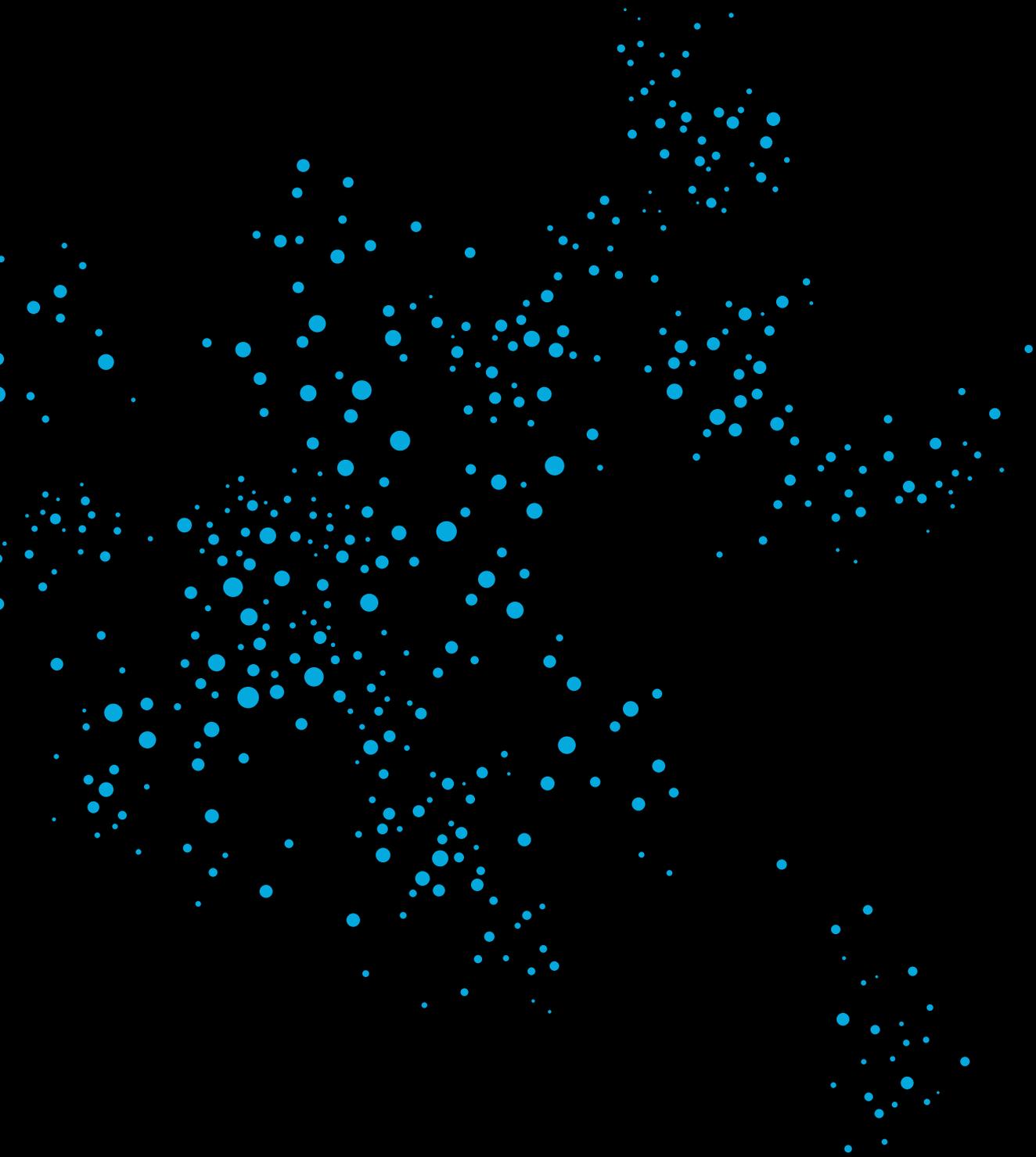


POOL PERIMETER LIGHTING



LIGHTEFX



POOL PERIMETER



No Electricity

Illuminated water at night creates an inviting, mystical feel which has been shown to transcend positive endorphins.

The fibre optic side light cable is safe to submerge into water with no heat or electricity in the cable and UV protected by the clear outer jacket protection.



FEATURE YOUR SWIMMING POOL IN A SINGLE COLOUR OR CYCLE THROUGH THE COLOURS

Fibre Optic Lighting

The fibre cable highlights your swimming pool or spa in a dazzling array of colours creating an inviting ambience that just calls for swimmers to jump in.

Perimeter lighting, mounted onto a clear track follows the outer edge of your pool.

The side-emitting cables are chlorine-resistant and salt-water resistant ensuring minimal degeneration.





Illuminators

Fibre optic illuminators are the power-house behind the fibre optic lights. It is the control system that creates the colour change and light intensity.

Fibre optic illuminators, are IP43 rated for installation in outdoor and indoor environments. LightEFX illuminators can be integrated into home automation as an added option via a DMX gateway.

FIBRE OPTIC LIGHTING IS SO VERSATILE, THAT ITS USES IS LIMITED ONLY BY OUR CREATIVE IMAGINATION



Mounting



Fibre cable and track mounted underneath the coping

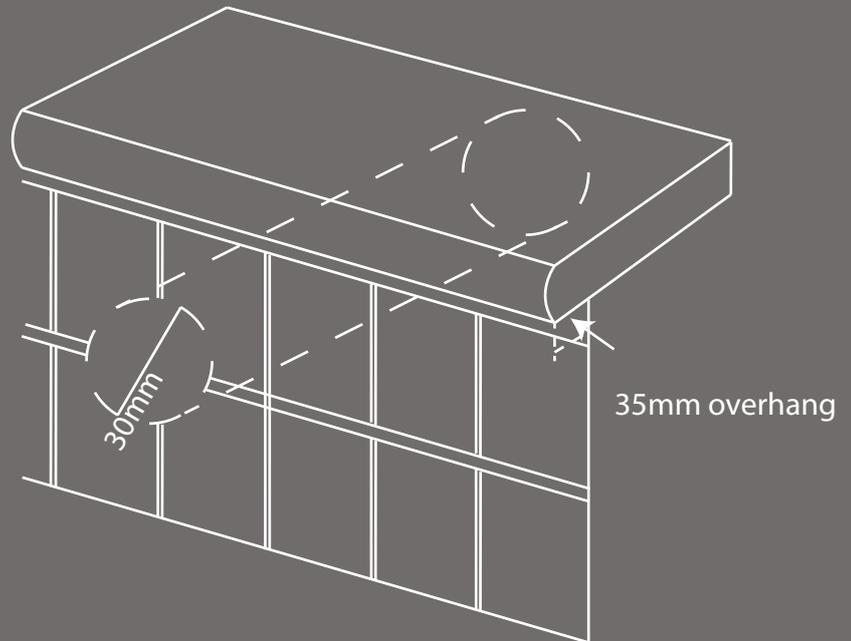
A clear tracking is fixed and secured underneath the coping of the pool. The fibre cable is then inserted into the tracking.

Both ends of the fibre cable are looped back into the illuminator creating a stronger light intensity and optimum performance.

INSTALLATION

Guidelines for self installation:

1. An entry and return point for the fibre cable from the pool to the illuminator.
A hole drilled of around 30mm diameter for the fibre cable to be fed through and looped around the perimeter of pool going back into the illuminator.
2. Illuminator is stored a minimum of 1.5m away from wet area.
3. A clear track is mounted underneath the pool coping with plastic wall plugs and stainless steel screws.
4. Fibre cable is then inserted into track, and looped so that there are two ends inserted into illuminator.



Illuminator IP43
LED Light supply to
the fibre cable



DMX gateway
Integration into
home automation
module



Fibre cable
Side emitting fibre
cable



Tracking
Clear plastic tracking



LightEFX can customise fibre lighting to suit your vision, whether it be for the pool or home interiors, it can be installed in: flooring, ceiling, walls, paths... You name it, LightEFX can deliver it! Contact us today for your next project 1300 762 299

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.

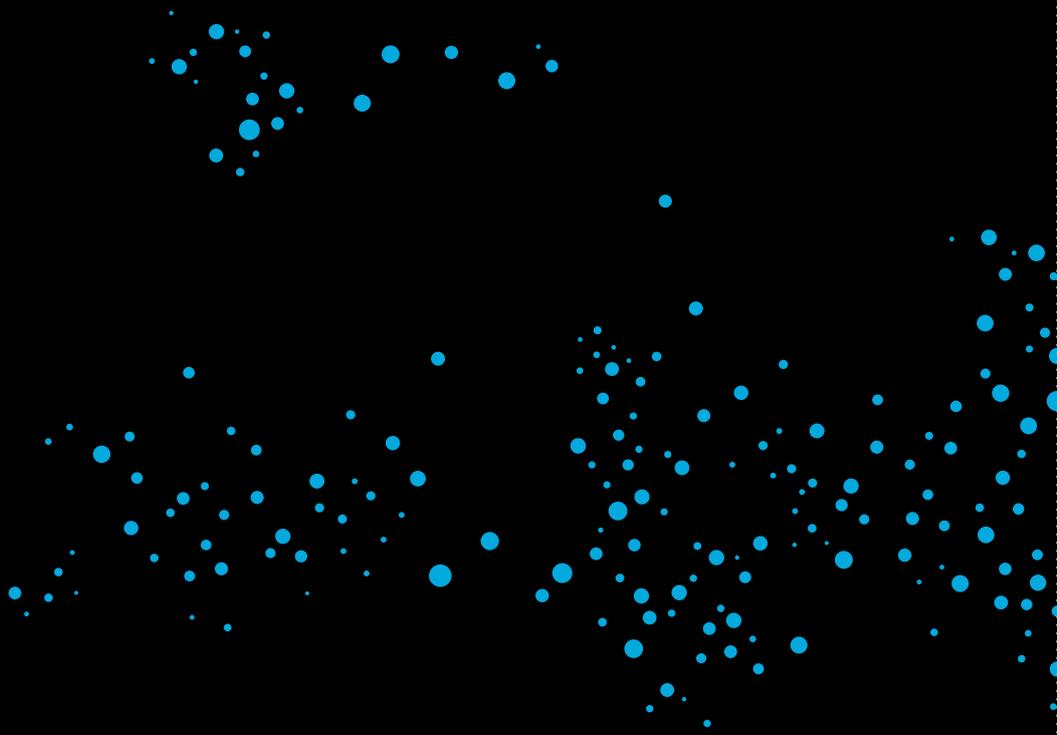
Standard lighting fibre optics have a very restricted transmission window with most UVs not transmitted through the fibre cores. In fact the amount of infrared and UV issuing from a fibre optic is, in most instances, negligible.

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.



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