



## Employment Position Specifications

**Position Title:** Design Engineer

### Job Description:

Cathedrals, state capitols, hotels, universities, corporate HQs,—at Manning Lighting you'll create unique products to illuminate and enrich great spaces.

As a Design Engineer you'll create standard and custom light fixture designs based on customer and internal requests. You'll use SolidWorks to create 3D models, 2D drawings, and Bills of Material for manufacturing. Collaboration with on-site Manufacturing, Purchasing, and Sales departments is frequent to ensure quality, and design direction are accurate.

You'll also assist in the development of standard processes for the design, testing, and production of both standard and custom product.

Manning Lighting is a 75-year old company known for its innovation, quality, and friendly, fast-paced work environment. We offer a competitive salary, insurance, 401k, 11 paid company holidays, and other great benefits.

### Essential Duties and Responsibilities:

#### Custom product engineering

- Provide safe, concise, timely engineering solutions to cost effectively address customer needs.
- Document designs with 3D model, BOM, and detailed part and production drawings.
- Ensure compliance with UL/ETL standards.
- Participate in Custom and Modifications review to offer input and alternatives.
- Understand and utilize the core competencies of the production floor.
- Continually assist in the evolution of the design process.

#### New product development

- Analyze, review and explore the potential of concepts presented from outside sources as viable new standard products.
- Monitor and communicate trends in materials, components, and light sources for possible inclusion in new products.
- Ensure compliance with UL/ETL standards.
- Generate concepts based on experience and creativity for potential incorporation in Manning Lighting's new product development schedule.
- Provide input on the configuration and options included on new products as they relate to identifiable trends and platforms for modification.

#### Engineering project management

- Participate in company-wide engineering related projects as needed.

### Qualifications:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

#### Education / Experience

- Bachelor's or Associate degree from a university or technical college in mechanical, electrical or industrial engineering and five or more years of experience in a similar position.



#### Knowledge

- The development of each product requires basic mechanical and electrical engineering knowledge and adherence to company manufacturing standards. A comprehensive command of manufacturing processes and capabilities is necessary to ensure economic feasibility. Flexibility and time management are important skills in this position.

#### Language Ability

- Ability to read, analyze and interprets general business periodicals, professional journals and technical procedures. Ability to write reports, business correspondence, and assembly / mounting instructions. Ability to effectively present information and respond to questions from various internal departments, groups of managers, clients, customers and the general public in a clear and concise manner.

#### Reasoning Ability

- Ability to define problems collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables.

#### Computer Skills

- Expert knowledge of SolidWorks software. Experience with Microsoft Office.

#### Communication of ideas

- With the aid of sketches, models produced out of various materials and functioning prototypes, demonstrate examples of visual, construction and illumination solutions.

Manning Lighting is an equal opportunity employer.