Pure Performance,
True Value

NO ONE IN THE INDUSTRY UNDERSTANDS SIGN LIGHTING BETTER THAN WE DO

This is our conviction and drive. We understand signage and we understand lighting. We are driven daily to bring the latest lighting technology and expertise to the sign community.

OUR HISTORY
Since 2007, we have been offering cutting-edge technologies in LEDs, modular lighting systems, control, and RGB systems to signage, architecture and retail environments. We have since grown to be a premier lighting supplier to many national, architectural, and regional sign shops, being favored by many fabricators and sign design professionals around the country.

OUR PRODUCTS
We pioneered the development of low-profile channel letter lighting solutions, RGB full color lighting systems, LATTICE matrix lighting, Edgelit light-guide panels, etc. for the sign industry.

Through our extensive experience, we are able to offer real and viable solutions to various challenging lighting projects, which frequently cannot be handled by our competitors. Our products adapt to the latest innovations in LED lighting and manufacturing technologies with design features that focus on quality, application, and value.

We simply have the right products.

OUR PEOPLE
We believe that we, the members of Bitro, are the biggest assets of our company. Upholding a high level of professionalism, integrity, and expertise, our people are trained to service our clients with the utmost respect at all times. We pride ourselves in helping sign fabricators and designers solve problems, offer better products, achieve higher efficiency and profitability, expand product offerings, and thus, create higher business growth. This is what makes Bitro the best sign lighting consultants - and we have the track record to prove it!

YOUR LED LIGHTING PARTNER
Let us be your LED lighting partner. Let us be your R&D department for all your illumination projects. Let us help you reach your full business potential. We bring true value to our relationship... We guarantee it.

Fritz Meyne Jr.
VP of Sales
Bitro Group, Inc.
New Products

Introducing Bitro’s newest 24V module solutions
Power 67% more products than 12V to save on power supplies and labor
Minimized voltage drop due to less current with 24V
Constant current circuitry for regulated uniformity
150 lm/W efficacy

OpticsPRIME24 Family

TITAN24 (OTSR-L4)
Bitro’s most powerful module for sign cabinet applications yet. TITAN24’s powerful optics and innovative heat management design allows this module to deliver over 350 lm per sqft with only one module at unbeatable prices. Optimized to deliver maximum brightness efficiency for less labor.

DEFENDER24 (OTSR-M2)
DEFENDER24 is Bitro’s premier 24V module for channel letters and sign cabinets. Designed with top-tier components and remarkably effective wide angle optics, the DEFENDER24 allows for outstanding light distribution for backlit applications.

REBEL24 (OTSR-X2)
Made with the same components as the TITAN24 and DEFENDER24 but in a smaller package, REBEL24 is ideal for channel letters. In applications where space may be an issue, REBEL24 reduces the number of power supplies needed but still provides efficient illumination.

CYCLOPS24
CYCLOPS24 is an industry-leading module designed for illuminating low-profile sign cabinets from the edges. Ultra-narrow beam angle and powerful LED chips allow for uniform illumination of double-sided blade signs as shallow as 3 inches!

PICO (PCO)
Small and flexible, the PICO allows for easy installation in very narrow and extremely low-profile applications. Combined with the color offerings and widest beam angle in its class, PICO is the perfect solution for meeting the challenge when illuminating architectural lettering.

The OpticsPRIME family of modules share the same chipsets and components. This allows them to be used together in the same sign. This modularity allows for perfection in complex designs. Simple perfection without limitations.
Sign Modules

Not all modules are made the same

Bitro offers the most advanced and budget-friendly CLM in the industry

Optics-enhanced modules

Constant current regulated uniformity

IP67 and higher module construction

Automated manufacturing process for affordable prices

OpticsPRO Family

OpticsPRO (OTSP)

OpticsPRO (OTSP) series is our value driven premium channel letter module that features wide beam lens technology and top components, without sacrificing performance, uniform illumination and quality.

Bantam (OTSP-X3)

Bantam is a complimentary product line that is packed with all the excellent features of OpticsPRO in a small form factor to allow application flexibility. Bantam is offered in PLUS and LITE versions.

TITO 3G (T3G)

Tito3G is the 3rd generation TITO™ system equipped with the mini UniLens™ that delivers outstanding light distribution and superior uniformity in extremely low-profile channel letters as shallow as 1.5 inch. Tito3G is offered in a wide range of color choices for various lighting applications, such as architectural or retail signage.

OTSP Color

All the great features of OpticsPRO available in colors: Red, Green and Blue.

TITO 2G (TTO)

Tito is tiny. Tito is versatile. It fits where most other modules will not! Great for low profile and very narrow strokes with all of Bitro’s advantages: wire-to-wire, IP67, etc. Tito2G is available in various whites and colors.

OmegaMAX RGB(OMX-X3)

Bitro’s newest version of the RGB sign module. Redesigned with a clear lens for better protection against the elements and smaller form factor to fit in tighter spaces and serifs.

Models under the OpticsPRO family share the same chips and components to be able to be used together in the same sign!
Sign Cabinet & Light Box Lighting

The most versatile mix of cabinet lighting solutions under one roof

Bitro offers one-stop solutions for all cabinet lighting needs.

- **Lattice Matrix Lighting**
- **High Output Wide Angle Modules**
- **Perimeter Narrow Beam Modules**
- **Edgelit Light Panels**

TheLattice®3G for signs (L3G)

The original LATTICE™ is now equipped with state-of-the-art optics for offering a set of effective models that are optimized for sign cabinet lighting. Lattice3G (L3G) will light well against inner structures, face braces, and sign poles.

TITAN24 + PrimeTRACK

TITAN24 is the brightest sign module to be used for cabinet lighting. Designed with mounting bumps, TITAN24 can snap into the PrimeTRACK and be installed into sign cabinets as a retrofit fixture. At 1 module per square foot, lighting up a sign cabinet has never been easier.

TheLattice®2G (L2G)

TheLattice®2G is Bitro’s signature lighting system that provides flexible matrix lighting offered in rolls for scalable and modular uniform lighting for sign cabinets and light boxes. L2G is offered in S/F and D/F configurations, in versions that span from 235 lm/sqft to over 3000 lm/sqft with various color options.

DEFENDER24 + PrimeTRACK

DEFENDER24 is the most versatile 24V module in the industry. Designed with mounting bumps, DEFENDER24 can snap into the PrimeTRACK and be installed into sign cabinets as a retrofit fixture.

Cyclops24

CYCLOPS24 is an industry-leading module designed for lighting sign cabinets from the edges. Ultra-narrow beam angle and powerful LED chips allow for more than 10ft of light throw.

Diamond ELP Light Panel

DIAMOND ELP is Bitro’s solution to very thin profile light box needs. It is offered in both a snap frame version for use with selectable advertisement graphics, and in a frameless light engine version for use in custom light boxes as thin as 1/2” depth. DIAMOND ELP is custom manufactured in the U.S. with fast lead times.
Resno & Glacier White

Complete low-profile letter fabrication solutions by the industry’s leading specialist

Bitro is the leader in jewelry-like architectural letters. Bitro also offers complete high-end custom fabrication services for sign fabricators to create their own resno letters.

RESNO

RESNO letters are characterized by thin profile, clean makeup, state-of-the-art workmanship, stunning brightness and uniform illumination. Holding these letters are like holding a piece of jewelry in your hands. Bitro fabricates complete letter sets to custom shapes and sizes.

GlacierWhite 30mm Acrylic

Bitro’s 30mm (1-1/4") GlacierWhite (GW30) cast acrylic is designed and optimized for LED illuminated Resno-type letters. GW30 can be used with TRACER to produce various styles of beautiful, premium face lit and side lit letters. Available in easy to handle 4’x6’ sheets.

TRACER

Bitro’s patented TRACER was designed for internal use, however, it has captured the needs of fabricators because of its ability to lie flat and bend in a 360° angle without damaging the circuit. There is no product in the industry that can illuminate 1” deep facelit letters better than the TRACER!
Style#: RS-AC-F1
Return Depth: 6”
Return Finish: Stainless Steel Painted Gold with a Glossy Finish
LED & Color: Tito, White, 6500K
Job Location: Los Angeles, California

Style#: RS-AC-F4
Return Depth: 1 1/4”
Return Finish: GlacierWhite™ Acrylic Painted White with a Satin Finish
LED & Color: Tracer, White, 6500K
Job Location: Dallas, Texas

Style#: RS-AC-FS1
Return Depth: 1 1/4”
Return Finish: GlacierWhite™ Acrylic
LED & Color: Tracer, White, 6500K
Job Location: Washington D.C.
LightSymphony® RGB Solutions

Undisputed RGB solutions provider in the industry

Bitro’s rich history and experience in dynamic RGB lighting since 2007 positioned the LightSymphony as the best RGB lighting solution in sign lighting.

CLASSIC
LightSymphony® CLASSIC is a simple and economical color-changing solution for signage applications where the entire sign or cabinet color is changed collectively and uniformly.

SELECT
LightSymphony® SELECT features color-changing solutions for individual letters or blocks. Each cluster of modules is controlled independently, producing color patterns with more dramatic effects.

SIGNATURE
LightSymphony® SIGNATURE is our premium color animation. It features a system that can change colors in each module, producing stunning color effects within each letter or blocks. The possibilities are only limited by the user’s imagination.

Bitro’s LightSymphony® Visual Orchestra System brings you innovative full-color LED illumination solutions for signage and architecture. This arrangement of complex color schemes produces a dazzling vista that can only be described as a visual symphony.

OmegaMAX RGB (OMX-RGB) is built with the same durable and reliable package as our original OmegaMAX. It offers practical full color illumination solutions for channel letters and cove lighting applications. See our list of controllers for color control options!
Other Specialty Products

LED Lighting Specialist for Signage

Signage acrylics
Linear bars
LED power supplies
LED controllers & dimmers
OEM / ODM

DULITE

DuLite is Bitro’s premium signage acrylic that offers effective day/night color changing options. The perfect balance between base pigmentation and translucency allows DuLite to exhibit richer blacks during the day and more brilliant whites during the night. DuLite also offers Red and Green pigmented solutions that allow the color of the LED to pass through the colored acrylic. Example: Red DuLite with Blue LED will illuminate Blue!

LED Power Supplies

Bitro offers reliable and robust power supply solutions at affordable prices. Bitro’s power supplies are offered in 12V-60W and 24V-96W versions, and are certified for UL and CSA recognized components for sign shop use.

RGB Control Systems

Bitro excels at offering RGB control options for standard to custom needs. We offer in house dimmer systems, IR, RF, and DMX RGB solutions and options including wifi and smartphone control! Call us when you need more than white light at affordable prices!

T-luxe & LightPRIZM Light Bars

Bitro offers two families of linear LED bars: the LightPRIZM series with heavy duty housing and our small footprint T-Luxe series, which are available in whites, color and RGB solutions for wall washing, direct and indirect use for any number of signage needs! Available in standard lengths for outdoor and indoor applications.

Smart Dimming (BT-SDX)

BT-SDX Series (BT-SDC and BT-SDM) Smart Dimming Solution is Bitro’s standard dimming solution to control the brightness of LED modules used in signage. Designed for practicality and scalability, BT-SDX can be used in single power supply applications to large scale synchronized multi-power supply projects.

Redundancy System

Bitro has developed a redundancy backup system, optimized for class 2 low voltage LED applications! The BT-RDC module allows the use of any two class 2 power supplies to be configured to provide power with redundancy backup to one class 2 load of LED modules.
At Bitro we strive to be “Your LED Lighting Partner” by offering professional grade products to meet your lighting and signage needs. Our channel letter modules, light box and cabinet lighting products are in great demand by our customers for traditional industry applications.

Our signature line of LED lighting products places Bitro a head above our competitors by developing and providing custom products such as our RESNO, ELP, GlacierWhite and DuLite acrylics for use with LED lighting, and our exciting RGB LED lighting and control options.

“Since 2007 our customer base has grown and we continue to be used internationally, regionally, and locally.”