



epi-light

light for life

High brightness LED
solutions and products for:

life sciences
machine vision
uv curing

epi-light

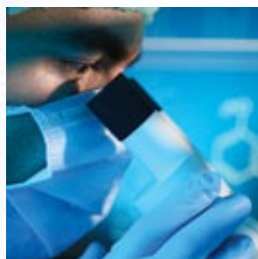
light for life

Epi-Light standard products and OEM solutions incorporate highly efficient LED modules packaged in high density arrays delivering superior levels of brightness. Our advanced optical expertise provides user defined beam profile and wavelength specific solutions.

We work with our customers in evaluating and delivering LED solutions for emerging applications, specifically as replacement technology for traditional light sources. Our products and solutions are used in applications ranging from fluorescence imaging to high speed UV curing.

To learn more about our products and solutions including our highly efficient optical fibre coupled products please contact us on **+353 21 4840686** or email us at **sales@epi-light.com**

Our Markets



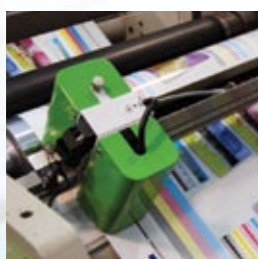
Life Sciences

The key element of any fluorescent imaging system is the delivery of incident light at a precise controlled wavelength. Epi-Light's range of products including the Exci Light deliver high brightness and a very narrow spectral output in a uniform beam. The combination of these features make our products ideal for applications requiring speed and extreme system sensitivity.



Machine Vision

Over the years Epi-Light has developed considerable experience in developing customised solutions to address complex machine vision problems such as: appearance variables, geometry, surface and specular issues and positional variables. Our solutions are used for operations including counting, defect detection, edge following and pattern recognition in industries such as Food and Beverage, Pharmaceutical, Intelligent Transportation Systems among others.



UV Curing

Epi-Light's UV emitters are used in the printing, surface coating, adhesive and medical device industries. Our UV emitters have many advantages over traditional UV lamps. They are highly efficient as the spectral range of our emitters is typically 30 nm and their emission is highly controllable and can be focussed on the target area. They are also very suitable for high speed UV curing at multiple wavelengths.



Our Products



Exci Light

Epi-Light's Exci Light combines patented ultra high power LED technology with innovative optics to produce an extremely compact and sensitive biofluorescence illuminator. Unlike other LED technologies, Exci Light exhibits high brightness and a very narrow spectral output in a large uniform beam. The combination of these features make Exci Light ideal for fluorescence imaging applications requiring speed and extreme sensitivity.

Spot Light

Epi-Light's Spot Light is one of the brightest and most compact LED illuminators on the market today. Spot Light is ideal for applications that require precise control of emitted light and where excessive heat generation should be avoided. Key applications include curing of epoxies, adhesives and inks, bioimaging for gene, protein and cell analysis, and machine vision applications. Our standard illuminator is contained in a very compact housing (28 mm diameter) and a fibre coupled option is also available.



Co-Axial Light

Epi-Light's Co-Axial Light has been developed for demanding product imaging, inspection and fluorescence imaging applications. The Co-Axial Light consists of a uniform LED based emitter which is situated perpendicular to a camera or other imaging device or detector. This light delivers unmatched levels of brightness and illumination uniformity in a very compact form and is available in white, red, blue, green, UV and IR.

Other Epi-Light products include:

Area Light

Back Light

Fibre Light

Linear Line Light

Projector Light

Ring Light



Our OEM Solutions

In designing LED based illumination solutions for imaging and curing applications, we keep our global OEM clients specific requirements at the forefront of the design process. We incorporate various levels of LED illumination design from the Optics to Thermal Management to the bare LED chip itself in order to construct and deliver the most suitable, cost-effective solution for your application.

Our methods leverage our flexible design approach while drawing on the expertise of our standard product range to deliver a superior LED product, while ensuring a swift delivery of your product-to-market.

We achieve this by concentrating on our strengths: our close partnerships with leading LED chip manufacturers, intelligent use of leading-edge optics while employing the strengths of our contract manufacturing partners to produce exceptionally high quality products with high brightness and uniformity in mind.

For further information, please visit our website, www.epi-light.com



Epi-Light Limited, 14 Union Quay, Cork City, Ireland
T: +353 21 4840686 E: sales@epi-light.com

www.epi-light.com