

Job Title: Product Development Engineer (or commensurate with experience)

Location

Sunnyvale, California

Job Description

In this position, you will have the opportunity to work with a team with diverse expertise in R&D and commercialization of advanced high power LED components and system level products for applications in specialty lighting for applications such as projection and medical instruments. The successful candidate will be self-motivated, hands-on, goal driven, problem solver with the capacity to quickly grasp and resolve a wide range of technical issues through the implementation of practical solutions to complicated problems. The exact responsibility, title, and compensation package will be commensurate with experience level

Key Responsibilities

1. Next generation of high power LED products for specialty lighting applications. This requires innovative thinking on concepts, conduct and coordinate thermal/mechanical/optical simulations, experimentation to validate concept quickly. This also leads to necessary manufacturing process development and transfer. The candidate should keep manufacturability in mind.
2. Leading product development projects. Coordinating teamwork from various locations on front-end (chip) development, process development, manufacturing transfer, and commercial team efforts (e.g. supporting trade shows).
3. Able to lead an internal development team and drive for results.
4. Collaborating with chip/epi teams to create optimized chip/package structure.
5. Generating intellectual properties and work with patent attorneys to file patent applications.

Qualifications for the Position

1. Master or PhD degree in engineering, physics, materials or related fields.
2. Experience/knowledge with optoelectronic device package design and process development is required.
3. Experience with thermal and mechanical simulation of LED packages and systems.
4. Good understandings of optical engineering of LEDs and color science is a plus.
5. Good understandings of LED chip and device is a plus.
6. Highly motivated individual and good team player. "Whatever it takes" attitude. Strong sense of project ownership with strong desire to push projects toward end goals.
7. Strong communication skills.

8. Eager to learn new things on the fly. Think out of the box and bring innovative solutions.
9. Be able to travel internationally on a need basis.