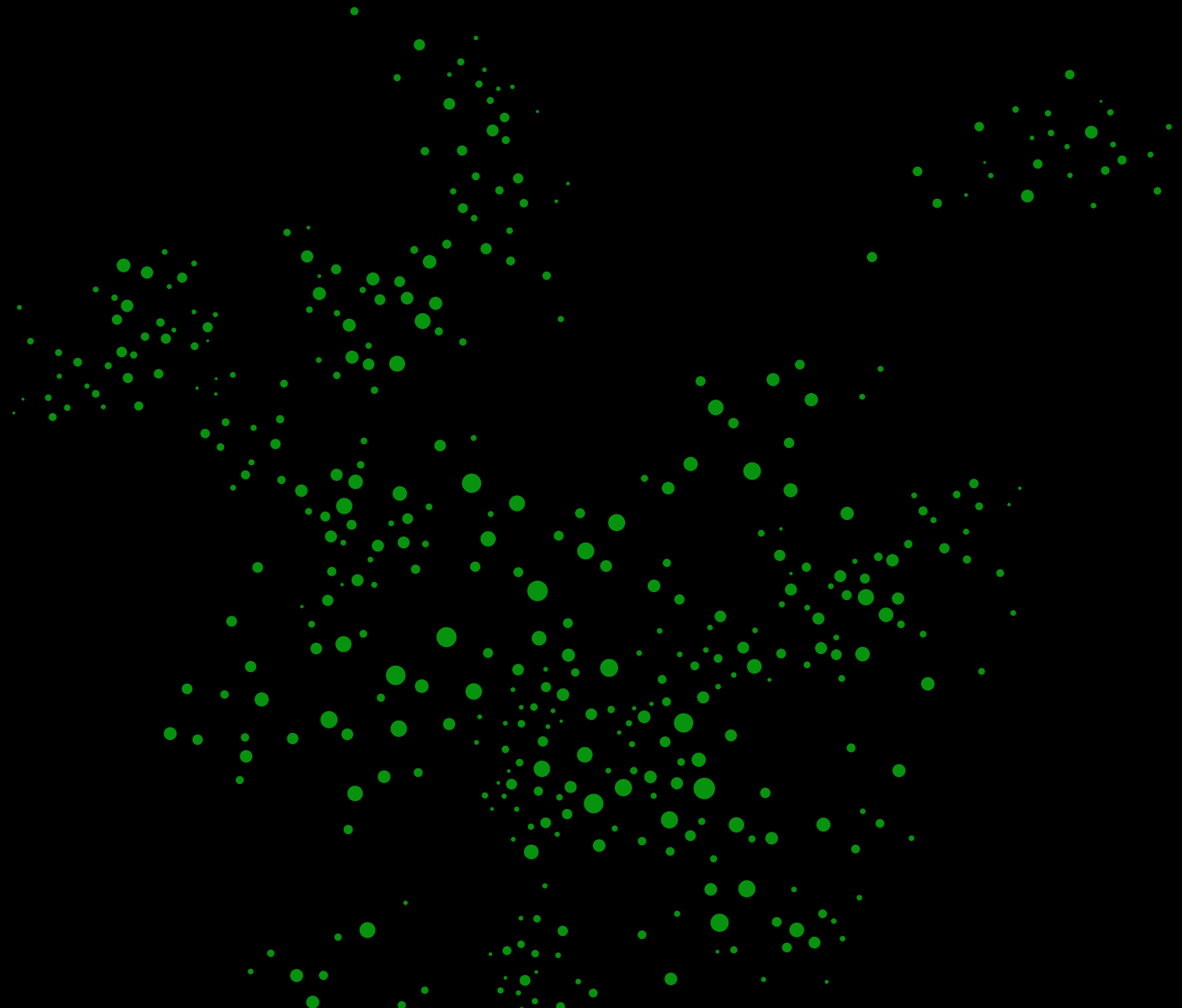
LANDSCAPE FIBRE OPTIC LIGHTING

LIGHTEFX



APPLICATIONS

Perimeter & Strip Lighting

Perimeter and strip fibre optic lighting creates a safe and welcoming solution to any entrance.

The subtle ambient glow of fibre optics provide a warm and inviting light, while the flexibility of fibre cables allow it to weave around curves, paths and contours.

For intense, directional light, LED strips are a great way to highlight exterior spaces including garden features and retaining walls.

Star Lighting

Fibre cable is a fantastic way to create many light-points within a space, including twinkling and colour changing effects. Whether it's on pathways, retaining walls or concrete driveways, the results are instant "WOW" factor.

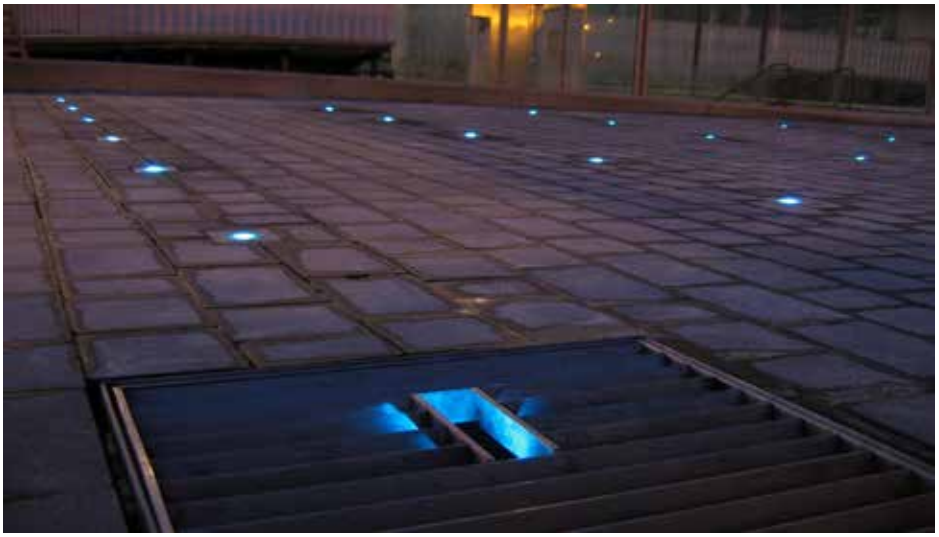
However, be prepared to answer many times, "How did you do that?!"

Paving Lighting

A safe and easy way of adding up-lighting without the need for electricity connections to each light. The fibre optic fittings are installed like any standard paving light only without globes, lamps or LED's.

Each fitting includes a fibre cable that produces the light output providing a low-level maintenance lighting system.

Fittings come in either round or square face and range from as small 25mm in diameter to 115mm.



Retaining walls

Accentuate bare retaining walls and create hi-lights, by adding the star light feature to garden blocks, concrete sleepers, and landscaping walls.

Fibre cables installed in-between retaining wall blocks create star point features while larger sized fibre cables create ambient light that can shine into garden beds.

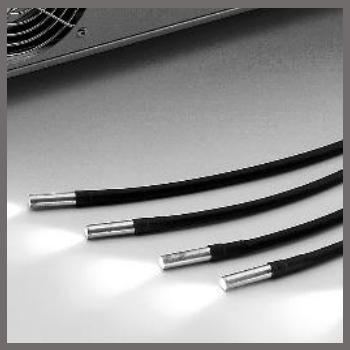
Side-lit fibre cables and LED strip lighting can be used as a versatile addition to create in cove or up lighting wall features.

PRODUCT DETAILS

Illuminators

Illuminators are the power-house behind the fibre optic lights. It is the control system that creates the colour change, the twinkle effect, and also the light intensity.

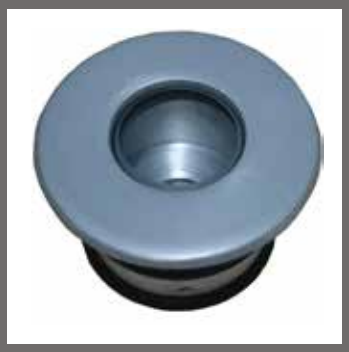
Available in low voltage 12v and outdorr ready IP43 units in 240v. Programmable colours and customisable sequences with wireless remote operation or fitted to integrate with home automation.



Fibre Optic Cables

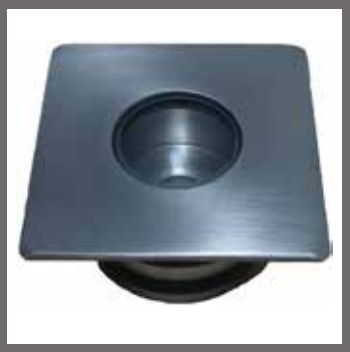
Fibre cables transmit the light from the illuminator and deliver it to the desired location. Fibre cables have no heat or electricity and are safe to install indoors, outdoors and in wet areas. The choice of illuminator determines the light output from the fibre cables.

Perimeter side emitting cables are protected with a clear PVC jacket and end emitting fibre cables are sheathed with a black PVC jacket.



Paving fittings

Available in IP67 and IP68 stainless steel and for the coastal regions, marine grade ASI316 stainless steel is used for additional protection from moisture corrosion.



Small diameter faces for a small footprint or larger diameter for brighter level lighting.

USED IN LANDSCAPE DESIGN, EXTERIOR ART DISPLAYS & OUTDOOR VENUES, FIBRE OPTIC LIGHTING ENHANCES THE SPACE IN A VISUAL AND AESTHETIC SENSE WHILE AIMING TO CONNECT AN AUDIENCE WITH ITS ENVIRONMENT.

FAQs

What is fiber optic?

Fibre optic are long lenses. A cylinder or rod of transparent material forming a core and surrounded by a sheath with a slightly different material. Light, when entering the fibre, rebounds on the sheathing towards the core. This way the light advances through the fibre in bounds or steps, until it exits at the other end.

Are fibres safe?

Fibre optics are passive elements, therefore do not use power to generate light, as is the case with lamps. As light conductors only carry light from one point to another, never electricity. Fibre optics can be put under, or in direct contact with water, when handled fibres can be cut, broken or even hammered and be totally safe as the fibres are transmitting only light.

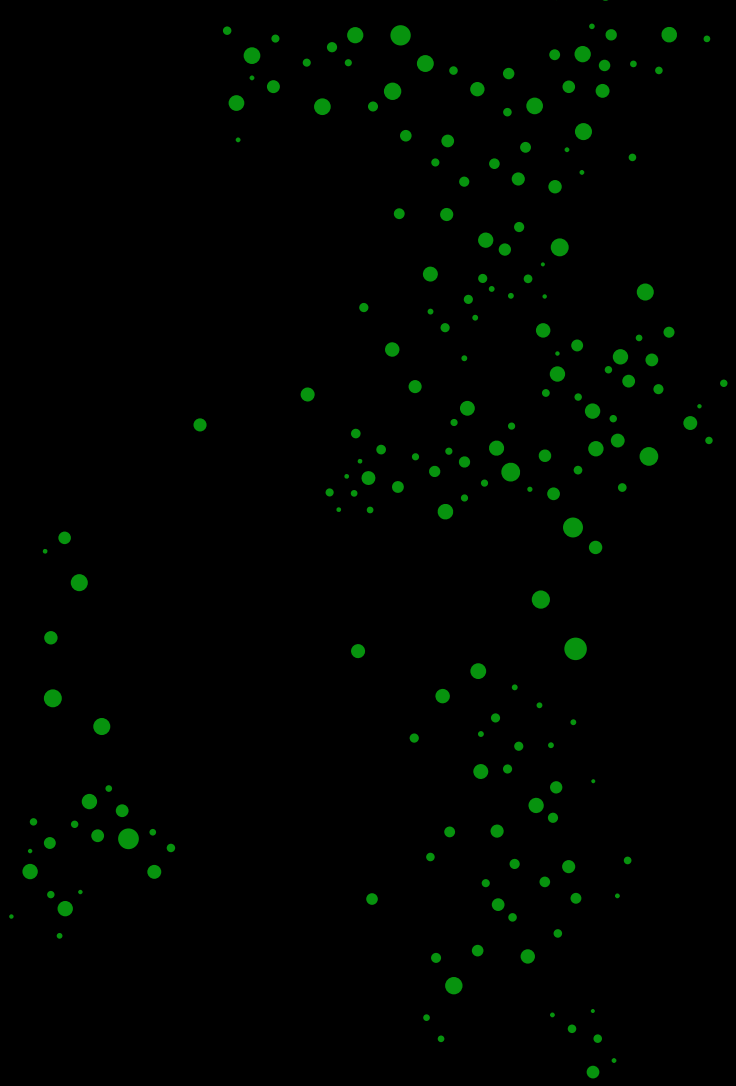
Standard lighting fibre optics have a very restricted transmission window with most UVs not transmitted through the fibre cores. In fact the amount of infrared and UV issuing from a fibre optic is, in most instances, negligible.

What is an illuminator?

An illuminator, light source or light generator is basically a box with a lamp inside, pointing towards an opening where the fibre optics are secured. The illuminator is what makes the fibre cable change colours and dim as well as other functions.

How long will fibre optics last?

20 years approximately.



LIGHTEFX

FIBRFIBRE OPTIC CABLE PTY LTD

35 Research Drive, Croydon South, Vic. 3136 T 1300 762 299 info@lightefx.com.au www.lightefx.com.au