

MAGICBLADE FX



AYRTON
Digital Lighting

MAGICBLADE FX CREATIVE SOLUTION

The versatile MAGICBLADE FX is an exciting new iteration of Ayrton's award-winning MAGICBLADE R, which has been sold by the thousands for use on major musical tours worldwide.

This new MAGICBLADE is equipped with the revolutionary FX optical zoom system that has no visible moving parts and a fixed transmitting lens. With a 15:1 zoom ratio, the beam angle of this proprietary system ranges from 3.6° to 53°. It features seven squared 65 mm transmitting lenses, each with an equivalent optical surface to a round lens with an 80 mm diameter that is combined with a ultra-powerful, low-etendue, LED emitter, enabling MAGICBLADE FX to project intense beams to help create 3D volumetric effects.



The MAGICBLADE FX has seven next-generation RGBW high-output LEDs that can be individually controlled to create airborne virtual scenery or to illuminate sets and performers. The crisp, clean separation between LED sources permits designers to develop innovative graphic effects. An onboard library of pre-programmed effects and colour macros can be combined with console driven control in various display modes. MAGICBLADE FX has extended serial connectivity and can be controlled DMX-512 w/ RDM, ArtNet™, sACN or a wireless link with CRMX TiMo RDM from LumenRadio™.





OPTICS

- 2-elements 15:1 zoom high-resolution optic system
- Beam aperture: 3.6° to 53°
- Fast motorised linear zoom
- 7 squared 65 mm frontal lens

LIGHT SOURCE

- 7 x 1,000 lumens RGBW High-Power LED source
- Total luminaire output: up to 4,200 lumens
- Luminous intensity: 579,600 cd (narrow beam)
- Rated life (L70): up to 40,000 hours
- Flicker free sources management, suitable for TV applications and all video recorded events

MOVEMENT

- Extremely accurate positioning
- Moving-head operated via either 8- or 16-bit resolution
- High-resolution stepper motors operated via microprocessors ensure extreme accuracy and smooth movements.
- Pan and tilt automatic repositioning
- Moving-head range: infinite pan and tilt rotation

COLOURS

- Sophisticated 4 colours RGBW mixed, reaching high Colour Rendering Index
- Uniform light beam with no colour shadows, and rich saturated and pastel colour-hues
- 4.29 billion colours (8 bit resolution)
- Virtual colour wheel, including most usuals white colour temperature presets
- Dynamic colour macro effect with variable speed

EFFECTS

- 2D & 3D graphical effects capabilities
- Effects can be coupled with beam, wash or matrix applications
- Built-in pattern effects with speed and fade controls for scenic applications

DIMMER / STROBE

- Electronic dimmer, allowing perfect light adjustment from 0 to 100% without colour variation
- White or colour strobe effect, with speed adjustment from 1 to 25 flashes per second

SOFTWARE FEATURES

- Local DMX addressing of luminaire and optional parameters through its built-in LCD control panel
- Remote DMX addressing of luminaire and optional parameters through a standard RDM DMX controller
- Information menu including hour counter, temperature, software version

HARDWARE FEATURES

- Graphic LCD display for addressing and special functions settings, with flip function
- 6 menu buttons to set the functions
- Excess temperature protection
- Integrated wireless CRMX TiMo™ RDM receiver from LumenRadio™
- XLR 5 pin male and female connectors for DMX connection
- etherCON RJ45 IN / OUT connectors for ArtNet™ & sACN connection
- powerCON TRUE1 male and female connectors for power connection

CONTROL

- DMX 512 protocol, through DMX cable or wireless system
- DMX-RDM compatible
- Stand-alone mode and Master/Slave modes
- ArtNet™ & sACN protocol through Ethernet cable
- Local control panel, with LCD display
- Choice of 3 DMX modes (from 19 to 46 DMX channels)

POWER SUPPLY

- Electronic supply with active PFC
- 100 to 240 Volts – 50/60 Hz
- Power 400 W maximum

COOLING SYSTEM

- Advanced cooling system
- Self adjusting variable speed fans for quiet operation (Auto mode)
- Selectable auto, stage & studio ventilation modes
- Safety protection against temperatures excesses

HOUSING

- Moving-head skeleton made of aluminium and steel metal plates
- Heatsinks in aluminium
- Moulded covers in self-extinguishing fire retardant ABS PC (V0 class)
- Two sides handles for transportation
- Four heavy-duty feet for better stability
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Fastening brackets system: two Omega ¼ turn brackets designed for use with standard clamps
- Mounting points: four ¼ turn locking fittings allowing installation of Omega brackets on luminaire
- Safety cable attachment point

OPERATING PARAMETERS

- Operating positions: all (device on floor or fixed to a support)
- Maximum permitted ambient temperature (Ta max): 45 °C (113 °F)
- Minimum permitted ambient temperature (Ta min): -10 °C (14 °F)
- Minimum usage distance: 1.5 m (4.92 ft)

COMPLIANCE

- **EU (EMC & LVD):**
- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- **US Safety**
- UL 1573

SIZE

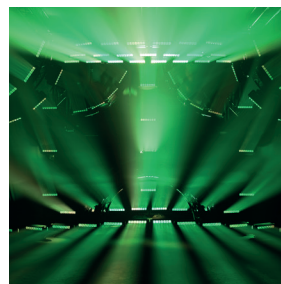
- Product: 612 x 312 x 191 mm (l x h x d)
- Flight-case foam: 677 x 370 x 250 mm (l x h x d)

WEIGHT

- Product: 13.0 KG

PRODUCT CODES

- 015350: MAGICBLADE-FX CREATIVE SOLUTION





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