

# MAGICBLADE-FX



**AYRTON**  
Digital Lighting

# MAGICBLADE-FX CREATIVE SOLUTION

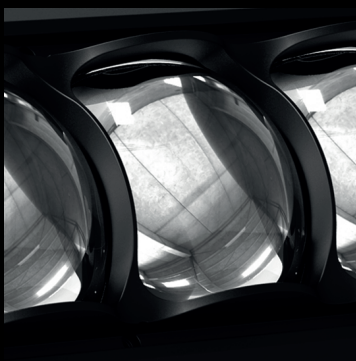
The versatile MAGICBLADE™FX is an exciting new iteration of Ayrton's award-winning MAGICBLADE™R, which has been sold by the thousand for use on major musical tours worldwide. This new MAGICBLADE™ is equipped with the revolutionary FX optical zoom system that has no visible moving parts and a fixed transmitting 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 via DMX-512 w/ RDM, ArtNet™, sACN or a wireless link with CRMX TiMo RDM from LumenRadio™.





## OPTICS

- Motorized linear zoom system, ratio 15:1
- Beam aperture: 3.6° to 53°
- High-efficiency optical system

## LIGHT SOURCE

- 7 multi-chip High-Power LED sources
- Light output: up to 3,800 lumens
- Luminous intensity: 620,000 cd
- Rated sources life: up to 25,000 hours
- Flicker-free source management, suitable for TV applications and all video recorded events

## MOVEMENT

- Continuous PAN and TILT rotation
- 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

## COLOURS

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

## 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
- Built-in pattern effects with speed and fade controls for scenic applications
- Information menu including hour counter, temperature & software version

## HARDWARE FEATURES

- Graphic LCD Display for setting address and special functions, with flip function
- 6 menu buttons to set functions
- Over-heating protection
- Integrated LumenRadio™ wireless CRMX TiMo RDM receiver
- 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 - 50/60Hz
- Power 400 W max

## COOLING SYSTEM

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

## HOUSING

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

## INSTALLATION

- Fastening bracket 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

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU

## SIZE

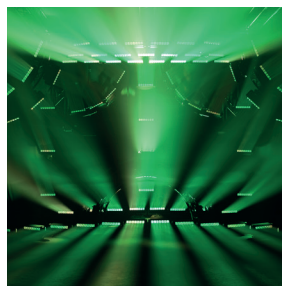
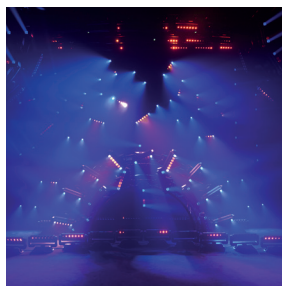
- Product: 612 x 312 x 191 mm (l x h x d)
- Flight-case foam: 677 x 370 x 250 mm (l x h x d)

## WEIGHT

- Product: 13.0 KG

## PRODUCT CODES

- 015350: MAGICBLADE-FX CREATIVE SOLUTION





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[www.ayrton.eu](http://www.ayrton.eu)