

# Compliance Engineer – LED Lighting Fixtures

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## FC Lighting

Saint Charles, IL, US

### Company Description

FC Lighting is a well-established manufacturer of architectural exterior and interior commercial LED lighting based in the Western suburbs of Chicago. We manufacture architectural LED lighting for high-end aesthetic installations with an incomparable value for quality solutions. The performance of LED-based lighting depends heavily on the key elements of fixture design. FC Lighting maximizes efficiency and fixture longevity through minimizing performance-robbing thermal build-up and controlling excessive and wasteful beam spread. Our product lines include: Step Lights, Cylinders, In-grounds, Pendants, Exterior Decor, Bollards, and Directional Wall lighting for exterior and interior applications.

### Job Description

FC Lighting is looking for a motivated compliance engineer to become a part of our innovative Engineering team as we continue to develop the next generation of LED lighting products. This person will be responsible for submitting and conducting all safety listings as well as maintaining Photo, Thermal and IP company's labs.

### Responsibilities

- Prepare and execute UL / ETL lighting fixtures safety approval according to UL 1598 / 8750 and CSA C22.2 No. 250-08.
- Create and Maintain BOM, Certificates and Company's Safety Listing Reports
- Lead NAVLAB certification for Photometric Lab
- Help with installation, certification, calibration and maintenance of the laboratory equipment.
- Collect quotes and negotiate prices.
- Serve as the company's leading contact with certifying agencies and labs. Also, coordinate and manage monthly plant inspections
- Conduct DLC and Energy Star certification
- Resolve Variation Notices and non-compliance issues
- Lead the design review of multiple new products for meeting UL requirements
- Help to supervise internal Photometric Lab
- Responsible for company Thermal and IP test laboratories and equipment
- Establish product testing procedures, maintain paperwork and complete all needed tests and issue reports.
- Building prototypes and store tested samples.
- Assist with QC inspections

### Qualifications

- Bachelor's Degree in electrical engineering (BSEE) or equivalent.
- Proficiency the UL approval process and design requirements.

- Minimum of 5 years' experience in product safety certification. Lighting industry experience is a big plus.
- Understanding of LED drivers, dimming systems, Lighting controls and PCB construction.
- Understanding of the parameters related to light fixture design (Lumen output, CCT, CRI, Ra, BUG, CoB, LED, etc.).
- Excellent written and verbal communication skills.
- MS Office applications (PowerPoint, Excel, Word, Outlook).
- Ability to perform root cause failure analysis.
- Understanding of the National Electrical Code (NEC).