

NAJA



AYRTON
Digital Lighting



NAJA

Laser Source 3 Series

Illuminance at 10 m
> 1,840,000 lx

Native CRI
> 68

Front Lens
200 mm

Zoom Aperture
0.6° to 21°

IP Rating
IP65

Weight
31.5 kg



With more than 20,000 laser-source luminaires sold in less than a decade, Ayrton has historically established itself as the world leader. In 2016, Ayrton made headlines by launching DreamSpot 18K, the first laser-source automated luminaire designed for the entertainment industry. This avant-garde fixture powerfully embodied our pioneering vision. In 2021, Ayrton unveiled Cobra, an iconic projector for a generation of light designers in search of creativity, which went on to become a global success. Today, Ayrton continues to write this story, inspired by the most mythical of serpents: Naja, the ultimate expression of Cobra, elevated by its exceptional performance. Naja is the most sophisticated luminaire Ayrton has ever created. This revolutionary projector opens the door to the extraordinary with mind-bending psychedelic effects and an experience of light that is intense, immersive and ever more fascinating. A weatherproof, ultra-powerful, fully equipped luminaire that channels excess into a compact format, with its oversized 200 mm optics delivering a homogeneous 0.6° beam. With astonishing brightness and precision, Naja offers a 35x zoom range and a phenomenal illuminance of 1,840,000 lx at 10 metres.

Equipped with an abundance of features, Naja offers an ultra-fast, disc-based CMY colour-mixing system that ensures perfect colour reproduction. A wheel with 15 complementary colours, 2 multi-colour filters, 2 minus green correction filters and a second wheel with a progressive CTO and 3 RGB+CMY multi-colour animation sections complete the palette of colour tools. Naja is endowed with multiple graphic resources, including 92 fixed and rotating metal gobos distributed across two wheels that allow the light to be sculpted. The gobos can be combined with two banks of three rotating, image-multiplying prisms, which themselves can be paired with two further banks of two rotating, image-multiplying prisms positioned at the front of the unit, enabling a multitude of complex volumetric effects and truly breathtaking looks. Continuous pan & tilt rotation and its innovative 'Short Cut' function further extend the possibilities for creating complex effects. Lightweight and quiet, Naja incorporates an all-new cooling system developed specifically for this light source. With its elegant visual signature and flawless finish, this luminaire lets you experience the future of stage lighting.

OPTICS

- 13-element 35:1 zoom
- Beam aperture: 0.6° to 21°
- 200 mm front lens

LIGHT SOURCE

- Laser phosphore engine
- Illuminance: over 1,840,000 lx at 10 m (narrow angle)
- Colour temperature output: 9000 K
- CRI: greater than 68
- Rated life (L70): up to 12,000 hours
- Flicker-free source

MOVEMENT

- Extremely accurate positioning
- Resolution 8- or 16-bit
- Smooth movement
- Pan and tilt automatic repositioning
- Range: infinite (pan & tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO 3800 to 9500 K
- 15 complementary colours
- 2 multicolour filters
- 2 minus green filters
- 3 multicoloured animation sections

GOBOS

- 12 indexable rotating quartz glass (or metal) gobos
- Adjustable-speed rotating gobo
- 80 fixed metal gobos
- Gobo diameter: 6.9 mm
- Image diameter: 4 mm
- Gobo thickness: 1.1 mm

FROST

- 2 frost filters: one light (1°), one heavy (5°)

EFFECTS

- Graphical animation effects wheel with continuous rotation in both directions
- 2 set of 3 combinable rotating and indexable prisms
- 2 extra sets of 2 combinable rotating and indexable prisms

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set functions
- Integrated wireless LumenRadio receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 IN / OUT connectors
- IP65 PowerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet & sACN protocol
- 1 DMX mode (49 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60Hz
- Power: 700 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton made of aluminium
- Head & base in die-cast aluminium
- Heatsinks in aluminium and copper
- Arms moulded covers in ABS PC (VO class)
- Four handles on the yoke
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45°C (113°F)
- Minimum temperature: -20°C (-4°F)
- Minimum usage distance: 25 m (82 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & CFR 47, FCC Part 15, Subpart B:2023
- Substance regs: RoHS, REACH, CP65

SIZE

- Product: 360 x 669 x 315 mm (l x h x d)
- Polyfoam: 485 x 565 x 560 mm (l x h x d)

WEIGHT

- Product: 31.5 kg

PRODUCT CODE

- 014270: Naja IP65



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