



## Optical Design Engineer

ProPhotonix Limited, Little Island, Cork, Ireland

### **The Company:**

ProPhotonix is an expert designer and manufacturer of laser and LED systems for OEMs (Original Equipment Manufacturers) across a wide range of applications including machine vision, UV curing, medical equipment, and security applications.

Established in 1951, ProPhotonix is headquartered in Salem, New Hampshire, USA, and has ISO-certified production facilities in Cork, Ireland, and Essex, U.K. At our Cork facility, we design and manufacture LED lighting for a diverse range of applications. At our UK facility, we design and manufacture diode laser modules and systems for applications including inspection, sorting, patient alignment, and industrial. We are an SME looking to grow market share in our key markets.

### **The Role:**

Reporting to the Senior Optical Engineer, the Optical Engineer is responsible for both supporting existing products and creating innovative optical solutions which lead to the development and introduction of new products that support ongoing business objectives. The product development process involves the generation of detailed specifications with the customer, development of the design concept, detailed mechanical, electrical, and optical design, prototype testing and validation, and new product introduction.

The Optical Design Engineer will be a key member of the product development team and should have demonstrated design, development, and implementation proficiency in a similar design environment.

Primary job responsibilities

- Development of optical concepts and designs for products (optical models and associated simulations, drawings, specifications etc.)
- Prototyping, testing, and validation of products
- Project-management of advanced LED-based illuminator design projects, from product concepts through to manufacture
- Liaison with customers, suppliers, and production
- Providing technical support to sales, marketing, and production



### **Personal Skills:**

The person should be an innovative, practical problem-solver and a good communicator, capable of working on their own initiative in a multidisciplinary team environment. Technical interest and willingness to learn about the company's technology are essential. Knowledge or experience in machine vision/automation or optoelectronics would be an advantage.

### **Qualifications:**

Minimum Requirements/Qualifications:

1. Bachelor's degree in an Optical discipline or Physics, or equivalent work experience. Masters an advantage.
2. Minimum 2 years of experience
3. Experience with an Optical Modeling package would be an advantage.

An attractive remuneration package will be offered commensurate with experience.

ProPhotonix (Ireland) Ltd is an equal opportunities employer.

### **Applications to:**

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Location	Little Island Cork
Payment	Negotiable
Category	Engineering, Manufacturing / Engineering.
Terms	Permanent, Full-time
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