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**Autumn 2021**

## **Special Announcement**

### **Raleigh Section Illumination Awards**

**You're invited to show off your best work and enter for a chance to win a paid registration to the International IES Illumination Awards competition (\$150 Value)!**

- Any North Carolina companies and individuals are welcomed to submit a project (submissions are not limited to **NC** Projects).
- Projects completed within the last TWO years (projects completed after Jan 1, 2020) are eligible for entry.
- IES Members and non-members are eligible to enter!

For more details and to submit your project, follow this link:

<https://raleigh.ies.org/awards/>



## ***Illumination Awards***

**The IES Raleigh  
Section invites you to  
participate in a local  
Illumination Awards  
competition!**

Our winner will be announced Dec 1, 2021 and will receive paid registration (\$150) to international IES Illumination Awards.

# Local Events

## Social Events

### Our Next Social: Lumens and Lunch

Enjoy the Holiday Season! Our Lumens and Lagers will break for the holidays and restart after the new year. Mark you calendars for Jan 21st at 4pm.

## Educational Events

### November Program

#### Lighting Retrofit: Considerations, Strategies, Products

Date: Thursday, November 11, 2021

Time: 12pm-1pm

Register here: <https://bit.ly/3vQO8Vs>

**Thank you to all our members who have attended our webinars this fall!**

As a reminder, you can rewatch any of our recorded webinars on our [IES Raleigh YouTube Channel](#)

We want to hear from you! Do you have an idea for a future educational or social event?

Submit your ideas to [iesraleighsection@gmail.com](mailto:iesraleighsection@gmail.com)

## Membership

Welcome to our newest member!

Jeri Bonvillain | O'Brien Atkins

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## Member Spotlight

This issue's member spotlight is on Mai Carr Zakerin, LC.



## Mai Carr Zakerin, LC

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Member of IES Since 1985

**Current Role in Membership:** Secretary

**Company:** LiteSource

**Title:** Specification Sales - Central/Eastern NC

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**When did you first hear about the IES and what prompted you to join?** Professor David DiLaura first introduced me to IES and illumination science / design / engineering while attending a required general engineering class as part of my degree in Architectural Engineering at University of Colorado. Not quite as known then, Professor Dilaura was a leader in illumination and wanted to inspire the next generation of Illumination Engineers and it was at his urging that all Illumination students be involved in IES student chapter at the University of Colorado - Boulder.

**What is the best thing about the Society? Why do you continue to renew?** The Illumination Engineering Society is the authority that helps to guide the application and science of lighting. As the institution of lighting knowledge, IES is only as good as it's contributors, so I owe to the organization to continue my membership and the rich history and knowledge I have gained in the field of illumination to share with our newer members. I renew because IES members are my colleagues and friends and we all have a mutual understanding and an appreciation of why lighting is important and why we need to continue to build the society's knowledge.

**At what point in your career did you come to understand lighting was the career path for you?** I was instantly intrigued and hooked with both the art and science of illumination which differed from anything I had experienced in any of my other engineering or architectural classes in college. Until my first illumination class at CU (University of Colorado), I did not know there was such a field as Illumination. The science of lighting was around for ages, but the art was not as well known then. It ignited both my left and right brain, and I was hooked right from my first introduction. I may do a lot of things, but illumination remains to be at the core of all I do since my inquisitiveness has never been quenched and illumination continues to evolve especially with LED technology which has transformed illumination.

**When not serving the advancement of the art and science of lighting, how do you like to spend your free time?** I prefer not to take the same path twice and love

traveling and discovering, good food and good friends!

## Project Feature

### MBRB Lobby Lighting Improvements

Project submitted by Leah Robinson | Pivotal Lighting Design



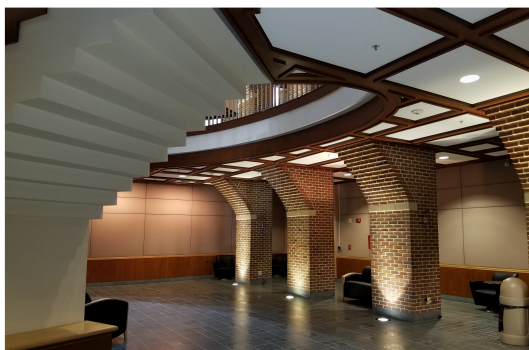
**Project Description:** Due to the demolition of Berryhill, additional student lounge space was needed until the new medical education building could be constructed. The lobby areas of the Medical Biomolecular Research Building (MBRB) required a lighting upgrade to be suitable for study and recreational space as the existing lighting systems did not provide suitable horizontal or vertical illumination for study and recreational tasks.

**What was a unique challenge associated with this project?** Pivotal was charged with working directly with the UNC Interiors department to develop strategies and research products for quantitative as well as qualitative improvement in the illumination. The architect held the contract, but had no scope of services for

this project meaning there was little opportunity for architectural intervention in augmenting the lighting systems. In other words, there was no way to introduce soffits, coves, etc. Furthermore, the existing finishes consisted of primarily brick, wood, and custom ceiling panels. The solutions would have to be primarily retrofit-based.

**What factors contributed to the success of this project?** Persistence was key in understanding the nuances of this project. Even the owner was unclear about the status of LED retrofit lamps in the space, the control system, and above-ceiling access. It took some digging to understand what we could or could not do. The support of local factory rep agencies was also invaluable in finding the products at the right pricing and in the right amount of time to meet the schedule and budget demands.

Before Pictures:



**Design Team:**

Lighting Designer: Pivotal Lighting Design

Architect: Flad Architects

We want to hear from you!

Do you have a cool project you would like featured in our next newsletter?

Submit your projects to [iesraleighsection@gmail.com](mailto:iesraleighsection@gmail.com)

## Additional Announcements



# Illumination Awards

## IES Illumination Awards Raleigh Section

**The IES Raleigh Section would like to invite you to submit your design to the North Carolina Illumination Awards (IA) competition.**

### **What are the Illumination Awards?**

The [IES Illuminating Awards](#) program recognizes individuals for professionalism, ingenuity, and originality in lighting design based on the individual merit of each entry.

### **Why should I submit a project to the [North Carolina IA](#)?**

This is a great way for the community to showcase what our lighting designers, architects and engineers have been working on this past year and a great way to demonstrate the high quality projects our community produces. Please consider submitting your projects early, and locally before you submit to the IES 48th Annual International IA in February 2022. Get valuable feedback from our panel of professionals that have judged in the International Illumination Awards in previous years!

### **Important things to know:**

Submissions Due: November 26, 2021

Application can be found here: <https://raleigh.ies.org/awards/>

Fee: \$35 (IES member), \$65 (Non-IES member)

Must be a North Carolina companies or individual (submissions are NOT limited to NC projects)

Projects must be completed within the last TWO years (projects completed after Jan 1, 2020)

**The winner will be announced in December 2021, and will receive a paid registration to the International Illumination Awards (\$150 value)!**

Still have questions?

Contact Turquoise Shaw | email: [tuquoiseshaw@outlook.com](mailto:tuquoiseshaw@outlook.com) | Ph: 704-641-2760

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## Lighting Certification

**Best of Luck to those taking the LC exam in November!**

### What is NCQLP?

[NCQLP](#) is a non-profit organization founded in 1991 to serve and protect the well-being of the public through effective and efficient lighting practice. Through a peer-review process, the NCQLP establishes the education, experience and examination requirements for baseline certification across the lighting professions.

### What is the value of being an LC?

- The LC credential demonstrates to clients/customers and your peers that you have acquired the necessary knowledge, understanding, and ability to apply lighting principles and techniques successfully.
- The LC indicates your commitment to career development and professional practice.
- The LC acknowledges your broad knowledge base in an increasingly specialized practice making you a valuable asset to not only your company, but also the industry as well.

### Exam Calendar

Next Examination: November 1, 2021 thru November 15, 2021

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## Job Postings

**Electrical Engineer I** | Affiliated Engineers Inc. - Chapel Hill | [AEI-NC Careers](#)

**Electrical Designer / Engineer** | Peak Systems Engineering | [Open Positions](#)

**Quotations Specialist** | Graybar | [Careers at Graybar](#)

**Test Engineer** | CREE LED | [Cree Careers](#)

**Process Development Engineer** | CREE LED | [Cree Careers](#)

**Manufacturing Engineer, Supply Chain** | CREE LED | [Cree Careers](#)

Does your company have an open position in North Carolina, South Carolina or Virginia?  
Email us at [iesraleighsection@gmail.com](mailto:iesraleighsection@gmail.com). Include position / title, company name, and a company contact or link to the company job listing.

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1414 Raleigh Road, Suite 305  
Chapel Hill, NC 27517

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