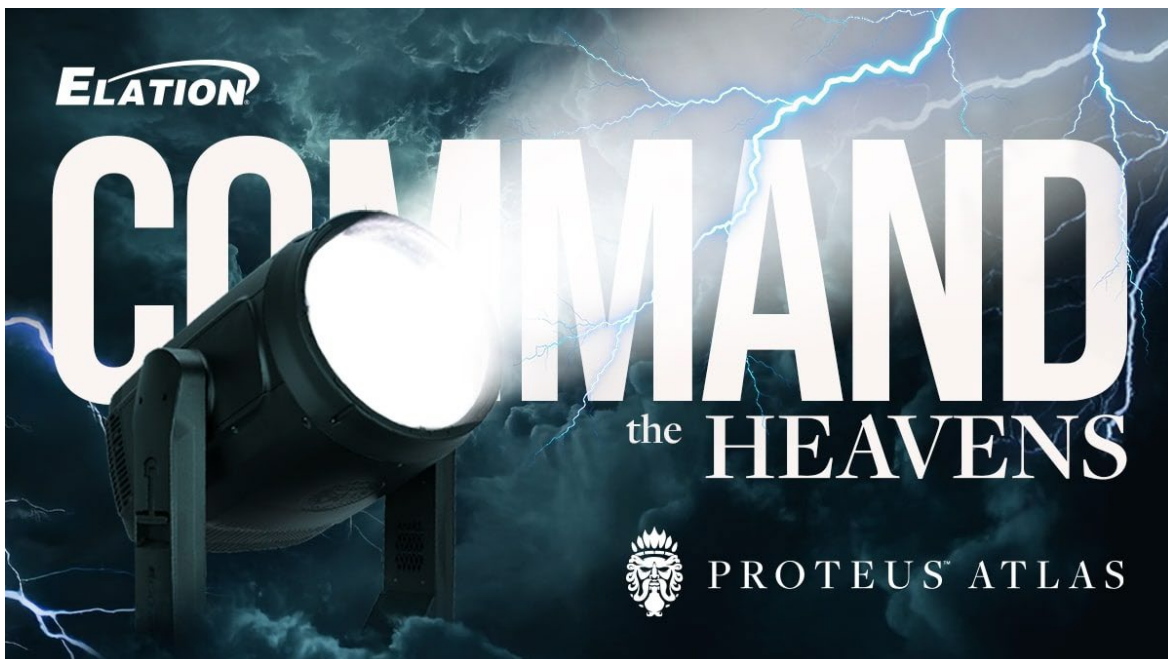04-Aug-2025

Elation's Ultra-Long-Throw PROTEUS ATLAS Soars to New Heights

Powerful LILI light engine projects astonishing distances with unparalleled brilliance while offering a host of other benefits such as improved energy efficiency, light quality, and adaptability

Elation's PROTEUS RADIUS launched a new era of long-throw beam lights with its LILI (Laser Illuminated Lighting Instrument) light engine and now that long-range power is taken to the next level with the new, ultra-long-throw **PROTEUS ATLAS**. This intense IP66 Beam FX is comparable to 7K Xenon searchlights yet offers a host of design features and operates at a fraction of the power.

The PROTEUS ATLAS is engineered to conquer vast distances and paint the sky with precision, empowering designers to light boldly at scale. Designed for landmark events and large-scale productions, ATLAS offers unmatched output, weather-defying durability, and the creative flexibility to shape awe-inspiring aerial displays with ease.

LILI light engine

What sets the PROTEUS ATLAS apart is its laser-based LILI light engine, which produces a remarkably bright, dense, Xenon-style beam with sharp definition. Ideal for both indoor and outdoor applications, the PROTEUS ATLAS powers out an astounding 1,000,000 Lux @ 20m (100,000 Lux @ 100m), throwing a concentrated beam of light that can span impressively long distances. The ultra-narrow beam projects from a mammoth 320mm (12.5") front lens as a massive column of light, adding attention-grabbing impact to any event or environment. Highly efficient with little heat produced, the LILI engine boasts a long life of 12,000 hours without significant degradation in brightness or quality, keeping replacement and maintenance costs low.

Eric Loader, Elation Global Vice President Sales, comments, "LILI sources will continue to drive innovation in our lighting products. These laser-based technologies are set to improve energy efficiency, light quality, and adaptability, allowing for more creative and high-performing solutions across the entertainment lighting industry. They provide the ideal output for longer throw distances with lower energy consumption, extended lifespan, and reduced maintenance compared to traditional short-arc discharge lamp sources."

Aerials with Ease
Housing an ultra-efficient 500W LILI light engine, the PROTEUS ATLAS's ultra-intense 0.6° beam (zoomable to 8.5°) combines with a full complement of design features that allow designers to compose an array of stunning aerial effects with ease.

Other Defining Features of the PROTEUS ATLAS:

- Full CMY color mixing and a 25-position color wheel offer virtually unlimited color options, a system that is lightning fast for immediate color transitions and instant color bumps. With its incredible light intensity, all CMY colors remain strong and vibrant even when fully saturated.
- An artistic selection of 13 interchangeable-rotating/indexing metal gobos and 26 static-stamped metal gobos provides designers an abundance of creative aerial possibilities.
- Multiple prisms divided between overlapping planes split beams in virtually unlimited combinations for eye-catching aerials.
- Beam control is provided through an ultra-fast zoom and focus lens array while dual frosts (Hot-Spot Beam, Wash FX) soften the beam when needed for breathtaking wash effects that paint surfaces with vibrant hues or bathe the sky in a kaleidoscope of colors. Dimming is ultra-smooth without flickering.
- Endless 360-degree pan movement makes for riveting animations that can fill any space.

The PROTEUS ATLAS includes Elation's innovative Sky Motion system, allowing it to operate as an impactful searchlight effect without the need for a dedicated lighting controller. Multiple fixtures can be seamlessly interconnected, while a variety of dazzling movement patterns are easily adjustable in size, speed, and color directly from the display. The Sky Motion system allows for standalone operation and is easy to set up and adjust directly from the fixture display, even for "non-lighting" users.

IP66 Protection

Protected by Elation's market-proven PROTEUS technology, the ATLAS's rugged aluminum shell and advanced marine-grade coating provide operational reliability in demanding outdoor and indoor environments. With an IP66 rating and sealed optical system, it stands firm against rain, snow, coastal air, and humidity, reducing maintenance while maximizing uptime. Its high-speed motors, continuous pan, and smooth motion architecture ensure fast, fluid performance even in punishing environments—from cruise ship decks to desert festivals.

Ideally suited for outdoor events and spectaculars, theme parks, cruise ships, and the perfect jaw-dropping effect for large scale shows and concerts, the sky becomes a visual canvas for the ATLAS's intense beam and powerful prism and flower effects, providing a new level of creative control for designers working on a monumental scale.

About Elation

At Elation, we collaborate with leading professionals in the lighting industry to help bring extraordinary experiences to life. As a designer and manufacturer of a wide range of high-performance entertainment lighting products, we're proud to be a trusted partner to top lighting professionals and rental houses around the world. Our commitment to quality, innovation, and creative solutions has made us a go-to resource in the industry. We also offer an advanced line of lighting control products through Obsidian Control Systems, and a full range of dependable specialty effects called Magmatic. We invite you to take a closer look at www.elationlighting.com

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