

# Matthew Hartley

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## Education

University of Colorado, Boulder

December 1997

Bachelor of Science, Architectural Engineering

Metropolitan State University of Denver

January 1990 – January 1992

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## Areas of Expertise

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| ▪ Photometry          | ▪ Leadership          | ▪ Material          |
| ▪ Lighting Design     | Development           | Requirements        |
| ▪ AGI32 Software      | ▪ Process             | Planning            |
| ▪ Visual Software     | Development           | ▪ People Management |
| ▪ Manufacturing       | ▪ Technical Marketing | ▪ People Skills     |
| Processes             | ▪ Project Management  |                     |
| ▪ Lighting Survey and | ▪ Corporate Education |                     |
| Verification          | ▪ Product Management  |                     |

## Key Achievements

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| ▪ Patent: Hartley, Matthew J Lighting Fixtures with Improved Lighting Components. 2023. Patent Number: US 11,835,213 B2 | 2023             |
| ▪ Received Lifetime Service Award Street and Area Lighting Conference   | 2019             |
| ▪ Patent: Hartley, Matthew J, et al. Lighting Fixture. 2009. Patent Number: US D597, 700S.                              | 2009             |
| ▪ Elected Street and Area Lighting Committee Chairman   | 2014 – 2016      |
| ▪ Guest lecturer, University of Colorado School on Civil, Architectural and Environmental Engineering                   | 2011, 2023, 2024 |
| ▪ Appointed to the Illuminating Engineering Society (IES) Education Review Council                                      | 2010 – 2017      |
| ▪ Appointed to the Illuminating Engineering Society (IES) Education Materials Review Committee                          | 2017 – 2020      |
| ▪ Street and Area Lighting Conference, Lead Instructor  | 2009 – Present   |

## Training and Mentoring

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| ▪ Certified Instructor, IES SEM courses      | 2017 – Present |
| ▪ Registered Course for IES "Photometry 101" | 2016 – Present |

|   |                   |
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| ▪ Lead Instructor, IES Street and Area Lighting Conference  | 2009 – Present    |
| ▪ Education Coordinator, IES Street and Area Lighting Conference                                      | 2010 – 2019       |
| ▪ Outdoor Lighting Applications Instructor, IES Street and Area Lighting Conference                   | 2014 – Present    |
| ▪ Guest Lecturer, University of Colorado School on Civil, Architectural and Environmental Engineering | 2011, 2023-2024   |
| ▪ Intermediate Lighting Instructor, IES Street and Area Lighting Conference                           | 2004 – 2010       |
| ▪ Advanced Lighting Instructor, IES Street and Area Lighting Conference                               | 2003              |
| ▪ Basic Lighting Instructor, IES Street and Area Lighting Conference                                  | 2000, 2002        |
| ▪ Fundamentals of Lighting for peerless seminar   | 2007 – 2008       |
| ▪ Lightfair Introduction to AGI32 lighting software class   | 2005, 2006        |
| ▪ Survey of Lighting (Lithonia, Lighting Design)  | 2000 – 2001, 2003 |
| ▪ Fundamentals of Lighting (Lithonia, Outdoor Lighting)   | 2000, 2002        |
| ▪ Lithonia Lighting Sports Lighting Design  | 2001              |
| ▪ SCE&G Outdoor Lighting Basics   | 2001              |
| ▪ Lighting Basics (Lithonia, Lighting Design)   | 2000 – 2001       |
| ▪ Lighting Basics (Lithonia, Light and Psychology/Vision)   | 2000 – 2001       |
| ▪ Outdoor Lighting Basics, Street and Area Lighting Conference  | 2000              |
| ▪ Outdoor Lighting techniques, Granger  | 2000              |

### **Professional Awards and Honors**

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| ▪ Received Lifetime Service Award Street and Area Lighting Conference  | 2019           |
| ▪ Judge, “Brilliance Awards”   | 2013           |
| ▪ Judge, “Lightfair International Innovation Awards”   | 2013           |
| ▪ Judge, “Robert Bruce Thompson Awards”  | 2011           |
| ▪ IIDA Award of Merit, exterior design of Boy Scouts of America Regional Volunteer Center project, published in LD&A | 2005           |
| ▪ Strathmore’s Who’s Who   | 2002 – 2003    |
| ▪ Frontline Leadership, Zenger Miller  | 2001           |
| ▪ Lighting Certified (LC)  | 2000 – Present |

### **Professional Societies and Positions**

|   |                |
|---|----------------|
| ▪ Illuminating Engineering Society Marks Award Committee, Member                                      | 2023, 2024     |
| ▪ Illuminating Engineering Society Outdoor Nighttime Environment Committee, Advisory Member           | 2021 - Present |
| ▪ Illuminating Engineering Society Street and Area Lighting Conference Program Committee, Full Member | 2020 – 2023    |

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| ▪ Illuminating Engineering Society Education, Office and Library Lighting Committee, Co-Chair                | 2019 – Present |
| ▪ Illuminating Engineering Society Education, Office, and Library Lighting Committee, Full Member            | 2019 – Present |
| ▪ Illuminating Engineering Society Education Materials Review Committee                                      | 2017 – 2020    |
| ▪ Illuminating Engineering Society Street and Area Lighting Conference Committee, Chairman                   | 2014 – 2016    |
| ▪ Illuminating Engineering Society Street and Area Lighting Executive Committee, Chairman                    | 2014 – 2016    |
| ▪ Illuminating Engineering Society Street and Area Lighting Conference Committee, Vice Chairman              | 2012 – 2014    |
| ▪ Illuminating Engineering Society Street and Area Lighting Executive Committee, Full Member                 | 2012 - Present |
| ▪ Illuminating Engineering Society Street and Area Lighting Conference Committee, Interim Secretary          | 2012           |
| ▪ Illuminating Engineering Society Office Lighting Committee, Full Member                                    | 2011 – 2019    |
| ▪ Illuminating Engineering Society Education Review Council  | 2010 – 2017    |
| ▪ Illuminating Engineering Society Street and Area Lighting Conference Planning Committee, Chairman          | 2009           |
| ▪ Illuminating Engineering Society Office Lighting Committee, Associate Member                               | 2008 – 2011    |
| ▪ Illuminating Engineering Society Street and Area Lighting Conference Planning Committee, Full Member       | 2006 – 2020    |
| ▪ Illuminating Engineering Society Street and Area Lighting Conference, Education Sub-Committee Chairman     | 2004 – 2009    |
| ▪ Illuminating Engineering Society Street and Area Lighting Conference, Education Sub-Committee, Full Member | 2004 – Present |
| ▪ Illuminating Engineering Society Full Member   | 2002 – Present |
| ▪ Illuminating Engineering Society Street and Area Lighting Conference Committee, Full Member                | 2002 – Present |
| ▪ Illuminating Engineering Society Outdoor Environmental Lighting Committee, Full Member                     | 1999 – 2021    |
| ▪ Illuminating Engineering Society Merchandise Lighting Committee, Full Member                               | 1999 – Present |
| ▪ Illuminating Engineering Society Automotive Retail Sales Lighting Committee, Chairman                      | 1999 – 2016    |
| ▪ Illuminating Engineering Society Associate Member  | 1995 – 2002    |
| ▪ Illuminating Engineering Society of North America CU Student Liaison                                       | 1995 – 1997    |

## Conferences and Presentations

- Instructor: "Outdoor Lighting Applications", Street and Area Lighting Conference, New Orleans, LA 2025
- "The importance of the details of Lighting Standards during and after the design and real world instances.", Illuminating Engineering Society – Webinar Security Symposium 2025
- Instructor: "Outdoor Lighting Applications", Street and Area Lighting Conference, Atlanta, GA 2024
- "3D Printing Past, Present, and Future in the Lighting Industry", IES Maritime Regional Annual Conference, Fredericton, NB 2024
- "Indoor Lighting Quality and the use of UGR in Designed Spaces", IES Maritime Regional Annual Conference, Fredericton, NB 2024
- "Indoor Lighting Quality and the use of UGR in Designed Spaces", IES Albuquerque Section, Albuquerque, NM 2024
- "Design Development Exterior Lighting", Guest Lecturer University of Colorado Boulder 2023-2024
- "Enlightenment of the use of UGR in Designed Spaces", IES Rocky Mountain Section Tech Talk Series – Virtual 2023
- Panel Member: "Blinded by the Light: Using UGR Effectively", Lightfair International, New York, NY 2023
- Panel Member: "Addressing Glare Responsibly with UGR for Wellness in Buildings", Illuminating Engineering Society Annual Conference, Schaumburg, IL 2023
- "EV Charging & the Lighting Industry", Street and Area Lighting Conference, Indianapolis, IN 2023
- Instructor: "Outdoor Lighting Applications", Street and Area Lighting Conference, Indianapolis, IN 2023
- Instructor: "Outdoor Lighting Applications", Street and Area Lighting Conference, Dallas, TX 2022
- "Effective Outdoor Lighting: Efficacy & CU", Street and Area Lighting Conference - Webinar 2021
- Panel Member: "Discomfort Glare in Outdoor Nighttime Environments", Raleigh Illuminating Engineering Society Section, Raleigh, NC – Webinar 2021
- Speaker: "Photometry 101", Lightfair International- Webinar 2020
- Instructor: "Outdoor Lighting Applications", Street and Area Lighting Conference, San Diego, CA 2019
- Instructor: "Fundamentals of Lighting", Albuquerque, NM Section, Albuquerque, NM 2019
- Speaker: "Photometry 101", Maritime Section, Halifax, Nova Scotia 2019

- Speaker: "Photometry 101", Maritime Section, Moncton, NB 2019
- Speaker: "Photometry 101", Maritime Section, Fredericton, NB 2019
- Speaker: "Variance in Physical Photometry", Street and Area Lighting Conference, Orlando, FL 2018
- Instructor: "Outdoor Lighting Applications", Street and Area Lighting Conference, Orlando, FL 2018
- Speaker: "DLC – A Users Perspective", Street and Area Lighting Conference, Austin, TX 2017
- Instructor: "Outdoor Lighting Applications", Street and Area Lighting Conference, Austin, TX 2017
- Instructor: "Outdoor Lighting Applications", Street and Area Lighting Conference, Beverly Hills, CA 2016
- Instructor: "Outdoor Lighting Applications", Street and Area Lighting Conference, Savannah, GA 2015
- Instructor: "Outdoor Lighting Applications", Street and Area Lighting Conference, Nashville, TN 2014
- Instructor: "Outdoor Lighting II", Street and Area Lighting Conference Phoenix, AZ 2013
- Speaker: "Photometry 101", Street and Area Lighting Conference, Miami, FL 2012
- Instructor: "Outdoor Lighting II", Street and Area Lighting Conference Miami, FL 2012
- Instructor: "Outdoor Lighting II", Street and Area Lighting Conference New Orleans, LA 2011
- Instructor: "Intermediate Outdoor Lighting Course", Street and Area Lighting Conference, Huntington Beach, CA 2010
- Instructor: "Intermediate Outdoor Lighting Course", Street and Area Lighting Conference, Philadelphia, PA 2009
- Instructor: "Intermediate Outdoor Lighting Course", Street and Area Lighting Conference, Denver, CO 2008
- Instructor: "Fundamentals of Lighting", Peerless Seminar, Berkeley, CA 2008
- Instructor: "Intermediate Outdoor Lighting Course", Street and Area Lighting Conference, Seattle, WA 2007
- Instructor: "Fundamentals of Lighting", Peerless Seminar, Berkeley, CA 2007
- Instructor: "Intermediate Outdoor Lighting Course", Street and Area Lighting Conference, Tampa, FL 2006
- Instructor: "Introduction to AGI32 lighting", Lightfair International, Las Vegas, NV 2006
- Instructor: "Intermediate Outdoor Lighting Course", Street and Area Lighting Conference, San Diego, CA 2005

- Instructor: "Lightfair Introduction to AGI32 lighting", Lightfair International, New York, NY 2005
- Instructor: "Intermediate Outdoor Lighting Course", Street and Area Lighting Conference, San Antonio, TX 2004
- Instructor: "Hot Topics in Lighting", Lithonia Seminar, Conyers, GA 2004
- Instructor: "Survey of Lighting: Lighting Design", Lithonia Seminar, Conyers, GA 2003
- Instructor: "Luminaires and Light Control", Outdoor Lighting Symposium, Conyers, GA 2003
- Instructor: "Intermediate Outdoor Lighting Course", Street and Area Lighting Conference, Scottsdale, AZ 2002
- Instructor: "Fundamentals of Lighting, Outdoor Lighting", Lithonia Seminar Conyers, GA 2002
- Instructor: "Advance Outdoor Lighting", Street and Area Lighting Conference, Orlando, FL 2001
- Instructor: "Lithonia Lighting Sports Lighting Design", Lithonia Seminar Conyers, GA 2001
- Instructor: "Survey of Lighting: Lighting Design", Lithonia Seminar, Conyers, GA 2001
- Instructor: "SCE&G Outdoor Lighting Basics", Lithonia Seminar, Conyers, GA 2001
- Instructor: "Lighting Basics: Lighting Design", Lithonia Seminar, Conyers, GA 2001
- Instructor: "Lighting Basics: Light and Psychology/Vision", Lithonia Seminar, Conyers, GA 2001
- Instructor: "Outdoor Lighting Basics", Street and Area Lighting Conference, Minneapolis, MN 2000
- Instructor: "Lighting Basics: Lighting Design", Lithonia Seminar, Conyers, GA 2000
- Instructor: "Lighting Basics: Light and Psychology/Vision", Lithonia Seminar, Conyers, GA 2000
- Instructor: "Survey of Lighting: Lighting Design", Lithonia Seminar, Conyers, GA 2000
- Instructor: "Outdoor Lighting techniques", Lithonia Seminar, Conyers, GA 2000
- Instructor: "Fundamentals of Lighting: Outdoor Lighting", Lithonia Seminar, Conyers, GA 2000
- Speaker: "Proposal for Automotive Retail Illuminance Guidelines", IES Annual Conference, New Orleans, LA 1999
- Organizer: CU student section of the IES to assist in the Tri-Regional Conference, Denver, CO 1997

## **Publications**

- Hartley, M. J., Petty, J "Outdoor Lighting Applications", *Street and Area Lighting Conference* 2025

- Hartley, M.J. "The importance of the details of Lighting Standards during and after the design and real world instances.", Illuminating Engineering Society – Webinar Security Symposium 2025
- Hartley, M. J, et al. (2024). *Recommended Practice: Lighting Office Spaces an American National Standard ANSI/IES RP-1-24* Illuminating Engineering Society 2024
- Hartley, M. J., Asselin, L.A. "Outdoor Lighting Applications", *Street and Area Lighting Conference* 2024
- "3D Printing Past, Present, and Future in the Lighting Industry", IES Maritime Regional Annual Conference, Fredericton, NB 2024
- Hartley, M.J. "Indoor Lighting Quality and the use of UGR in Designed Spaces", IES Albuquerque Section 2024
- Hartley, M.J. "Enlightenment of the use of UGR in Designed Spaces", IES Rocky Mountain Section Tech Talk Series – Webinar 2023
- Hartley, M. J, et al. "Blinded by the Light: Using UGR Effectively", Lightfair International 2023
- Hartley, M. J, et al. "Addressing Glare Responsibly with UGR for Wellness in Buildings", Illuminating Engineering Society Annual Conference 2023
- Hartley, M. J., Asselin, L.A. "Outdoor Lighting Applications", *Street and Area Lighting Conference* 2023
- Hartley, M. J., De Garcia, I. "EV Charging and the Lighting Industry", *Street and Area Lighting Conference* 2023
- Hartley, M. J, et al. (2022). *Recommended Practice: Lighting Office Spaces an American National Standard ANSI/IES RP-1-22* Illuminating Engineering Society 2022
- Hartley, M. J., Asselin, L.A. "Outdoor Lighting Applications", *Street and Area Lighting Conference* 2022
- Hartley, M. J., Hutto, S.M. "Effective Outdoor Lighting: Efficacy & CU." *Street and Area Lighting Conference* 2021
- Hartley, M. J, et al. Office Design in a Post-Covid World. *LD&A*, April 2021 41-44 2021
- Hartley, M. J. "Photometry 101", *Lightfair International* 2020
- Hartley, M. J, et al. (2020). *Recommended Practice: Lighting Retail Spaces an American National Standard ANSI/IES RP-2-20* Illuminating Engineering Society 2020
- Hartley, M. J, et al. (2020). *Recommended Practice: Lighting Office Spaces an American National Standard ANSI/IES RP-1-20* Illuminating Engineering Society 2020
- Hartley, M. J, et al. (2020). *Lighting Practice: Environmental Considerations for Outdoor Lighting an American National Standard ANSI/IES LP-11-20* Illuminating

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| Engineering Society  | 2020 |
| ▪ Hartley, M. J, et al. (2019). <i>Recommended Practice: Off-Roadway Sign Luminance an American National Standard ANSI/IES RP-39-19</i> Illuminating Engineering Society | 2019 |
| ▪ Hartley, M. J., Smelser, W.A. "Outdoor Lighting Applications", <i>Street and Area Lighting Conference</i>  | 2019 |
| ▪ Hartley, M. J. "Photometry 101", <i>IES Maritime Section</i>   | 2019 |
| ▪ Hartley, M. J., Garcia, J.A. "Variance in Physical Photometry", <i>Street and Area Lighting Conference</i>   | 2018 |
| ▪ Hartley, M. J., Smelser, W.A. "Outdoor Lighting Applications", <i>Street and Area Lighting Conference</i>  | 2018 |
| ▪ Hartley, M. J, et al. "DLC – A Users Perspective", <i>Street and Area Lighting Conference</i>  | 2017 |
| ▪ Hartley, M. J., Smelser, W.A. "Outdoor Lighting Applications", <i>Street and Area Lighting Conference</i>  | 2017 |
| ▪ Hartley, M. J, et al. (2017). <i>Recommended Practice for Retail Lighting RP-2-17</i> Illuminating Engineering Society   | 2017 |
| ▪ Hartley, M. J., Smelser, W.A. "Outdoor Lighting Applications", <i>Street and Area Lighting Conference</i>  | 2016 |
| ▪ Hartley, M. J., Smelser, W.A. "Outdoor Lighting Applications", <i>Street and Area Lighting Conference</i>  | 2015 |
| ▪ Hartley, M. J. (2015)"IES SEM-8-15 Roadway Lighting Seminar", Illuminating Engineering Society   | 2015 |
| ▪ Hartley, M. J., Smelser, W.A. "Outdoor Lighting Applications", <i>Street and Area Lighting Conference</i>  | 2014 |
| ▪ Hartley, M. J, et al. (2014). <i>Lighting for Exterior Environments RP-33-14</i> Illuminating Engineering Society  | 2014 |
| ▪ Hartley, M. J., Smelser, W.A. "Outdoor Lighting II", <i>Street and Area Lighting Conference</i>  | 2013 |
| ▪ Hartley, M. J., Smelser, W.A. "Outdoor Lighting II", <i>Street and Area Lighting Conference</i>  | 2012 |
| ▪ Hartley, M. J, et al. (2012). <i>American National Standard for Office Lighting RP-1-12</i> Illuminating Engineering Society   | 2012 |
| ▪ Hartley, M. J., Smelser, W.A. "Outdoor Lighting II", <i>Street and Area Lighting Conference</i>  | 2011 |
| ▪ Hartley, M. J., Smelser, W.A. "Intermediate Outdoor Lighting Course", <i>Street and Area Lighting Conference</i>   | 2010 |
| ▪ Hartley, M. J., Smelser, W.A. "Intermediate Outdoor Lighting Course", <i>Street and Area Lighting Conference</i>   | 2009 |



- Hartley, M. J., Smelser, W.A. "Intermediate Outdoor Lighting Course", *Street and Area Lighting Conference* 2008
- Hartley, M. J. "Fundamentals of Lighting", *Peerless Seminar* 2008
- Hartley, M. J., Smelser, W.A. "Intermediate Outdoor Lighting Course", *Street and Area Lighting Conference* 2007
- "Fundamentals of Lighting", *Peerless Seminar* 2007
- Hartley, M. J., Smelser, W.A. "Intermediate Outdoor Lighting Course", *Street and Area Lighting Conference* 2006
- Hartley, M. J., Smelser, W.A. "Intermediate Outdoor Lighting Course", *Street and Area Lighting Conference* 2005
- Hartley, M. J., Smelser, W.A. "Intermediate Outdoor Lighting Course", *Street and Area Lighting Conference* 2004
- Hartley, M. J. "Hot Topics in Lighting", *Lithonia Seminar* 2004
- Hartley, M. J., Leadford, K. "Luminaires and Light Control", *Outdoor Lighting Symposium* 2003
- Hartley, M. J., "Automotive Sales Lighting", *Outdoor Lighting Symposium* 2003
- Hartley, M. J. "Survey of Lighting, Lighting Design", *Lithonia Seminar* 2003
- Hartley, M. J. "Fundamentals of Lighting, Outdoor Lighting", *Lithonia Seminar* 2002
- Hartley, M. J. "Intermediate Outdoor Lighting Course", *Street and Area Lighting Conference* 2002
- Hartley, M. J. "Advanced Outdoor Lighting Course", *Street and Area Lighting Conference* 2001
- Hartley, M. J. "Lithonia Lighting Sports Lighting Design", *Lithonia Seminar* 2001
- Hartley, M. J. "Survey of Lighting: Lighting Design", *Lithonia Seminar* 2001
- Hartley, M. J. "SCE&G Outdoor Lighting Basics", *Lithonia Seminar* 2001
- Hartley, M. J. "Lighting Basics: Lighting Design", *Lithonia Seminar* 2001
- Hartley, M. J. "Lighting Basics: Light and Psychology/Vision", *Lithonia Seminar* 2001
- Hartley, M. J. "Lighting Basics: Lighting Design", *Lithonia Seminar* 2000
- Hartley, M. J. "Lighting Basics: Light and Psychology/Vision", *Lithonia Seminar* 2000
- Hartley, M. J. "Survey of Lighting: Lighting Design", *Lithonia Seminar* 2000
- Hartley, M. J., Eads, J.K. "Outdoor Lighting Basics", *Street and Area Lighting Conference* 2000
- Hartley, M. J. "Outdoor Lighting techniques" *Lithonia Seminar* 2000
- Hartley, M. J. "Fundamentals of Lighting: Outdoor Lighting" *Lithonia Seminar* 2000
- Hartley, M. J. "Proposal for Automotive Retail Illuminance Guidelines", *IES Annual Conference, New Orleans, LA* 1999
- Hartley, M. J. Hartley, M. J., et al. (1999). *Lighting for Exterior Environments RP-33-99* Illuminating Engineering Society 1999

## Projects Designed

- |  |                     |
|--|---------------------|
| ▪ Boy Scouts of America Regional Volunteer Center    | Atlanta, GA         |
| ▪ Southface Eco Office                               | Atlanta, GA         |
| ▪ Scotts Stadium, University of Virginia             | Charlottesville, VA |
| ▪ Panther Arena, University of Wisconsin – Milwaukee | Milwaukee, WI       |
| ▪ Playa Vista Visitor and Community Centers          | Los Angeles, CA     |
| ▪ Cancer Survivors Park                              | San Diego, CA       |
| ▪ Garden of Champions                                | Palm Springs, CA    |

## Project Management

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|---|-----------------------|
| ▪ Canada Line Light Rail Platform Lighting – Owner: SNC Lavalin | Vancouver, BC, Canada |
| ▪ Georgia Dome, Concourse Lighting – Owner: Atlanta Falcons     | Atlanta, GA           |

## Work Experience

*Matt Hartley Lighting, Principal*

July 2015 – Present

- Created a project database which resulted in a 30% increase in productivity, billing, and revision.
- Created a program to assist in aiming linear fixtures on curved surfaces, varying roll and tilt angles allowing for realistic design and renderings.
- Designed and built a 3D printer to assist in Rapid Prototyping of optical designs and educational tools which have been used several classes.
- Built a Spectrometer to assist in color measurements of LED sources.
- Completed over 2,000 designs ranging from simple offices to multi-million dollar building campuses.

*SL Bagby, LLC*

February 2015 – August 2016

Lighting Design Engineer

- Created a Project Database to track projects from inception to completion, which decreased job turn-around time by 15% and tracking errors by 30%
- Worked with the Design Team to create a master schedule to balance the line card while streamlining the design process.
- Assisted in creating new procedures for the Design and Technical Integration teams, which increased productivity by 25%

*Energie International Collection*

January 2009 – September 2014

Technical Product Manager

- Created a product modification program which linked Customer Service and Product Engineering together which reduced Bill of Material errors and duplicate entries by 75%
- Created a program to format IES files from European partners for the US market following a specific structure for all Energie fixtures, reducing the time to market by 75%
- Following a corporate downsizing event, successfully combined Customer Service, Product Development, and Sales Management into one role.

- Created and documented new procedures for Customer Service which increased productivity and order entry by 20%
- Developed a procedure and program to create a fixture in AGI32 using simple optical designs and converting them to usable IES files for design verification.

*Peerless Lighting*

September 2007 – October 2008

Specification Project Manager

- Managed the design for the Georgia Dome (Atlanta, GA) concourse lighting renovation that included a one-mile continuous fixture with a 1/8" variation where it connected to itself.
- Collaborated on a design for a transit fixture used in all the light rail stations in Vancouver, BC Canada for the 2010 Winter Olympics
- Created a program to manage modification which included real time updates through email which led to an increase of 25% in collaboration response time.

*Lighting Analysts*  
2007

February 2005 – September

Manager, Customer Care

- Created a targeted testing program which decreased program errors by 50% and reduced time to market by 20%
- Assisted in development strategies for AGI32 and Photometric Toolbox
- Created 30 new objects for AGI32, which included 8 realistic male and female models.
- Researched day lighting conditions to be visualized in AGI32 ray tracing option based on existing day lighting conditions.

*Lithonia Lighting*  
2005

January 1998 – February

Manager, Exterior Applications

- Managed an average of 8,500 designs per year for the group and was personally responsible for 2,500 of those projects.
- Created a program for logging projects submitted to Lithonia Lighting that reduced input and tracking errors by 35%
- Worked with the outdoor group on new fixture design from an application perspective which improved design efficiency by 30%
- Designed a program to convert over 100 sports lighting typical designs to a different fixture types to expand the offering to municipal customers on the Lithonia Lighting website.
- Assigned all projects to the group based on skill set and level of expertise.

**Professional Associations and Community Involvement**

- Street and Area Lighting Conference: Chairman, Educational Coordinator, Lead Instructor, Planning, Sub-Committee Member, Education Sub-Committee Member, Vice Chair (Past), Education Sub-Committee Chair (Past), Planning Committee Chair (Past)
- Illuminating Engineering Society Full Member, Associate Member (Past)

- Committee Member Illuminating Engineering Society: Education Review Council Member (Past), Outdoor Environmental Committee (Past), Merchandise Lighting Committee, Office Lighting Committee, Outdoor Nighttime Environment, Education Library and Office Committee
- Chairman Illuminating Engineering Society: Automotive Retail Sales Lighting Committee (Past); Education, Library and Office Lighting Committee
- Illuminating Engineering Society Mentor (Past)
- International Dark Skies Work Group Member: Model Lighting Ordinance (Past)
- Past Judge for Lightfair Innovation Awards
- Past Judge for the Brilliance Awards
- Past Judge for the Robert Bruce Thompson fixture design competition

### **Continuing Education Courses**

- Achieve Global: Frontline Leadership – Core Interpersonal Skills
- SEAK: How to Start, Build and Run a Successful Expert Witness Practice
- SEAK: How to Write a Bulletproof Expert Witness Report

### **Skills**

- Time management and reading proficiency
- Strong verbal and written communication
- Critical thinking and research
- Analytical thinking and problem solving
- Leadership and interpersonal
- Commitment to task and attention to detail
- Supervisory
- Proven decision making
- Managing stressful work environment