

Job Description & Position: Lighting Electro-Mechanical Engineer

Location: San Francisco, CA

Employment: Full-Time

About Us:

LANTANA LED is a provider of innovative commercial LED lighting solutions known for our commitment to quality, reliability, and cutting-edge technology. We specialize in delivering energy-efficient lighting solutions tailored to meet the unique needs of businesses across various industries.

Job Summary:

We are seeking a highly skilled and experienced Lighting Electro-Mechanical Engineer to join our dynamic team. The ideal candidate will have at least 8 years of experience in the lighting industry, with a strong background in LED lighting and advanced manufacturing techniques. This role will involve designing, developing, and testing lighting products to ensure they meet the highest standards of performance and quality.

Key Responsibilities:

Design and Development:

- Design and development of innovative lighting products, with a focus on existing and new LED technology.
- Create detailed electro-mechanical designs, including schematics, layouts, and 3D models.
- Perform simulations and analyses to ensure designs meet specification requirements and industry standards.

Project Management:

- Manage and oversee multiple projects from concept through production.
- Coordinate with cross-functional teams, including Delivery, third party manufacturing, Sales, and Marketing.
- Ensure projects are completed on time and within budget.

Technical Expertise:

- Apply advanced knowledge of LED lighting technology, thermal management, optics, and driver electronics.
- Utilize advanced manufacturing techniques such as CNC machining, injection molding, and 3D printing.

- Stay current with industry trends and emerging technologies to drive innovation.

Testing and Validation:

- Develop and execute test plans to validate product performance and reliability.
- Analyze test data and implement design improvements based on findings.
- Ensure compliance with relevant safety and performance standards.

Documentation and Compliance:

- Prepare and maintain detailed documentation, including design specifications, shop drawings, test reports, and user manuals.
- Ensure all designs comply with regulatory requirements and industry standards.

Mentorship and Leadership:

- Mentor and provide guidance to junior engineers and other team members as the team grows.
- Promote a culture of continuous improvement and innovation within the engineering team.

Qualifications:

- Bachelor's or Master's degree in Electrical Engineering, Mechanical Engineering, or a related field.
- Minimum of 8 years of experience in the lighting industry, specifically with LED lighting.
- Strong understanding of electro-mechanical systems and advanced manufacturing materials and techniques.
- Strong understanding of electrical circuitry and systems as it relates to LED boards, lighting, and construction.
- Proficiency in CAD software (e.g., SolidWorks, AutoCAD) and simulation tools.
- Proficiency with Project Management software (e.g. Monday).
- Proficiency with documentation management software (e.g. PDM).
- Experience with thermal management, optics, and driver electronics for LED lighting.
- Experience with regulatory compliance and standards (e.g., UL, CE, RoHS).
- Familiarity with design for manufacturability (DFM) and design for assembly (DFA) principles.
- Proven project management skills, with the ability to manage multiple projects simultaneously.
- Excellent problem-solving skills and attention to detail.
- Strong communication and interpersonal skills.



How to Apply:

Interested candidates should submit their resume, a cover letter outlining their relevant experience and qualifications, and a portfolio of work to careers@lantanaled.com.

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Benefits:

- **Compensation:** We offer a base salary that is competitive within the industry, coupled with an attractive commission structure that rewards your hard work and success.
- **Health & Wellness:** We provide competitive health benefits, including medical, dental, and vision coverage, along with Basic Life Insurance, AD&D, and Retirement Savings Plan.
- **Voluntary Benefits:** Access a wide range of voluntary plans with varying coverage levels including Legal Services, Pet Insurance, Auto and Home, Commuter Benefits, and more.
- **Professional Development:** Growth and development are at the core of our values. We offer continuous learning opportunities and access to industry-leading resources to help you advance your career.
- **Paid Time Off and Holidays:** Our Paid Time Off (PTO) policy is designed to provide our employees with the flexibility they need to recharge, and we observe a variety of holidays throughout the year.
- **Supportive Work Environment:** Join a team where collaboration, respect, and innovation are encouraged. Our positive work environment fosters mutual support and collective achievement.

To apply, please submit your resume and a cover letter outlining your relevant experience and why you are the ideal candidate for this role. careers@lantanaled.com