

## **Electrical Engineer (Embedded), Wireless Controls**

As a proud advocate for manufacturing in the U.S.A., Kenall has become a champion in developing advanced lighting solutions, systems and controls for high abuse, transportation, security detention, and sealed enclosure for healthcare, cleanroom, containment and food processing environments.

The Electrical Engineer (Embedded), Wireless Controls will be responsible for the development and design of wireless control systems to be used in Kenall lighting products. The ideal candidate will have experience using WLAN, ZIGBee, Bluetooth, low-voltage control and switching circuits.

### **Responsibilities:**

- Design wireless control systems using WLAN, ZibBee and Bluetooth; low-voltage control and switching circuits; integrate programmable microprocessors within designs
- Develop SW interface from 802.15 hardware design to lighting controls main board
- Test and verify designs both manually and by using software based simulation and analysis tools
- Specify components with sensitivity to cost, availability and lead time; including off-boards such as transformers, batteries and connectors
- Develop full documentation such as drawings, bills of materials, instruction sheets and test procedures

### **Qualifications:**

- 3+ years experience working with reference designs; WLAN, ZIGBEE or Bluetooth
- 2+ years experience with embedded programming
- Extensive experience working with C, C++ OrCAD software (Pspice/Capture/Layout)
- General knowledge preferred: CMOS, TTL, OP amps, A/D converters, microprocessors, memory devices, active and passive components, analog and digital circuitry
- Practical knowledge of electronic test equipment and data acquisition methods
- Knowledge of IR control and/or stepper motor control circuits a plus
- SolidWorks experience a plus
- Ability to quickly learn the basics of lighting including lighting terms, definitions and basic physics of lighting
- Able to become fully knowledgeable about optical aspects of LED lamp sources as it pertains to quality lighting design

Committed to advancing the state of lighting, Kenall is an established organization with a proven track record of excellence and great corporate culture. If you share our drive, professionalism and enthusiastic spirit and would like to be a part of a growing organization, we would like to hear from you. Please forward your resume to: [ntorgerson@kenall.com](mailto:ntorgerson@kenall.com) or apply on line at <http://goo.gl/5r2rBl>