



## Electronic 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 Electronic Engineer, the Electronic 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 Electronic 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

- Perform detailed design, analysis, simulation, and prototyping as appropriate to the project
- Aptitude in schematic capture and PCB layout
- Bill of Material generation, engineering change order/notice generation
- Familiarity with standards; low voltage, safety & EMC
- Selection of components/suppliers based on specification, reliability & regulatory requirements
- Participate in internal design reviews
- Technical report writing
- Embedded firmware development and maintenance (Desirable, not essential)



- Familiarity with Photonics/LED Illumination Systems (Desirable, not essential)

**Personal Skills:**

The candidate should be well organized with the ability to work in a cross-functional team. He/she should have effective communication, interpersonal, and teamwork skills. Technical interest and willingness to learn about the company's technology are essential.

**Qualifications:**

Minimum Requirements/Qualifications:

1. Degree in Electronics/Electrical Engineering. Masters a plus.
2. Minimum of 3 years experience in analog/power electronics design role.

An attractive remuneration package will be offered commensurate with experience.

ProPhotonix (Ireland) Ltd is an equal opportunities employer.

**Applications to:**

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