



FIBRE OPTIC

LIGHTING SYSTEMS

— Our Vision —

To globally pioneer and lead in LED lighting solutions by creating products synonymous with innovation, durability and exceptional design to exceed every client's expectation.

— Mission Statement —

We are dedicated to supplying our customers with the latest high quality energy efficient LED products that exhibit aesthetically pleasing craftsmanship.



Welcome to, **GLP®**

Fibre Optic Lighting Solution

Advanced lighting technology designed for style and durability.

Safe, elegant and customizable fibre optic lighting solutions for swimming pools, star ceilings, spas, villas, landscapes, hospitality spaces and decorative architectural features.

Fibre optic lighting uses an optical fibre as a “light pipe” which transmits light from a source through the fibre to a remote location. The fibres consist of a core that transmits the light and an optical cladding that traps the light in the core of the fibre.

With GLP®, you can be rest assured that a high-quality product is at the core of our lighting systems. We have a fully trained team who can visit your site to discuss your project and demonstrate our fibre optic lighting range to you firsthand.



How does **Fibre Optic** Lighting work?

The light in a fiber-optic cable travels through the core by constantly bouncing from the cladding, because the cladding does not absorb any light from the core, the lightwave can travel great distances. The Fibre optic lighting system is usually comprised of three parts; light source, harness and end fittings.



Value for Money & Low Maintenance

A single light source using one light engine supplies several light points.



Low UV & Heat Emissions

When other lighting options don't work out, fibre optic lighting is perfectly suited for conservation. It has low UV and no heat emission from the end of the fibers.



Safety

The fibre optic harness does not have electricity, it can be easily used in wet/humid conditions and in public locations too.



Unlimited Effects

Fibre optic lighting can bring animated colour and sparkle to a project. It can go from sparkle mode to colour change mode with DXM, AVR and scene setting.

The Fibre Optic Engine Collection

A curated range of fibre optic light sources designed for reliable performance, vibrant illumination, and seamless integration across architectural and landscape lighting projects



NEW MODEL 220989-FOX050					
Model	LED Power	Voltage	Life of Lamp	Color Temperature	Machine Size (mm)
220989 FOX050	2x25W	12V DC	50,000h	RGB+6000K	L150×W150×H90
Aperture size (mm)	Fixture Finished	Material	DMX Function	IP Rating	Color Wheel
2XΦ30	Black	LED	5 DMX channel Preset programs	IP20	Twinkle white



NEW MODEL 220765-FO0020					
Model	LED Power	Voltage	Life of Lamp	Color Temperature	Machine Size (mm)
220765 FO0020	2X10W	12V DC	50,000h	RGB+6000K	L91×W87×H64
Aperture size (mm)	Fixture Finished	Material	Bluetooth App	IP Rating	Color Wheel
2XΦ20	Black	LED	My SmartLED	IP20	Twinkle white



MODEL 220596-FO0064					
Model	LED Power	Voltage	Life of Lamp	Color Temperature	Machine Size (mm)
220596-FO0064	64W	220V AC	50,000h	RGB	L150×W150×H80
Aperture size (mm)	Fixture Finished		Remarks	Color Wheel	
2XΦ20	Aluminium		RGB+twinkle white wheel preset programs	RGB + twinkle wheel	



MODEL 220587-FO0027						
Model	LED Power	Voltage	Life of Lamp	Aperture size (mm)	Color Temperature	Machine Size (mm)
220587 FO0027	27W	220V AC	50,000h	Φ30	RGB	L150×W150×H80
Fixture Finished			Remarks		Color Wheel	
Aluminium			RGB+ twinkle white wheel preset programs		RGB + twinkle wheel	



MODEL 220502-FO0040						
Model	LED Power	Voltage	Life of Lamp	Color Temperature	Material	Fixture Finished
220502-FO0040	40W	220V AC	50,000h	RGB	LED	Black
IP Rating	Aperture size (mm)	Machine Size (mm)	DMX function			
IP20	Ø30	L270×W264×H135	5 DMX channel, 14 preset programs			



MODEL 220500-FO0080					
Model	LED Power	Voltage	Life of Lamp	Color Temperature	Material
220500-FO0080	80W	220V AC	50,000h	6000K	LED
Fixture Finished	IP Rating	Aperture size (mm)	Machine Size (mm)	DMX function	Color Wheel
Black	IP20	Ø30	L270×W264×H135	5 DMX channel, 14 preset programs	Twinkle white / 6 color / twinkle 6 color

Complete Fibre Optic System

A complete range of fibre optic system components designed to work together for reliable, flexible, and seamless architectural and landscape lighting solutions.



1 Fibre Optic Cable

A **PMMA end glow fibre cable** with a black protective jacket, designed to transmit light from the light source to the end of the fibre.

Available in: 1.0mm and 1.5mm PMMA End Glow

2 Stainless Steel Fibre Optic Engine Enclosure

Protective stainless steel enclosure for fibre optic engines.

3 Fibre Optic Cable Retaining Insert*

Secures and holds the fibre firmly in position inside the end fitting.

④ Fibre Optic End Fittings*

End fittings provide a clean and practical way to install fibre optic cables into various surfaces, while selected fittings can also help direct the emitted light. Available in a range of styles to suit different applications.

Available upon request. Accessories are sold separately and are not included with the Fibre Optic Engine.



Precision Fibre Optic Installation

The installation process focuses on the precise routing and placement of GLP fibre optic strands, forming the foundation of the final lighting effect. Each fibre is carefully positioned according to the approved lighting layout to ensure balanced illumination, visual consistency, and long-term performance.

Accurate spacing, clean cable management, and secure fixing are critical at this stage, allowing the system to integrate seamlessly into the structure before finishing works begin. This ensures the fibre optic lighting delivers refined, reliable illumination with minimal visual impact once activated.





We Design, Supply & Install

At Global Light and Power LLC, we provide complete turn key solutions for projects of all sizes.

From design to analysis in the form of drawings, renderings and lux level reports, our experienced team of designers and engineers provide a thorough perspective to clients on what to expect when choosing and installing GLP's range of Fibre Optic Lighting solutions. GLP can design and install Fibre Optic Lighting in swimming pools, ceilings, floors, decking, and even in carpets!

Following design approvals and order confirmation, we begin manufacturing the selected items for the project or in most cases we have the Fibre Optic System readily available in our Dubai Warehouse stock.

Our team of specialized installers are always available to provide support and technical expertise. They ensure that products are installed accurately and efficiently for effortless long term use.



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