

## Job Title – Senior Mechanical Engineer

Location – Garfield, NJ; NYC area

Position Type – Full Time

Reporting To: Engineering Director/VP Engineering

Founded in 2003 and headquartered in San Antonio, General LED Opco, LLC is a global manufacturer of LED lighting and controls solutions with offices and distribution centers strategically located throughout the world. Our brand portfolio includes Acolyte architectural lighting solutions, AgiLight signage lighting solutions, and GENLED commercial lighting products.

General LED Opco, LLC assembles world-class expertise and the most exciting innovations in LED lighting and controls and infuses them with access to a global infrastructure of manufacturing, distribution and supply chain channels. This results in us creating high-quality, cutting-edge solutions that are introduced into the global market with unparalleled efficiency and speed. We serve a diverse range of end markets and our customers include some of the most recognizable retail and corporate brands in the world.

General LED Opco, LLC seeks to hire a full time **Senior Mechanical Engineer** to support global Engineering and Operations organizations. This engineer will be a part of an innovative and dedicated R&D group, which is responsible for developing world-class products in high-value niche segments of the lighting industry. The position has a strong focus on design and innovation for products with short to mid-length lifecycles.

### **Responsibilities:**

- Performing the mechanical systems design and managing the product development of new and derivative products from concept to production validation
- Performing structural, thermal, and dynamic analysis of enclosures of electronic and optical lighting systems
- Applying design practices and procedures to an assigned product portfolio in areas like sheet metal design, metal and plastic extrusions, plastics injection molding, and soft tooling
- Applying design for manufacturing analyses of product assemblies
- Creating and maintaining technical drawings and BOMs for mechanical systems through all phases of design
- Developing multi-generational design plans for continuous improvement in performance and cost
- Working with a global team of engineers to qualify new suppliers and contract manufacturers
- Oversee the start-up of new products at their respective global production locations
- Generating test procedures and validation plans in accordance to required specifications and certifications
- Providing technical support to Operations for sustained efficiencies of new products, developing improvements
- Driving Lean methods in the product development and assembly processes

### **Experience & Qualifications:**

- BS in Mechanical Engineering, MS preferred
- 7+ years' experience in the design of mechanical systems, preferably housings or enclosures of electronic systems
- Design of lighting fixtures and systems
- Experience with SolidWorks, SW CFD
- Project Management experience and Design for Manufacturing and Assembly practices (DFMA)
- Proficient in LEAN and Six Sigma methodology and practices such as standard work, time studies, cause & effect, and 5 Why Analysis
- Understanding of manufacturing such as stamping, drawing, casting, extruding of metals and plastics
- Knowledge of UL and UL testing processes a plus
- Strong organizational skills
- Excellent teaming, communications and interpersonal skills
- Ability and interest in rolling up sleeves, and working collaboratively while still taking ownership of projects
- Ability to travel internationally (up to 20% at times)