



*Powered by lasers.
Fueled by your imagination.*



PRODUCT
CATALOG

LDI 2024
BEST NEW PRODUCT
AWARD WINNER
SPECIAL EFFECTS

CONTENTS



A manufacturer of laser-powered fiber optic lighting.
Award winning technology. Eco-friendly & sustainable innovation.

INTERACTIVE: Click on title to go to page.

[\[CLICK HERE TO ORDER\]](#)

APPLICATIONS **3**

Architectural, Pool and Spa, Landscape, Live Event, TV/Film

CONCEPT GALLERY **8**

Stunning visuals illustrating how Jagoteq's laser-powered fiber optic technology can be used.

LASER-POWERED FIBER OPTICS VS TRADITIONAL (HOW IT WORKS) **9**

Learn the fundamental benefits and differences between Jagoteq's laser modules and traditional LED diodes.

JAGOTEQ ECOSYSTEM **10**

Discover the core components of Jagoteq Ecosystem to deliver its high-performance, ultra-bright illumination.

LASER ENGINES **11**

A quick glance of each laser module's technical specifications with web links to access document downloads.

FIBER OPTIC CABLES **12**

A closeup of Jagoteq's SE (Side Emitting) Fiber Optic Cable in several sizes: 1mm, 3mm, 6mm, 8mm, 12mm and 75mm (mesh).

ACCESSORIES **13**

HOW TO ORDER **14**

APPLICATION

[\[Back to Contents\]](#)

Architecture

Jagoteq solves the limitations of traditional LED lighting by using laser-powered fiber optics to deliver high-intensity, 360-degree illumination with superior color saturation. Similar upfront costs while saving money on labor and installation fees. Big savings in utility costs and maintenance - *no LED replacements!*

For the ProMedica building in Ohio, thousands of fragile LED diodes were replaced with just three LF40IP LASER SYSTEMS by Jagoteq. 302ft (92m) of multi-strand fiber now illuminate the building.



Less maintenance and warranty issues.
No dead spots. No soldering. No comparison.

APPLICATION

[\[Back to Contents\]](#)

Pool and Spa

Jagoteq's solution is a smart, cost-effective alternative to traditional so called LED neon or flex used in wet environments. Easier to install with no soldering and the ability to cut to any length.

Without electrical current or wires, the fiber's durability means less maintenance. So, you save money as you enjoy a beautifully lit pool.



Built for long-term durability!

Significantly reduced back-end maintenance costs compared to LED tape.

Compatibility: Poolside Tech-Attendant and Local

APPLICATION

[\[Back to Contents\]](#)

Landscape

Dramatically define garden beds, wrap around architectural elements, or trace the natural contours of retaining walls and walkways. Jagoteq's durable and weatherproof fiber optic cables seamlessly embed into the terrain; effortlessly enduring foot traffic, weather elements, and regular garden maintenance while maintaining its flawless glow.



Elevate ordinary landscapes into captivating, weatherproof nightscapes.
Radiant Botanical Drama. Durable and Eco-Friendly Illumination.

APPLICATION

[\[Back to Contents\]](#)

Live Event

Bring laser-level color saturation to the front of the stage. Use the fiber to define stage edges, wrap around trusses, or create interactive light installations that can be stepped on, bent, and battered during a high-energy show without breaking (*depending on your fiber choice*).



Immersive installations and high-intensity stage accents.
Vibrant Visual Impact. Limitless Versatility. Sustainable Brilliance.

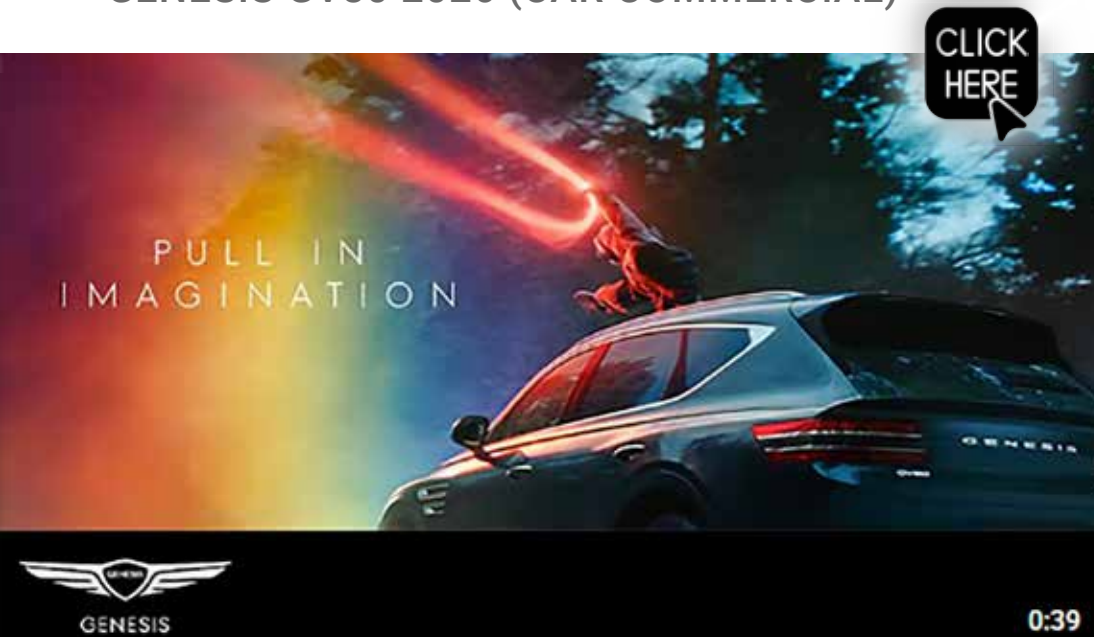
APPLICATION

[\[Back to Contents\]](#)

TV / Film

PROJECT:

GENESIS GV80 2026 (CAR COMMERCIAL)



CLICK
HERE



Art Director, Dylan Kahn, chose Jagoteq's heatless, laser-based fiber optic lighting technology for the **Genesis' GV80 2026** car commercial.

The creative team needed to showcase the car's unique "Mood Curator" feature which personalizes the car's interior atmosphere.

Jagoteq's 1200-strand fiber was chosen to visually communicate a child's vivid imagination of pulling the threads of a rainbow into her vehicle - symbolizing the power of light at your fingertips.

Zero heat in the fibers made this effect possible.

Equipment Used:

- Laser Engine: LF120 (8)
- Fiber Optic Cable: Bundled 1200 strand fiber

CONCEPT

[\[Back to Contents\]](#)

Gallery

Explore these stunning visuals illustrating how Jagoteq's laser-powered fiber optic technology can be used. Integrate Jagoteq into your next project and create everything from dynamic bar accents, immersive neon environments, intricate artistic installations and radiant pathways.



LASER-POWERED FIBER OPTICS -VS- TRADITIONAL TECHNOLOGY

How it works...

JAGOTEQ'S ADVANTAGE:

The laser engine utilizes the extreme efficiency of focused directional light. Directed, focused and calibrated to deliver the exact light for the application.

FEATURE	TRADITIONAL LED/FIBER ENGINES	JAGOTEQ LASER MODULES (LF120/LF40)
Light Source:	LED diodes	3 individual RGB laser spectrums.
Light Quality:	INCOHERENT: Light scatters in all directions, making it hard to "focus" into a fiber.	COHERENT: Light is a focused, parallel beam that enters the fiber with nearly 100% efficiency.
Color Purity:	Pastel appearance due to broad spectrum characteristics.	Ultra-Saturated: Delivers triple color saturation.



SAVE MONEY

Lower utility bills due to less power usage compared to LED fiber optic systems.

100% IMMERSIBLE

Zero electricity in the fiber.
Safe for any environment.

360° LIGHT EMISSION

Achieve complex designs with diameters as small as 1mm.

100% RECYCLABLE

Our 100% recyclable fiber attributes to a circular, sustainable economy.

LED PROBLEMS

HIGHER UTILITY COSTS

High power usage than Jagoteq's laser modules.

REGULAR MAINTENANCE

Common dead zones and overheating issues.

WATER DAMAGE

Corrosion and short circuits in humid environments.

WASTEFUL

Single-use technology destined for landfills.

JAGOTEQ ECOSYSTEM



LASER
ENGINE



TRANSFER
FIBER



MIRRORED
END CAP



FIBER OPTIC
CABLE



SAFETY
FIBERLINK

LASER ENGINES

[\[Back to Contents\]](#)

LF120

[SPEC SHEET](#)

[USER GUIDE](#)



12W, 5A, 27.5 lbs 10" x 9.5" x 14.75"
RGB display, smart fan control, 45dB max noise,
IEC power conn., USB-A port, SMA-905 fiber connector

FIBER OPTIC CABLE OUTPUT: 1

CONTROL: 5-pin DMX, e-DMX (Art-Net/sACN),

COLOR: RGBI, CCT, HSI, effects, presets log

CERTIFICATIONS: ETL, CA, ROHS compliant,
FDA Class 3R IEC (no variance needed),
CE in UKCA (*processing*)

LF40

[SPEC SHEET](#)

[USER GUIDE](#)



4W, 2A, 120V-12V DC input, 3 lbs, 7.5" x 4" x 7"
RGB display, smart fan control, 45dB max noise,
IEC power conn., USB-A port, SMA-905 fiber connector

FIBER OPTIC CABLE OUTPUT: 1

CONTROL: 5-pin DMX, e-DMX, W-DMX, Bluetooth

COLOR: RGBI, CCT, HSI, effects, presets log

CERTIFICATIONS: ETL, CA, ROHS compliant,
FDA Class 3R IEC (no variance needed),
CE in UKCA (*processing*)

LF40IP

[SPEC SHEET](#)

[USER GUIDE](#)



The LF40 IP offers the same outstanding performance and features as LF40, but with an added water-resistant design for enhanced environmental durability.

Enjoy durability and convenience in any environment!

***Weather resistant**

FIBER OPTIC CABLES

SPEC SHEET

[\[Back to Contents\]](#)

Laser Engine Compatability		Max Fiber Transmission Distance 1 or 2 Laser Engines	Bend Radius
LF40	1mm Solid Clear	1 Laser - 15M 2 Lasers - 30M	10mm
LF40/LF120 <i>*LF40 Preferred</i>	3mm Solid Clear	1 Laser - 10M 2 Lasers - 30M	20mm
LF40/LF120	6mm Solid Clear	1 Laser - 10M 2 Lasers - 30M	55mm
LF40/LF120 <i>*LF120 Preferred</i>	8mm Solid Clear	1 Laser - 10M 2 Lasers - 30M	10cm
LF40/LF120 <i>*LF120 Preferred</i>	12mm Solid Clear	1 Laser - 10M 2 Lasers - 30M	15cm
LF40/LF120	10mm MultiStrand	1 Laser - 30M 2 Lasers - 61M	25mm
LF40/LF120	12mm MultiStrand	1 Laser - 30M 2 Lasers - 61M	10cm
Mesh 2.75" (7cm), 20" (50cm) expanded - 75mm fiber			
LF40/LF120		1 Laser - 10M 2 Lasers - 20M	45mm

DISTANCE WITHOUT COMPROMISE: Long-Range Fiber Optics for Maximum Impact

Jagoteq's SE (Side Emitting) Fiber Optic Cable is designed in several diameters: 1mm, 3 mm, 6mm, 8mm, 12mm and mesh. Additionally, our TF (Transfer Fiber) is a shielded, non-light emitting cable.

With our TF, you can easily move your laser up to 200-ft away from the location where you want to emit light, with very little intensity and saturation loss.



ACCESSORIES

[\[Back to Contents\]](#)

Wireless add-on for LF40 or 40IP

Wireless add-on for LF40 or 40IP

Bluetooth or CRMX options available upon request



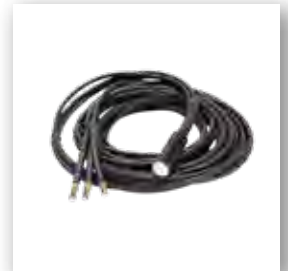
Transfer Fiber: 200 μm for 1mm fiber

Lengths Avail: 3m, 10m, 30m and custom



Transfer Fiber: 600 μm for over 1mm

Lengths Avail: 3m, 10m, 30m and custom



End Lit Fiber

3 in 1 Custom Lengths



Standard FiberLink for Permanent Install

Sizes: 3mm, 6mm, 8mm, 10mm, 12mm and custom



Safety FiberLink

Sizes: 3mm, 6mm, 8mm, 10mm, 12mm and custom



1mm FiberLink

Placed between transfer fiber and 1mm fiber



Mirrored End Cap

For: 3mm, 6mm, 8mm, 10mm and 12mm



Clam Shell

Fits all sizes up to 12mm and 30mm



FiberLink Dust Plugs

Sizes: 3mm, 6mm, 8mm, 10mm, 12mm, 15mm, 30mm



90-Degree Connector

For: Solid Core Fiber



Straight Track

Clear track (linear) cable holder



HOW TO ORDER

It's quite easy to place an order. Reach out to Jagoteq (*info below*), and they will accommodate your request.



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