cole, Federal Reserve Bank Building, Philadelphia, PA 19106

March 8, 2010 – Award Notification:

Notification of award will be sent to the students and faculty by mail or email.

April, 2010 – Awards Banquet:

Awards will be awarded at the annual IES Philadelphia Section awards banquet. The exact date of the banquet is to be determined.



COMPETITION FORMAT

Team

Students from different institutions will be grouped together based on skills as specified on application form. (Maximum 4 students per group). A lighting designer will be assigned to each group for guidance and support.

Time

9:30am	Registration
9:45am	Introduction of project; Handout program/ material; Q&A
10:00am	Start the competition
12:30pm	Lunch
4:00pm	End of competition; Students hand in their presentation
4:10pm	Students present their design solutions (Max 10 mins each group)
5:00pm	End of event

Breakfast, Lunch, and refreshment will be provided. Time is subject to change.

Tools

Students are encouraged to bring their own tools for use for presentation. One rigid form core board will be provided to each group for final presentation.

Suggested tools: sketch paper, pencils, color pencils, color markers, erasers, scaled ruler, glue, scissor, etc

DESIGN SUBMISSION

One 30" x 42" rigid illustration board (Backboard provided by IES Philadelphia)

This must display:

- A lighting plan showing luminaire types, location, critical dimensions, etc. and any intended control circuits.
- Illustrative material demonstrating the lighting design intent. Hand renderings are encouraged. Illustrations may include, but are not limited to sketches, sections, elevations, details, perspectives, and photos of luminaires.
- All necessary titles, labels, scale notations, etc and brief descriptions of design intent in each area of the project.

All submitted materials may be used by the IES Philadelphia section for public display, publication, and promotional materials.

JUDGING

A panel of judges shall be appointed to review the entries after the oral presentations and determine the awards.



TIPS FROM JUDGES

- Read the instruction carefully and thoroughly.
- You cannot do everything yourself in short period of time. Recognize your teammate's skills and use them appropriately.
- Design intent is the main focus of the competition. Presentation is important.
- Lighting concept and design process should be clearly defined.
- Make sure the submissions are legible with clear graphics and text.
- If you have questions, ask.

AWARDS

First Place: \$800 and certificate to the team
Dinner at the awards banquet for the entrant(s)

Second Place: \$400 and certificate to the team
Dinner at the awards banquet for the entrant(s)

Honorable Mention: Certificate(s) to the entrant(s)

All institutions with participating students will receive lighting educational references; all participating students will receive gift cards and other prizes.

Award note:

Only one (1) first place and one (1) second place will be awarded. First and second place monetary awards will be divided equally among the entering team members. Each member of a joint entry will receive an award certificate and dinner at the Awards Banquet.

MORE INFO

You may e-mail questions to:
Stephen Hoppe: shoppe@thelightingpractice.com

You can also visit the IES Philadelphia website <http://www.iesphl.org/design>





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APPLICATION FORM

Last name First Name

Street Address Apt. #

City State Zip Code

Phone # (xxx-xxx-xxxx) e-mail

Are you an I.E.S.Member? **Yes** **No**

Instructors Name Name of School

Please rate your skills, so we can group you appropriately
(0 = not at all: 10 = very fluent)

Hand Rendering: 0 1 2 3 4 5 6 7 8 9 10

Hand Sketch: 0 1 2 3 4 5 6 7 8 9 10

Technical Skills: 0 1 2 3 4 5 6 7 8 9 10
(understand lamping, lighting control strategies, luminaire styles, etc.)

Public Presentation: 0 1 2 3 4 5 6 7 8 9 10

Instructions:

1. Please type or print application form.
2. Send application from to the address below:
Stephen Hoppe
600 Chestnut St., Suite 772
Philadelphia, PA 19106

Or email to shoppe@thelightingpractice.com by **January 29, 2010**

The competition is first-come, first served basis. Only the first 20 students will be accepted into the competition. There is no fee to enter this competition.

Event Sponsor Contributors
IES Philadelphia Section

Project Sponsor
Grenald Waldron Associates

Event Location
Ewing Cole

