



Wet Area Lighting for Swimming Pools and Spas



www.fibreopticlighting.com

Gallery

Clockwise from top left:
1. Sauna lighting
2,3&4. Hoar Cross Hall, Staffordshire
5. Private Pool, UK



Clockwise from top left:
1. Private Pool, UK
2.&3 Hoar Cross Hall, Staffordshire
4. Dene House Farm, Northumberland
5. Gleneagles Spa, Scotland



Be Inspired...



Universal Fibre Optics are the UK's only manufacturer of raw fibre for fibre optic lighting, and a major world manufacturer of complete systems and components, with over 20 years experience in providing fibre optic lighting solutions for all types of applications.

We have a wide range of specialist fibre optic solutions for lighting in swimming pools and spas, as well as other wet areas, and as we are a complete manufacturer we can provide bespoke fabrications finished to custom specifications.

Illuminating your pool with fibre optic lighting brings a number of advantages over conventional lighting methods, the first one being safety. Using fibre optics removes the dangers of mixing water with electricity, and the end fittings have no electricity running through them, so are completely cold, making them safe to touch. Secondly, maintenance costs are reduced, as one lamp can light many points of light. Finally, limitless effects, such as colour changing and twinkling are easy and cost-effective to achieve.

The next few pages show some examples of how our lighting has been used in swimming pools and spas.

Private Residence

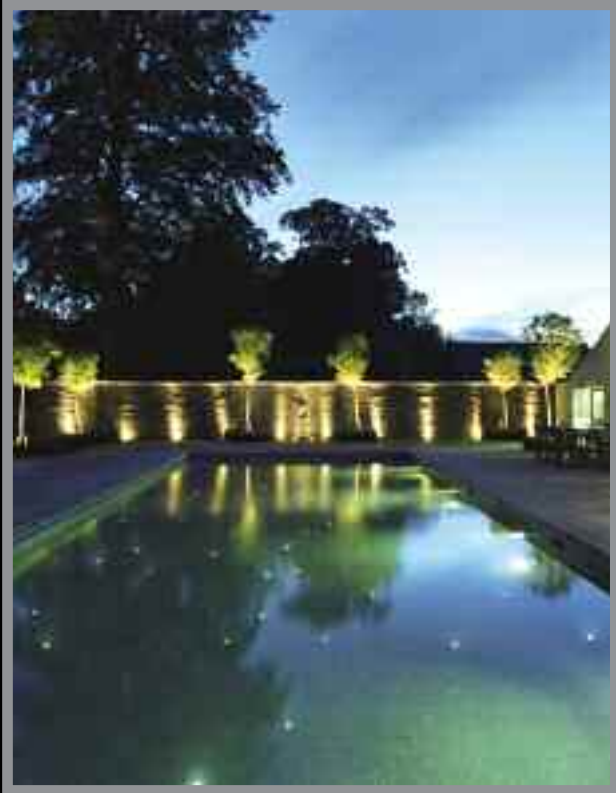


Universal Fibre Optics supplied stunning fibre optics for this private residence. The photographs to the left show some of the interesting effects that can be achieved with fibre optic lighting.

There is a starry effect on the bottom of the pool, while adjustable fittings give a wash of light around and within the spa bath. Colourwheels allow color changing effects in this area too, as well as on the steps. The pool floor has a twinkling effect.



Private Pool, Dublin



Fibre optics are ideal for wet or humid areas, as demonstrated by this pool. While this single domestic project is on a 'grand scale' the effects are just as suitable for use in a smaller scale property or used individually.

In this example, the lighting designers specifically asked Universal Fibre Optics to provide a fibre optic lighting system to give a star field effect to a swimming pool floor.

Since there is no electricity at the delivery points for the light, this is a simple and safe way to provide a stunning lighting effect. In addition, the water does not need to be drained in order to change the lamp, thus reducing inconvenience and maintenance costs.

Private Residence, London

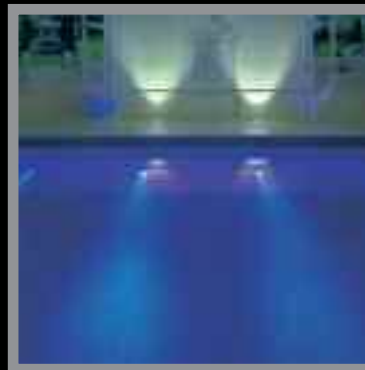


Universal Fibre Optics was recently commissioned by **Iconic Developments** to manufacture and supply fibre optic lighting systems for various spaces in a magnificent new build home in North London.

The majority of the fibre optic lighting was concentrated in the swimming pool and entertainment area due to its safety aspects and low maintenance requirements. With no heat or electricity in the fibre optic cables and end fittings, fibre optic lighting is a preferred choice for underwater lighting, and ceiling lighting in wet and humid environments.

Furthermore, access is only required to the one illuminator which feeds the multiple points of light, so in this instance the two lamps that feed all of the underwater lights are located in the pump room away from the pool and easily accessible for lamp changes.

Private Residence, Suffolk



Fibre Optic Lighting enhances the grand setting of the pool at this private residence. Where fibre optics are used there is normally a cost saving from reduced maintenance and the ability to remotely change the lamp without draining the pool or water feature.

There are several examples of fibre optic lighting in this project. Fittings in the steps of the pool were installed to give an unusual 'shot of light' effect. Uplighting was also installed around the walkway to shine white light onto the walls.

Colour changing effects were achieved by installing a colourwheel at the source of the light.

Pennyhill Park Hotel, Surrey



Pennyhill Park Hotel and Spa in Surrey, UK, used fibre optic lighting in both the outdoor and indoor pools to create a soft glow of light in the water.

The submersible fittings used around the outdoor pool and on the steps create an alluring glow, as well as functional lighting for residents using the pool in the evenings

The indoor pool at this spa hotel utilises underwater fibre optic lighting to good effect both in the pool walls to illuminate and colour the water, and to light the pool steps. With no heat from the fibre optic fittings, there is no burn risk.



Equipment



End Fittings

The end fitting is where the light is output after travelling along the harness. As with our harnesses, there is no electricity or heat in the end fittings, making them safe to touch or walk on. They can also be installed in wet or humid areas without the normal dangers of mixing water and light.

More information on the products pictured is available on our website: www.fibreopticlighting.com



Harnesses

The harness is the 'fibre' part of a fibre optic lighting system. It is made up of many strands of optical fibre which are usually wrapped in a flexible black sheathing for protection, and it is used to transport the light from the light source to the end fitting.

No electricity runs through the harness, so it is safe to route it through wet or humid areas. It is also safe to touch.



Light Sources

The light source is where we turn electricity into light which is then fed into the fibre optic harness. It also contains any effects wheels, such as a colour or twinkle wheel.

The light source is the only part of a fibre optic system which contains electricity, and therefore must be housed in a dry environment.

Installation Options



Universal Fibre Optics can offer a complete pool lighting installation service.

Our teams of fully trained engineers have many years experience in all aspects of fibre optic lighting installation.

We can also work with lighting designers and specifiers to plan your pool lighting from the very first stage. Please call to discuss your requirements with a member of our sales team

Alternatively, if the project is small, we sell fibre optic lighting kits for unlimited applications through our sister company Unlimited Light. These kits allow you to install the lighting yourself, and come with full installation instructions for the end fittings, as well as a manual describing the light source operation.



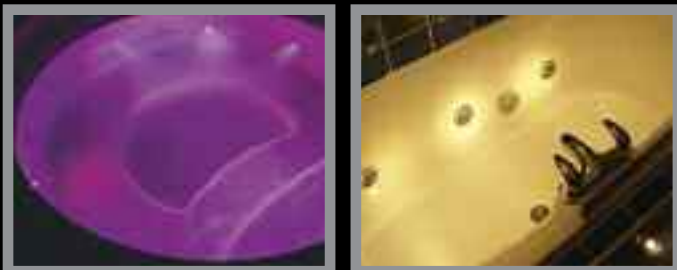
With their easy colourchange properties the kits promote relaxation as bathroom lighting or bedroom lighting. The absence of electricity in the cable and end fittings ensures safety in wet or humid environments, especially in our Spa Kits. This underwater fibre optic lighting kit is a truly unique product that will continue to give the 'wow' factor to your bathroom or spa for many years

It allows you to maximise your relaxation at bath time by introducing mood influencing colours to the water. Before retiring to bed relax in sleep enhancing purple, or on rising in the morning revitalise yourself in orange.

Alternatively you can enjoy a continuous slow cycle through your favourite colours.

The small stainless steel end fittings have no electrical wiring to them, removing the usual danger of mixing water and light.

For more details see <http://www.unlimitedlight.com/>





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