

Applications Designer / Engineer

Amerillum Brands is looking to hire an applications designer / engineer to aid in the customer experience through technical knowledge and real-world design experience. The Applications team is comprised of people who have a strong technical knowledge of lighting fundamentals and can communicate them well to clients, local representatives and internal staff. Amerillum Brands is the parent company of two different luminaire brands. A-light (top tier architectural) and Alumen8 (mid tier architectural and energy/retrofit market). The Applications department works mostly with the a-light brand, but must know about all products.

Responsibilities include but are not limited to the following:

- First and foremost, to help customers realize their architectural lighting vision by applying the capabilities of our company through design and engineering.
- Answering and troubleshooting technical questions both before a job is specified, and after it has been installed. Topics include:
 - o Lamp / Ballast compatibility (both dimming, switching and emergency)
 - o Sensors (including occupancy, daylight, and combination sensors)
 - o Modifications to standard fixtures
- Lighting calculations using standard and modified product (AGI32)
- Assist customer service and sales departments with the following:
 - o Review complex orders to ensure customer gets what they intend
 - o Review of designer drawings and details to assist in a successful design
 - o Cross-overs of existing specifications
- Work with Engineering department on the following:
 - o Develop modified solutions for mounting, shielding, and luminaire configurations
 - o Submittal drawings

Qualities we will be looking for in a person:

- Comfortable communicating with clients often
- Strong work ethic
- Takes care to get to the heart of a question and determine an appropriate solution
- Creative problem solver
- Ability to learn new computer programs (Solid Works, Photopia, company database and workflow programs)

Knowledge of lighting must include the following:

- Strong understanding of Illuminance, Exitance, Luminance, Lumens and Candela
- Lamps (fluorescent, halogen, LED, metal halide, high pressure sodium)
- Ballasts (dimming, switching, stepped dimming)
- Sensors (occupancy, and photocell)
- LED drivers, and dimming capabilities
- Lighting control protocols
- Eventually, a knowledge of reflector and lens materials

Computer program knowledge must include the following:

- MS Office
- AutoCAD
- AGI32
- Solidworks
- Photopia (preferred but not essential)

Education

- Bachelors Degree in Architecture or Architectural Engineering

Physical Requirements

- Ability to sit for long periods of time.