

NewFeel Lighting Enhances Stage Technology with Smart Laser and Moving Head Manufacturing Solutions

NEW YORK, NY, UNITED STATES, August 18, 2026 /EINPresswire.com/ --

[Guangzhou New Feel Lighting And Audio Equipment Co., Ltd.](#) provides comprehensive engineering, OEM/ODM manufacturing, and multi-protocol control integration across its global portfolio of stage lighting and visual effect systems.

Company Overview

Established in 2008 in Guangzhou, China, Guangzhou New Feel Lighting And Audio Equipment Co., Ltd. (operating globally under the brand name NewFeel Lighting) is an industrial manufacturer specializing in professional stage lighting and environmental effect equipment. Operating from a 3,500-square-meter production facility located in Baiyun District, the company employs approximately 50 technical, operational, and production personnel capable of generating a monthly output exceeding 5,000 lighting units.

NewFeel Lighting operates as an integrated manufacturer combining research and development, optical engineering, structural design, electronic controls, assembly, and direct export. Approximately 80% of total production is distributed to international markets



NewFeel Lighting Office Operations and Management Facility



Portable RGB Laser Projector with APP Control

spanning North America, Europe, South America, Southeast Asia, the Middle East, and Africa. The company's engineering team concentrates on developing specialized hardware for event production, concert touring, architectural installations, and commercial entertainment venues.

Manufacturing processes at the Guangzhou plant adhere to multi-stage quality control standards. Quality assurance begins with incoming raw material inspection (IQC), moving through core diode and module testing, scanner alignment, optical performance verification, continuous burn-in aging tests, electronic stability monitoring, and pre-shipment inspections. The company maintains international compliance, holding CE certification (Cert No. UTT202406076C) for its laser light manufacturing lines.

Products & Services

NewFeel Lighting develops, manufactures, and supplies a broad spectrum of lighting fixtures and effect generators engineered for distinct venue scales and technical control environments. Below is an overview of the core product categories and individual hardware solutions.

1. [Portable RGB Laser Projector with APP Control](#)

Designed for mobile entertainment, small venues, and private events, the Portable RGB Laser Projector combines full-color RGB laser effects with convenient APP-based wireless control. Its compact and lightweight design allows users to quickly set up impressive laser shows without complex installation or professional programming equipment.

Through the mobile APP, operators can easily control laser patterns, beam effects, animations, text displays, and show sequences directly from a smartphone or tablet. The projector also



IP66 Waterproof Outdoor RGB Laser Projector (A3-APP)



30W RGB IP65 Outdoor Laser Projector (N6)

supports DMX512 and ILDA control interfaces, providing flexible integration for DJs, event professionals, and stage lighting systems.

Built with a reliable RGB laser source and precision scanning system, this portable laser projector delivers vivid colors, smooth animations, and dynamic beam effects for parties, clubs, weddings, mobile DJs, and small-scale performances. Each unit undergoes strict quality inspections, including laser output testing, scanner alignment verification, and thermal stability checks before shipment to ensure reliable operation.

[2. IP66 Waterproof Outdoor RGB Laser Projector \(A3-APP\)](#)

Designed for outdoor events, festivals, architectural displays, and entertainment venues, the A3-APP Series Waterproof Outdoor RGB Laser Projector features a high-protection one-piece housing design that provides excellent waterproof, dustproof, and smoke-resistant performance. Its sealed structure helps protect internal optical and electronic components from harsh outdoor environments, while also making it suitable for indoor venues with heavy smoke effects, such as DJ clubs and night entertainment spaces.

Equipped with a high-quality 10W RGB laser source, the A3 Series delivers bright and stable color performance with excellent beam quality. The red laser module features lower beam divergence, helping achieve purer white color mixing, while the built-in color temperature control system helps reduce brightness loss during long-term operation and improves overall laser lifespan and reliability.

With a compact and durable design, the A3-APP Series provides reliable RGB laser effects for outdoor stages, festivals, weddings, clubs, and entertainment applications. The projector supports professional control systems including DMX512 and Pangolin FB4 integration, allowing flexible connection with different lighting environments.

3. 30W RGB IP65 Outdoor Laser Projector (N6)

Engineered for high-power demanding applications, the N6 30W RGB Outdoor Laser Projector is constructed for large-scale outdoor events, landmark projection, theme parks, and architectural



382W CMY Hybrid Moving Head Light Fixture

visual displays. The primary engineering challenge addressed by the N6 is maintaining beam coherence, brightness, and color saturation over extended projection distances in ambient outdoor environments.

NewFeel Lighting High-Power Outdoor RGB Laser System

The N6 Series supports professional control solutions including ILDA, DMX512, and self-running/master-slave modes for flexible integration into different lighting systems. For advanced laser show applications, an optional original US-made Pangolin FB4 control system is available, enabling compatibility with professional laser software and lighting control platforms such as Pangolin QuickShow, BEYOND, ArtNet, and MA consoles.

With 30–35KPPS high-speed scanning, sharp beam output, and advanced semiconductor laser modules, the N6 provides reliable performance for landmark buildings, theme parks, dance clubs, big shows, and other professional entertainment venues.

4. 382W CMY Hybrid Moving Head Light (Beam Spot Wash)

Addressing the need for multifunctional stage lighting, the 382W CMY Hybrid Moving Head combines three classic lighting functions—tight parallel beam, crisp profile spot, and smooth perimeter wash—into a single physical fixture. By consolidating these capabilities, stage designers can optimize rigging space, power distribution, and transport volume.

382W CMY Hybrid Moving Head Light Fixture

The fixture incorporates a continuous CMY color mixing engine alongside independent gobo wheels, rotating prisms, motorized zoom, and focus optics. Controlled via standard DMX512 and RDM protocols, the unit undergoes rigid mechanical movement calibration, optical alignment, and thermal tolerance testing prior to shipment. Minimum order quantity for this unit is set at 2 pieces.

5. 10W RGB Wedding Laser Light Projector

Designed specifically for social events, wedding receptions, and ballroom production, the 10W RGB Wedding Laser Light Projector delivers precise white-balanced laser output suited for atmospheric beam displays and custom graphics projection, such as names, monograms, and thematic animations.

Control interface options include Bluetooth mobile APP integration, DMX512 compatibility, and standard ILDA network connections. The 10W power output is calibrated to balance visual impact with indoor venue operating parameters. Quality assurance testing verifies diode wavelength balance, scanner linearity, and signal response across wireless control channels.

6. 20W RGB Outdoor Laser Projector with FB4 Control System

The 20W RGB Outdoor Laser Projector incorporates an integrated Pangolin FB4 main board, eliminating the need for external ILDA control conversion boxes or extended analog cable runs.

This integrated hardware setup simplifies long-distance signal routing in large event spaces, concerts, and outdoor festivals.

The fixture features weather-resistant construction, high-speed optical scanners, and support for network-based control via Ethernet, Art-Net, auto-play SD card memory, and DMX. Output parameters are monitored during production for beam divergence, power stability, and thermal control under sustained operation.

7.High-Output Outdoor Laser Series: 80W, 100W, and 130W (F5700)

Positioned at the highest power threshold of NewFeel Lighting's catalog, the F5700 series offers power options of 80W, 100W, and 130W RGB optical output. These units are developed for high-altitude landmark illumination, long-range city skyline visual shows, mega-festivals, and permanent outdoor architectural installations.

Featuring an IP65 rated enclosure, advanced thermal management systems, and factory-integrated Pangolin FB4 media control hardware, the F5700 delivers ultra-dense laser beams capable of spanning kilometers. Due to the high power specification and custom configuration requirements, production lead times range between 15 to 25 days for single evaluation units and 30 to 45 days for project-scale orders.

Market & Clients

NewFeel Lighting's commercial operations serve a global client base comprising regional lighting distributors, stage production agencies, equipment rental operators, event management firms, and system integrators. The company's products are utilized in live music concerts, indoor and outdoor festivals, corporate product launches, theater productions, club installations, and civic architectural lighting projects.

To accommodate international commercial requirements, NewFeel Lighting provides structured OEM/ODM cooperation frameworks. These services include custom physical chassis finishes, branded interface panels, modified optical components, customized firmware, and specialized flight-case packaging.

Representative Supply Projects

□United States Distribution Project: Supplied over 500 units of RGB laser projectors, fog generators, and special effects equipment to an established event equipment distributor. The products were deployed across wedding venues, private events, and regional DJ production networks.

□French Stage Equipment Importer: Delivered a bulk consignment exceeding 1,500 lighting units to a European stage production contractor. The fixtures were integrated into tour lighting rigs, outdoor festival setups, and commercial venue installations requiring extended operational durability.

Commercial transactions are managed through transparent international banking protocols, supporting T/T bank transfers, L/C, and Alibaba Trade Assurance. Standard commercial terms involve a 30% advance deposit upon order confirmation, with the remaining 70% balance settled post-inspection prior to dispatch. Freight logistical options include sea freight for bulk shipments, air freight for time-sensitive projects, and international express services for sample deliveries.

Vision

As professional visual production shifts toward higher automation, wireless connectivity, and multi-fixture synchronization, NewFeel Lighting continues to focus its research and development on expanding control versatility and optical efficiency.

The company's forward engineering initiatives focus on three primary industry trends:

1. Protocol Integration: Expanding built-in mobile app control alongside industry-standard networking platforms (FB4, Art-Net, DMX/RDM) across all power categories to streamline field setup for technicians.
2. All-Weather Engineering: Enhancing sealed IP65/IP66 optical compartments to support permanent outdoor installation requirements without sacrificing heat dissipation performance.
3. Modular OEM Production: Standardizing internal electronics and optical modules to shorten production turnaround times for custom customer branding and specialized project requirements.

By systematically improving optical efficiency and thermal dissipation, NewFeel Lighting aims to deliver high-brightness, reliable lighting instruments to meet evolving global production standards.

Closing

Through sustained investment in R&D, structured quality control, and scalable manufacturing facilities in Guangzhou, Guangzhou New Feel Lighting And Audio Equipment Co., Ltd. provides practical stage lighting hardware and specialized laser visual solutions. By balancing custom engineering capabilities with standardized mass production, the company remains a consistent technical partner for distributors, rental operators, and project contractors worldwide.

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