



NOMAD NANO



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DESIGNED FOR VERSATILITY

Nomad Nano is designed to deliver maximum creative freedom in a compact and elegant form factor. Engineered for professional indoor and outdoor applications, it combines powerful light output, advanced wireless technology, and long-lasting battery operation within a refined and minimalist design.

Featuring a high-performance RGBL full-colour light source, integrated CRMX wireless control, and an IP65-rated housing, Nomad Nano offers a versatile solution for events, hospitality venues, architectural installations, and temporary productions where reliability, fast deployment, and exceptional light quality are essential.



DETAILS THAT MAKE THE DIFFERENCE

Every aspect of Nomad Nano has been carefully designed to enhance usability and improve the user experience in real-world applications.

An adjustable positioning foot allows precise beam aiming, making it easy to fine-tune the fixture angle when used on the ground.

The display and manual control interface are discreetly integrated into the underside of the housing, preserving

the clean aesthetics of the fixture while keeping all essential functions easily accessible.

Rubber feet provide additional protection by isolating the fixture from the ground, helping to prevent scratches and improving stability on delicate surfaces.



TECHNICAL SPECIFICATIONS

ORDER CODE: SG NOMADNANO

Light source

4x20W led RGBL – Full Color

LED lifespan: > 50.000h

LED refresh frequency: > 600Hz to 15 KHz flicker-free

Optic system

Beam Angle: 12°

Illuminance: 1985 lux @ 5m (full on)

Color system

RGBL Full color

Effects

Linear dimmer 0-100%

Red Shift function for an authentic tungsten dim-to-warm effect

Control and programming

5 DMX configurations available: 2/3/4/5/11 channels

Keypad lock password for display lock

USITT DMX 512 protocol

Integrated CRMX wireless DMX receiver

Control via Vision Control APP

Near Field Control (NFC)

Electronic strobe, pulse, random

Static color mode

Auto mode with 15 programs

CCT presets with 11 macros

Linear CTC from 2,500 K to 10,000 K

Virtual color wheel with 50 colors

4 dimming curves: Linear, Square, Inv-Square, S-Curve

4 dimming speeds

Power management system

Emergency light function

Structure and cabinet

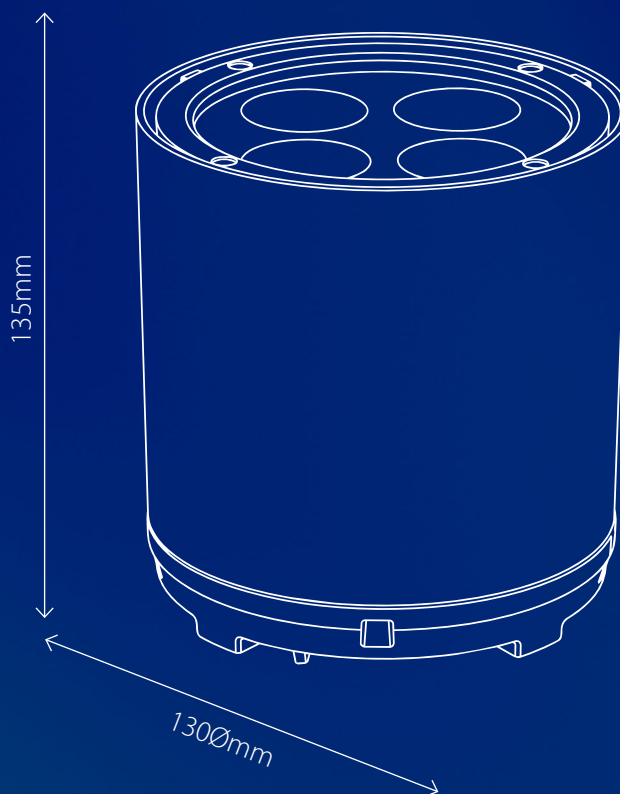
High resistance 6063 die cast aluminum housing

Graphic LCD color display

Front tempered glass

"Light up" positioning with adjustable angle

IP65 rating



Magnetic frost filters: Soft Diffusion Filter and

Elliptical Diffusion Filter 60° × 10°(included)

Par bracket with Fast Lock system (included)

Pendant bracket (included)

Antiglare ring (included)

Mounting points: 2 pairs of 1/4-turn locks omega bracket

Power supply

Input Voltage: 18VDC for standard use and battery recharge

Rechargeable internal Li-Ion battery: 14,8VDC – 10,5Ah

Runtime battery: ~ 4h:00m (full ON – Boost power mode)

Runtime battery: ~ 9h:00m (Color change – Boost power mode)

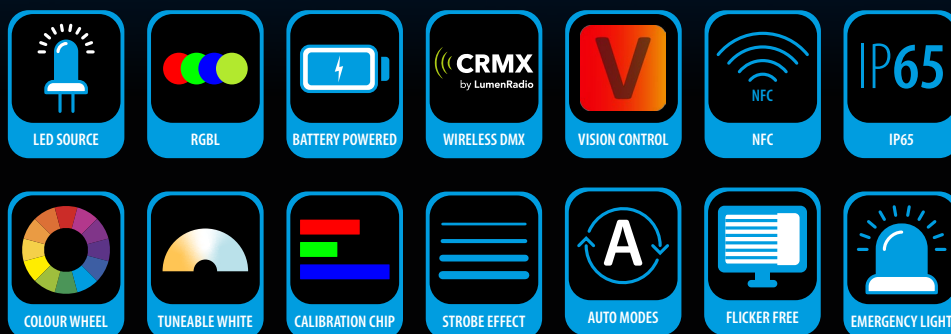
Charging cycle: ~ 6 hrs (Projector turned off)

Power adapter 18 VDC – 5A included

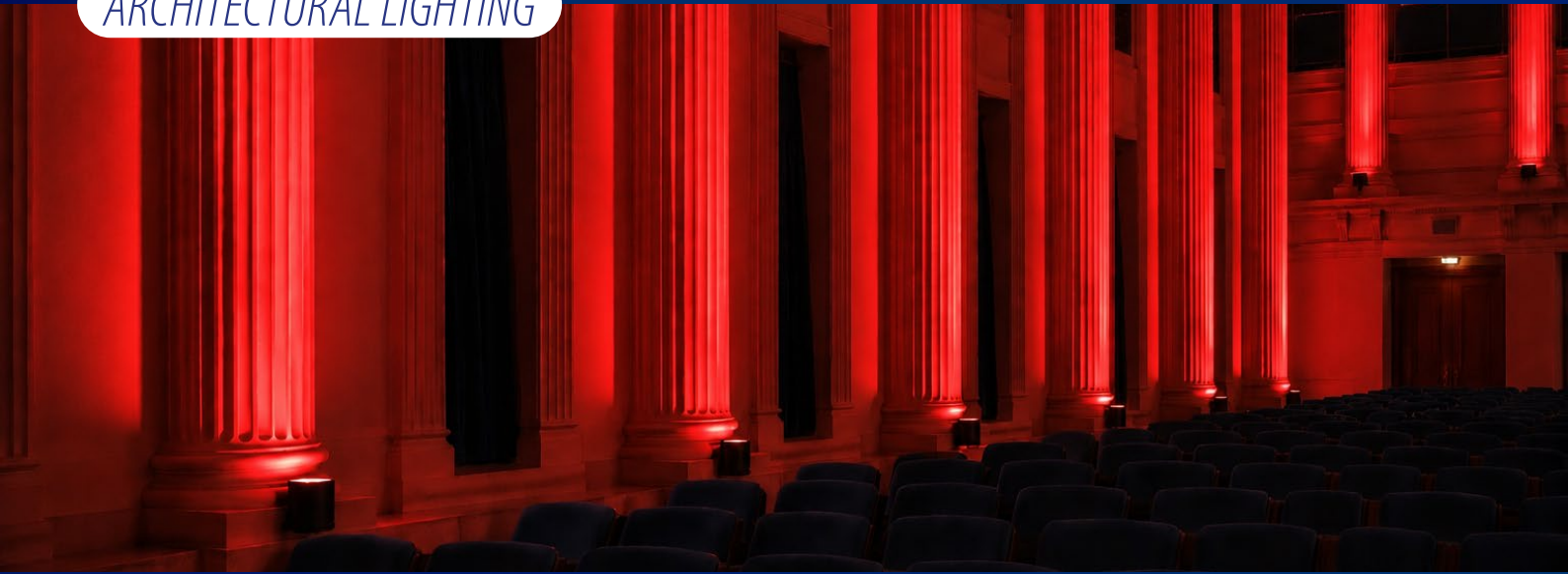
Weight and dimensions

Net weight: 2,4 kg (accessories included)

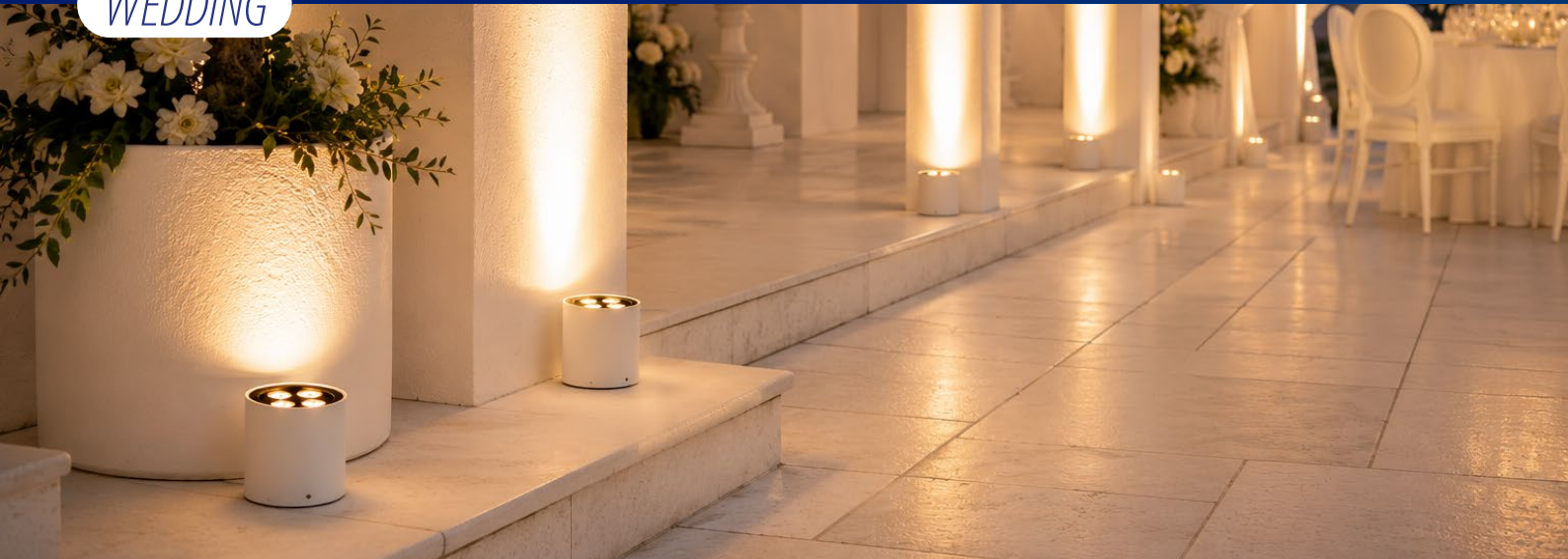
Dimensions: 135hx130Ø mm (accessories excluded)



ARCHITECTURAL LIGHTING



WEDDING

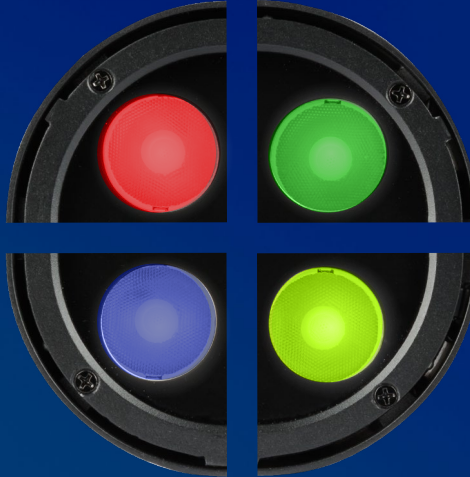


CORPORATE EVENTS



LIGHT SOURCE & OPTICAL SYSTEM

Nomad Nano features four latest-generation 20W RGBL LED sources, delivering accurate colour reproduction, exceptional beam uniformity, and high-quality white light. The addition of the Lime emitter enhances pastel tones, smooth colour transitions, and natural white light generation.



The fixture is equipped with a 12° native beam angle for precise light projection and excellent beam control.

Optional magnetic diffusion filters, allow the light output to be quickly adapted to different applications through a simple tool-free attachment system.

MAGNETIC DIFFUSION FILTERS

Two optional magnetic diffusion filters, the specific requirements of each application. Soft Diffusion Filter and Elliptical Diffusion Filter 60° × 10°, allow the light output to be quickly adapted to.

The tool-free magnetic attachment system enables fast installation and replacement, making on-site adjustments simple and efficient.

From precise accent lighting to softer and wider coverage, magnetic filters expand the versatility of Nomad Nano, giving lighting designers greater control over beam shaping and light distribution.



ANTI-GLARE RING

Designed to minimize unwanted glare, the optional Anti-Glare Ring improves visual comfort and enhances the overall aesthetics of the installation. By reducing the direct visibility of the LED source, it is particularly suited for weddings, corporate events, hospitality venues, and architectural applications where a discreet and elegant lighting presence is desired.

Thanks to the exclusive "Insert & Twist" quick-lock bayonet system, the accessory can be installed or removed in seconds without the need for tools, ensuring a secure and reliable connection in any operating configuration.



TOOL FREE SYSTEM

Nomad Nano introduces a new approach to accessory management, designed to simplify setup, reconfiguration, and teardown. Its innovative tool-free quick-lock system allows accessories to be installed or replaced in seconds, without screws, tools, or additional hardware.

PAR brackets, pendant bracket, decorative covers, and other accessories can be quickly exchanged, enabling fast adaptation to different applications and event requirements. Designed for productions where speed and flexibility are essential, the system reduces setup time and simplifies on-site operations, giving lighting professionals more freedom to focus on creativity and design.



PAR BRACKET

The PAR Bracket provides a practical and secure mounting solution for floor-standing and temporary lighting applications.

Designed to maximize versatility, it allows Nomad Nano to be positioned and aimed with precision in a wide range of environments.



READY TO RIG

Nomad Nano is supplied with a standard Omega bracket, allowing quick and secure mounting on trusses, structures, and overhead installations.

Combined with its compact design and integrated battery, it can be positioned exactly where needed without the constraints of power cabling, enabling clean and efficient lighting setups.



PENDANT BRACKET

The included Pendant Bracket transforms Nomad Nano into an elegant suspended fixture, expanding its application possibilities in hospitality venues, restaurants, corporate events, and decorative installations.





DECORATIVE SPHERE

ORDER CODE: SG NOMADNANOSP1

The optional Decorative Sphere transforms Nomad Nano into an elegant decorative lighting element, creating a soft and diffused glow ideal for weddings, hospitality venues, corporate events, and ambient lighting applications. Its spherical diffuser softens the light output, enhancing visual comfort and creating a welcoming atmosphere while preserving the fixture's wireless flexibility and ease of deployment.



DECORATIVE COVERS

In professional lighting applications, fixtures should enhance the environment without becoming the centre of attention.

For this reason, Nomad Nano has been developed alongside a range of dedicated decorative covers designed to blend seamlessly into the surrounding space, reducing the fixture's visual impact and improving its integration within any architectural or event setting.

Manufactured entirely from aluminium to ensure lightweight construction, durability, and quick installation.



MIRROR COVER

ORDER CODE:
SG NOMADNANOCVCH



WHITE COVER

ORDER CODE:
SG NOMADNANOCVWH



WATERPROOF PROTECTION

Nomad Nano is engineered with an IP65-rated housing, providing reliable protection against dust, rain, and water splashes from any direction.

This weather-resistant design ensures dependable operation in both indoor and outdoor environments, even under challenging conditions.

RUGGED DESIGN

Built for the demands of professional events and installations, Nomad Nano features a high-strength die-cast 6063 aluminum alloy housing and a tempered glass front lens.

This robust construction provides excellent resistance to impacts, wear, and harsh environmental conditions, ensuring long-term reliability in the most demanding applications.

NOMAD BAG

ORDER CODE: *SG NOMADNANOBAG*

Nomad Bag is the professional transport solution designed for the complete Nomad Nano system. Made from high-strength polypropylene (PP), it combines durability, lightweight construction, and practicality in a compact format ideal for rental companies, event professionals, installers, and lighting technicians.

Its custom-designed interior safely stores 6 Nomad Nano fixtures, PAR brackets, pendant brackets, magnetic diffusion filters, 1x SG WECONHUB, and the integrated multi-charger, keeping the entire system protected, organized, and ready for deployment.



CONTROL & CONNECTIVITY

Nomad Nano can be controlled via CRMX by LumenRadio and BLE-based Vision Control technology, providing flexible control options for professional lighting applications. Fully integrated into the Vision Control ecosystem, the fixture can be controlled, monitored, and configured directly from a smartphone or tablet. Its intuitive interface makes it easy to create scenes, effects, groups, and custom programs while managing Nomad Nano alongside other compatible Sagitter fixtures through a single platform. An integrated NFC antenna, positioned on the upper section of the fixture near the LED sources, provides quick access to settings with a simple tap. Users can configure the DMX address and channel mode or use the progressive patching assistant to automatically assign sequential DMX addresses to multiple fixtures, simplifying system setup



Vision
Control



THE HEART OF YOUR WIRELESS SYSTEM

ORDER CODE: SG WECONHUB

The optional WECONHUB system integrates both Wireless DMX and Vision Control technologies, enabling simple and coordinated management across a wide range of applications. It streamlines system setup and configuration while ensuring flexible and efficient operation.

WECONHUB can function as both a transmitter (TX) and receiver (RX), is battery powered, and features adjustable antennas for maximum convenience.



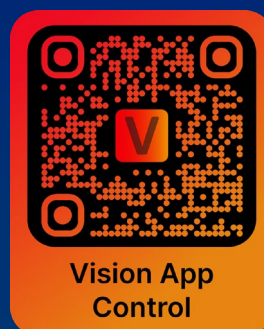


Vision Control

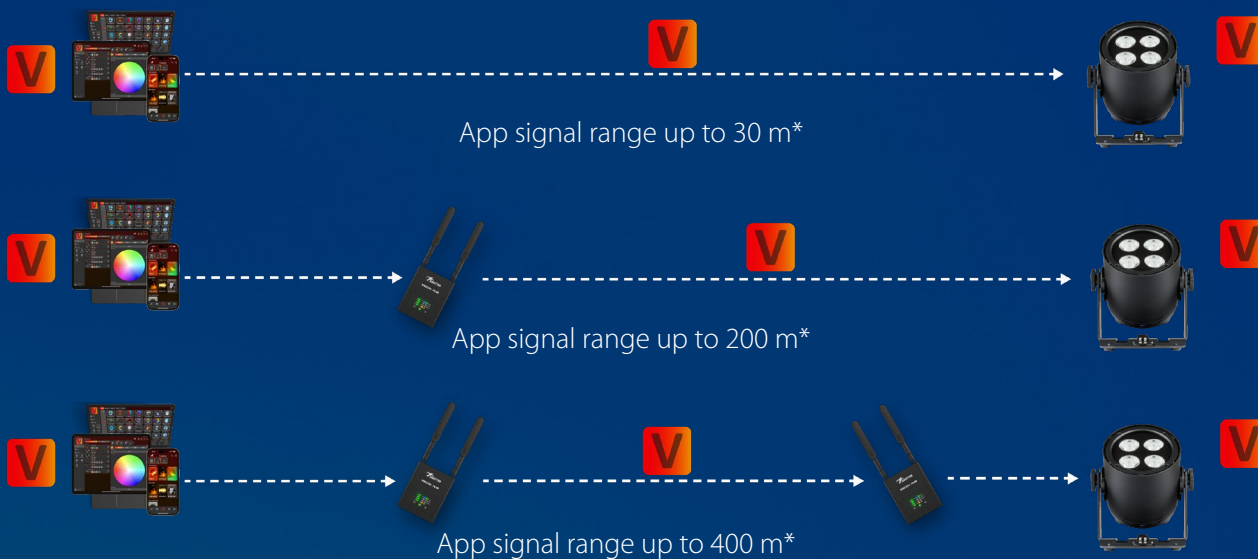
VISION CONTROL APP MODE

To make control accessible to everyone, Nomad Nano integrates wireless connectivity with the dedicated Vision Control App.

Thanks to its intuitive interface, users can easily monitor and adjust every parameter of the fixture, create static scenes, and design complex dynamic effects with a simple touch without the need for cables or bulky controllers. This allows both professionals and less experienced users to work with ease, creativity, and precision.



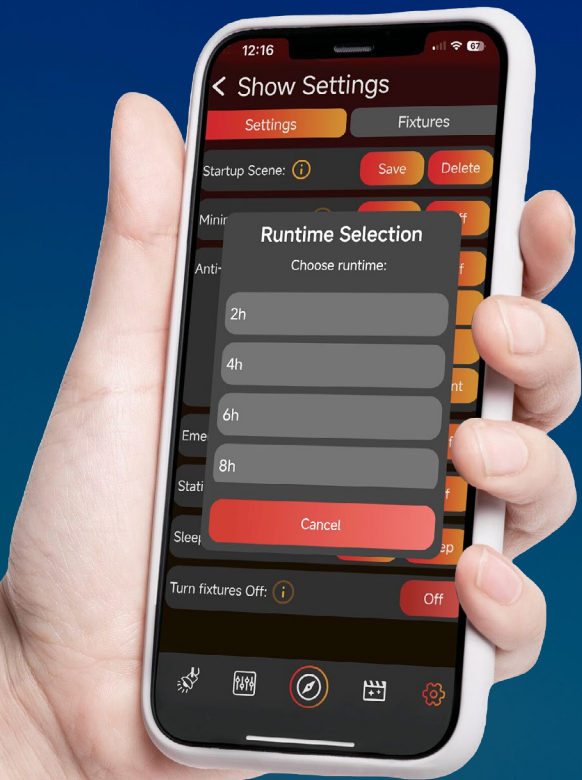
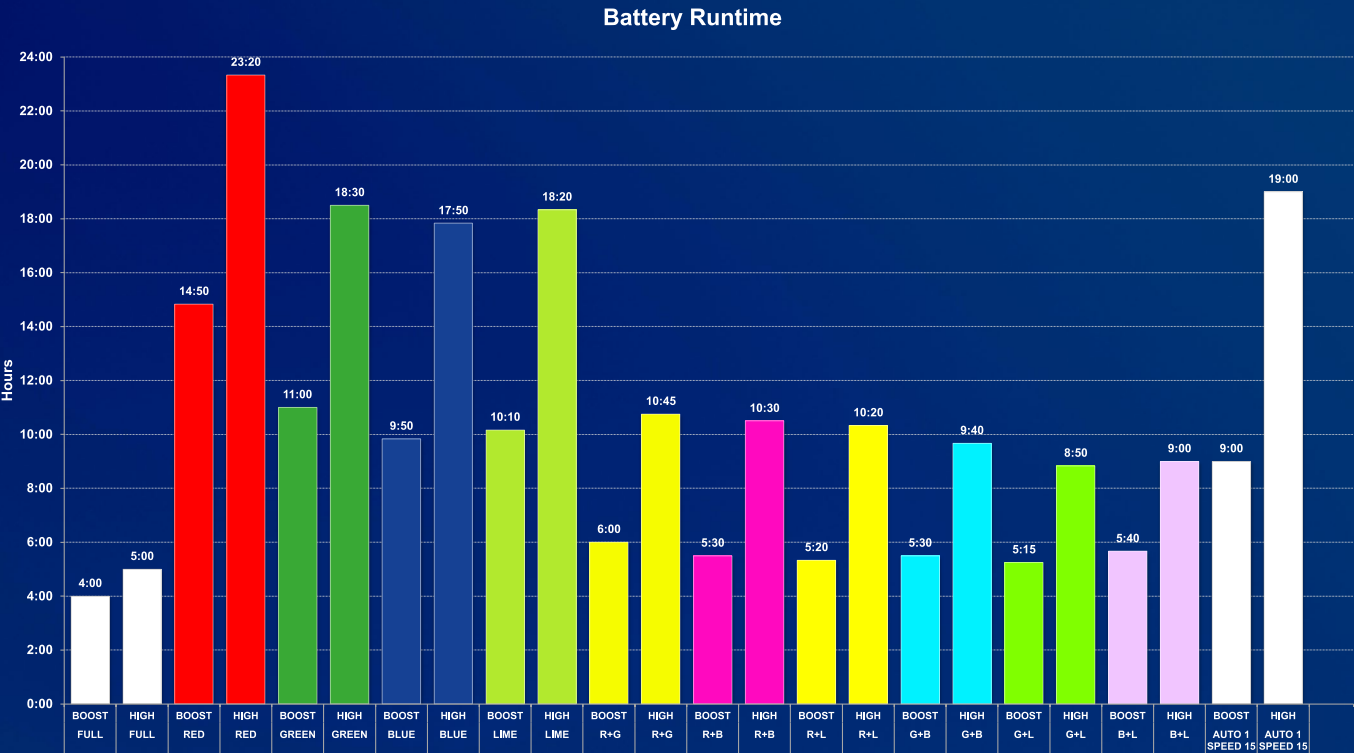
VISION CONTROL CONNECTION DIAGRAM



* Measured in open-field conditions with clear line of sight. Actual range may vary depending on product model, mobile device, antenna orientation, environmental conditions, obstacles, and radio interference.

BATTERY RUNTIME

We understand how important it is for users to know the actual operating time of the system during use. The chart below provides an estimated battery runtime based on different color combinations and operating modes, including Full Power, Single Colors, RGBL, Mixes, and Color Change modes.



SMART BATTERY RUNTIME

The values shown in the chart should be considered reference estimates based on standard operating conditions and are intended to compare the energy consumption of different operating modes. Actual runtime may vary depending on usage profile, intensity levels, active effects, and battery condition. To address this variability, the Vision Control app features a dynamic runtime estimation system that continuously updates the remaining battery life in real time according to the fixture’s actual power consumption.



POWER MODES

To provide maximum versatility, Nomad Nano offers a wide operating power range suitable for any working environment, with four different operating modes.



1. The AC Failure function allows the fixture to automatically continue operating in the event of a power outage while connected to the mains supply, ensuring uninterrupted operation and enhanced reliability in critical applications.



2. When Nomad Nano is connected to an external power supply, the Cut-Off function helps preserve battery life by preventing continuous charging and discharging cycles. This intelligent power management strategy optimizes energy handling and reduces battery stress during extended AC-powered operation. The fixture's behaviour automatically adapts according to LED status and function settings, ensuring efficient management of both charging and power distribution.



3. Battery Off mode allows the fixture to operate exclusively from AC power when the battery is physically disconnected. The fixture automatically powers on when input voltage is detected. Together, these three functions create a comprehensive and flexible power management system designed for continuous operation, emergency applications, and permanent installations, improving efficiency, reliability.



BATTERY MANAGEMENT SYSTEM (BMS)

The integrated Battery Management System (BMS) is the core of Nomad Nano's intelligent power management architecture.

It continuously monitors and optimizes battery operation, ensuring operational safety, consistent performance, and maximum efficiency.

Through advanced control of energy parameters, the BMS protects the system from critical operating conditions, extends battery lifespan, and guarantees reliable performance even during intensive and prolonged use.

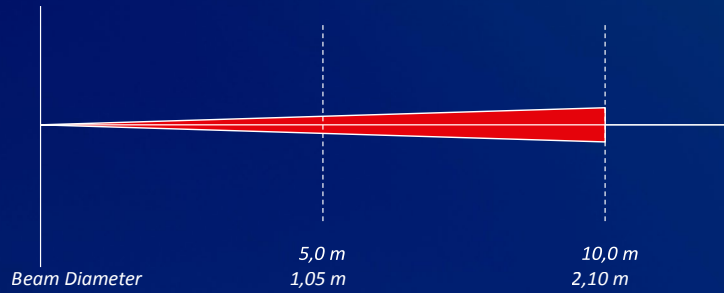
An invisible yet essential technology that delivers stable, efficient, and always-ready power for professional lighting applications and event production environments.

PHOTOMETRIC DIAGRAMS

The photometric diagrams for each color and operating mode allow the user to optimize the LED projector for specific applications, improving luminous efficacy, energy efficiency and the final visual experience.

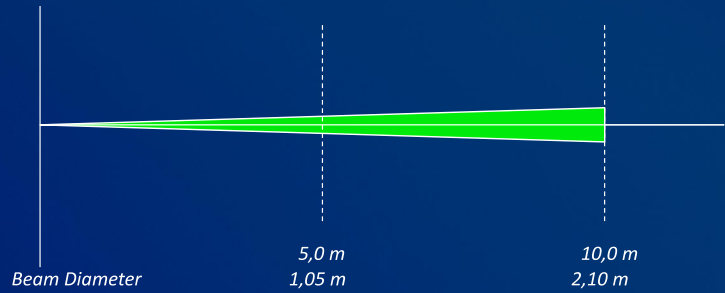
RED ILLUMINANCE DIAGRAM - Lens 12,0°

Illuminance (Lx)	5,0 m	10,0 m
BOOST	526	131
HIGH	283	70



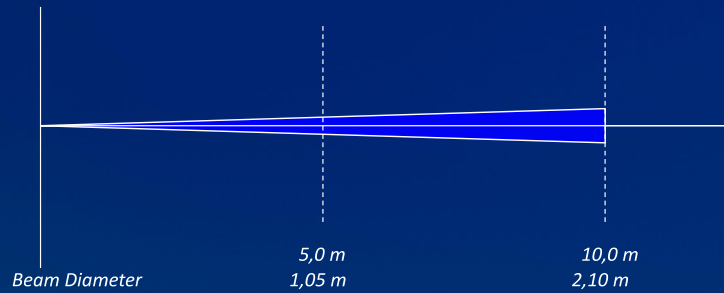
GREEN ILLUMINANCE DIAGRAM - Lens 12,0°

Illuminance (Lx)	5,0 m	10,0 m
BOOST	746	186
HIGH	448	112



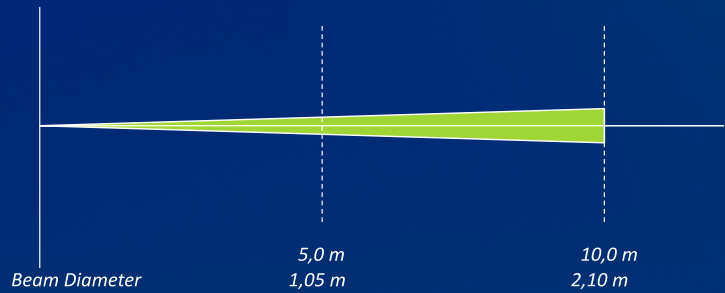
BLUE ILLUMINANCE DIAGRAM - Lens 12,0°

Illuminance (Lx)	5,0 m	10,0 m
BOOST	135	33
HIGH	81	20



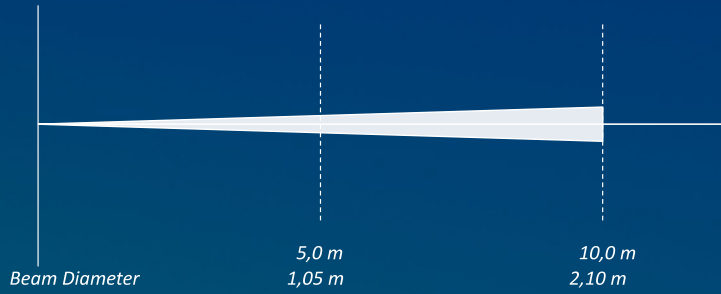
LIME ILLUMINANCE DIAGRAM - Lens 12,0°

Illuminance (Lx)	5,0 m	10,0 m
BOOST	817	204
HIGH	487	124



FULL ON ILLUMINANCE DIAGRAM - Lens 12,0°

Illuminance (Lx)	5,0 m	10,0 m
BOOST	1985	496
HIGH	1244	310







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