



## **Facility Lighting Engineer Dearborn, Michigan**

As a facility lighting engineer subject matter expert with Energy Sciences, you will join our team of degreed and licensed engineers, scientists, and efficiency professionals to meet the energy use challenges of commercial buildings and industrial processes. We're looking for experienced and talented technical team members to assist our clients, from small businesses to Fortune 500 companies, identify energy-savings opportunities, reduce waste, and save money. You will play a key entrepreneurial role on a team in an exciting, start-up environment that is dedicated to driving our vision of a sustainable and socially responsible energy future.

### **About you**

- Collaborative, enterprising individual who likes to work in an open team environment
- Excited about challenging the status quo and offering creative ideas for growth
- Self-motivated and able to work with autonomy and independence
- Able to make quick and sound decisions
- Comfortable wearing multiple hats
- Willing to take initiative
- Proactive, responsive, and attentive to client needs
- Excellent verbal and written communication skills
- Enjoy sharing expertise with a diverse team to encourage development and growth
- Believe in making a positive environmental impact

### **Your background**

- Bachelor's degree in electrical or mechanical engineering preferred
- Three+ years of experience in lighting
- Three+ years of experience in facility/construction industry
- Conducting lighting surveys to identify energy savings opportunities
- Utilizing tools such as AutoCAD, Revit, Photoshop, Bluebeam, Acrobat, InDesign, AGI32, ElumTools, 3ds Max, SketchUp, V-Ray or Enscape
- Generate, understands and analyze photometric calculations



- Advanced knowledge of LED lighting technology
- General knowledge of lighting and electrical installations including circuitry, load, and voltage. Should be familiar with the National Electrical Code, IESNA recommended lighting levels, FEMP & IPMVP guidelines, and ASHREA standards
- Excellent fixture recognition, verbal and written communication skills, has a high level of attention to detail
- Able to provide fixture and lamp manufacture recommendations & specifications as they apply to specific project including creation of BOM
- Understands IES Standards, light color, color rendering, lumen and lumen maintenance, lamp life, ballast factors, system wattage and efficacy of the various systems
- Understands and can demonstrate the impacts of utility rates, system wattage and operating hours in the design and development of proposed alternatives
- Understands the environmental, economic and quality advantages of various lighting alternatives
- Must be able to climb up ladders. Prolonged standing/walking. Experience with several types of lift equipment
- Performing energy and economic analyses for commercial buildings and industrial facilities
- Working on-site with commercial and industrial customers
- Writing reports and delivering presentations
- Managing project scope, schedule, and budget

### **Day to day**

You will join a team dedicated to helping commercial and industrial customers reduce their energy use by providing technical expertise through energy efficiency programs, training initiatives, and direct to customer services. Some of the day to day activities you would be involved with might include:

#### **Standards and Purchasing**

- Engage in technology roadmap checkpoints with lighting suppliers
- Update Ford facility lighting specification to reflect industry changes



- Align specification with newly adopted codes and regulations
- Support lighting buyer in negotiating and maintaining Ford pricing

#### **Facility Support**

- Work with workplace experience managers and facility maintenance to upgrade failed lighting and to accommodate new space use
- Work with energy managers to identify lighting energy project opportunities

#### **Project Engineering Support**

- Work with commercial and manufacturing project teams and A/E partners to specify appropriate lighting and controls for Ford Facilities
- Review drawings and lighting calculations
- Provide technical support for energy performance contract lighting projects

#### **Innovation**

- Work across engineering, technology and IT teams to examine lighting and controls technology for new “smart” buildings
- Work with planning and design teams to identify opportunities for wellness and new methods of lighting spaces

#### **General**

- Developing lighting technology solutions, facility support, project engineering support, standards development, and purchasing support

#### **Benefits**

We offer a full benefits package, including a health plan, dental and vision, life, a retirement plan, paid holidays and paid time off, and a competitive salary.

#### **More about Energy Sciences**



Strategize • implement • Save

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Energy Sciences is on a mission to create a more sustainable and socially responsible energy future. We value working as a team, questioning the status quo to find new and better ways, doing our work with integrity, as well as taking responsibility and initiative to get things done. We provide professional consulting, training, and energy management services to commercial, industrial, and municipal sectors, delivering customized solutions and sustainable strategies.

### **Additional information**

Energy Sciences is an equal opportunity employer and all qualified applicants will receive employment consideration without regard to race, color, religion, national origin, sex, disability status, protected veteran status or other characteristics protected by law.

To apply, please submit your resume to [info@esciences.us](mailto:info@esciences.us).