

# EAGLESTRIKE

Followmenal



**AYRTON**  
Digital Lighting



## EagleStrike Followmenal

EagleStrike was born from a bespoke request for a signature luminaire. It stands as the first LED-source followspot in Ayrton's range, engineered for intensive outdoor use across long distances where precision is paramount.



**A**n optional camera transforms EagleStrike into a fully automated tracking spotlight. To create this uncompromising and unmatched extreme-luminaire, Ayrton developed an oversized 270 mm front lens weighing 7.7 kg, delivering an ultra-intense 2.9 ° beam. Its proprietary 13-lens optical system offers a 15:1 zoom ratio and a working range of 2.9 ° to 43 °, with the ability to narrow the beam to 0.9 ° or 2.5 ° using dedicated gobo reducers.



### EagleStrike originated from a bespoke request for a signature luminaire

Equipped with a brand-new high-efficiency 1,200-watt LED module, EagleStrike outputs a luminous flux of 55,000 lumens at a colour temperature of 6500 K, and achieves a record-breaking illuminance of over 100,000 lux at 10 metres. The fixture introduces an entirely new ultra-fast CMY flag-based colour mixing system, capable of matching the speed of Ayrton's 'ultimate' series luminaires. A progressive CTO offers subtle tuning from 2900 K to 6500 K. The colour section includes six complementary colour filters, three CRI enhancement filters, one CTB filter, and one multi-colour filter.

**270 mm**  
Front lens



## A luminaire designed to heighten emotion

EagleStrike features a full-framing system with precise blade positioning across 100 % of the field, and +/- 90 ° rotation, allowing users to frame any object regardless of the luminaire's orientation.

The effects section combines two overlaying rotating gobo wheels, each equipped with seven gobos, a 15-blade iris diaphragm, and a single-colour effects wheel.



Illuminance at 10 m

**100,000 lx**

Native CRI

**> 70**

Zoom Aperture

**2.9 ° to 43 °**

Front Lens

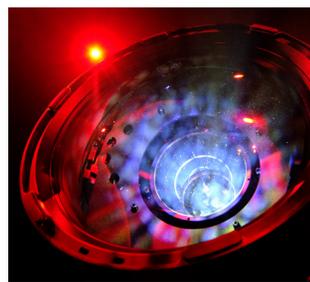
**270 mm**

Weight

**54.7 kg**



Camera enclosure  
prewired for  
**optional camera**

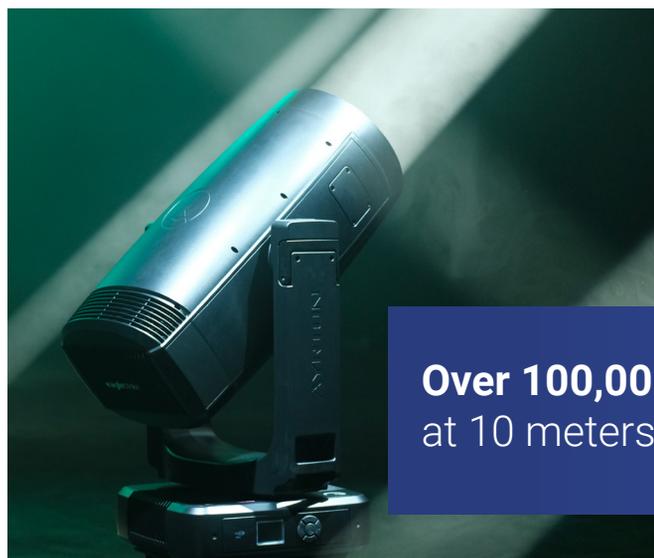


**EagleStrike is a followspot of absolute precision,**  
reinforcing an artist's stage presence at any distance



### **Agile, graphic and powerful, it opens new creative horizons**

Designed with a range of optical tools for sculpting the light, EagleStrike includes two Frost filters—one with light diffusion that softens edges without altering the beam angle, and a high-diffusion variant for wash applications—as well as two combinable rotating image-multiplier prisms: a 4-facet linear and a 5-facet circular. Its minimalist design integrates all waterproofing features while maintaining full access to internal components. A next-generation oversized cooling system ensures high efficiency, featuring three submersible fans located outside the sealed housing. Continuous rotation on the pan axis expands creative potential and facilitates use in automatic followspot mode. EagleStrike will exceed your expectations



**Over 100,000 lux**  
at 10 meters



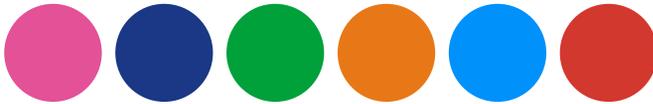
## Colours



CMY colour mixing system



Variable CTO



Magenta Congo Blue Green Orange Blue Red



CTB CTO 1/2 MG High CRI Filter Multi-color

## Gobos

Gobos Ø: 30 mm | Image Ø: 19 mm

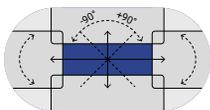
Rotating Gobos



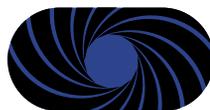
Framing system

Iris diaphragm

Frost filters



100% surface area



15% to 100% open



Light Heavy

Effects wheel



Monochromatic

Prisms

Dimmer

Strobe



Circular Linear

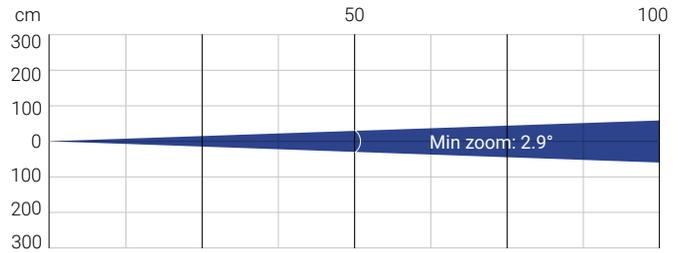


0 to 100 %

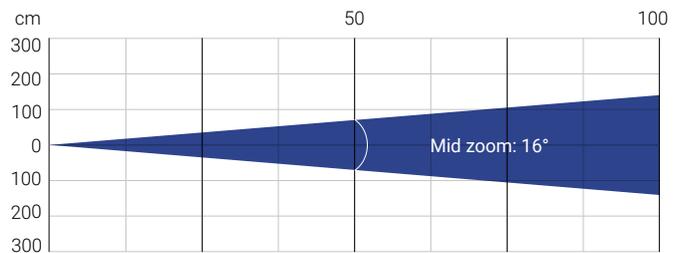


1 to 25 fl./sec.

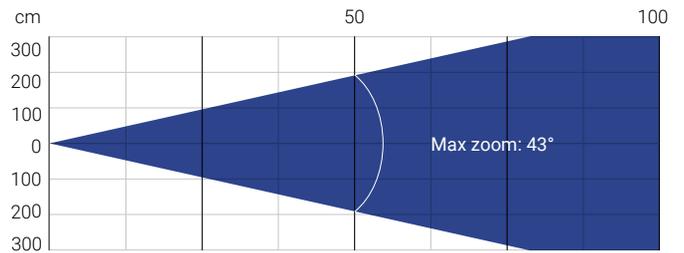
## Photometry



Distance (m)	5		20		50		100	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	440000	0.25	27500	1.01	4400	2.53	1100	5.06



Distance (m)	5		20		50		100	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	38800	1.41	2425	5.62	388	14.05	97	28.11



Distance (m)	5		20		50		100	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	5200	3.94	325	15.76	52	39.39	13	78.78

Total Flux	55,000 lm (mid zoom, STAGE mode)
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CCT @LED engine	8200 K (±250K)
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CCT @open	6500 K (±350K)
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Ra @open	70 (±2)
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TLCI	45
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TM-30	Rf: 69 / Rg: 93
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Fan Mode	Noise Level (dBA)	Flux (lm)
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Auto Mode	47	54,000
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Stage Mode	50	55,000
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Silence Mode	39	36,000
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Super Silence	36	30,000
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Note: noise measured @1m distance, static status, ambient 17 dBA. Integrating sphere measurement

## OPTICS

- 13-element 15:1 zoom high-resolution optic system
- Beam aperture: 2.9° to 43°
- Beam reducer : 0.9° & 2.5°
- Tempered anti-reflective coated lenses
- Oversize 270 mm frontal lens fro greater performance

## LIGHT SOURCE

- 82,000 lumens white light engine
- Total luminaire output: up to 55,000 lumens (integrating sphere measurement, Stage Fan mode)
- Lux at 10 m, over 100,000 lx (narrow angle)
- Colour temperature output: 6500 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source management suitable for TV applications and all video-recorded events

## MOVEMENT

- Extremely accurate positioning
- Moving-head operated via either 8- or 16-bit resolution
- Pan and tilt automatic repositioning
- Moving-head range: infinite (pan), 270° (tilt)

## COLOURS

- Sophisticated colour mix system providing CMY colour mixing
- Variable CTO colour temperature correction
- Fixed colour wheel with six complementary colours
- Fixed colour wheel with tree CRI optimisation filters, a CTB and multicolour filter

## GOBOS

- Indexable rotating gobo wheel with five high precision glass gobos, 2 beam reducers plus open position
- Indexable rotating gobo wheel with five metal gobos, 2 multicolor filters, plus open position
- Adjustable-speed rotating gobo in both directions
- Gobo diameter: 30 mm
- Image diameter: 19 mm
- Gobo thickness: 1.1 mm (Glass gobo), 0.5 mm (Metal gobo), 2.2 mm (Multicolour gobo)

## FRAMING SYSTEM

- 4 individually positionable shutter blades on a 100% surface area in all positions
- Rotation of the shutter blades module: +/- 90°

## IRIS DIAPHRAGM

- Fast iris diaphragm with adjustable dynamic effects
- Iris range: 15% to 100% open

## FROST

- Light frost (1°) to soften the edge pf the beam
- Heavy frost (5°) for Wash effects

## EFFECTS

- Focusable graphic animation effect-wheel with continuous rotation in both directions
- 2 combinable rotating and indexable prisms: one 5-facet circular, one 4-facet linear

## DIMMER / STROBE

- Electronic dimmer, allowing perfect light adjustment from 0 to 100% without colour variation
- 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
- 5 menu buttons to set functions
- Excess temperature protection
- Integrated wireless CRMX TiMo RDM receiver from LumenRadio
- IP65 XLR 5 pin male and female connectors for DMX connection
- IP65 RJ45 IN / OUT connectors for ArtNet and sACN connection
- IP65 PowerCON TRUE1 male connector for power connection
- Option for an IP65 NDI Camera holder

## CONTROL

- DMX 512 protocol, through IP65 DMX cable or a wireless system
- DMX-RDM compatible
- Stand-alone mode and Main/Follow modes
- ArtNet & sACN protocol through Ethernet cable
- Local control panel, with IP65 LCD display
- Choice of 3 DMX modes (from 44 to 66 DMX channels)

## POWER SUPPLY

- Electronic power supply with active PFC
- 100 to 240 Volts – 50/60Hz
- Power: 1,450 W maximum

## COOLING SYSTEM

- Advanced high-performance cooling system
- IP68 Self-adjusting variable speed fans for quiet operation
- Selectable ventilation user modes including Super Silent Mode
- Safety protection against excess temperature

## HOUSING

- Moving-head skeleton made of aluminium and steel metal plates
- Head in die-cast aluminium
- Base in die-cast aluminium
- Heatsinks in aluminium and copper
- Arms moulded covers in self-extinguishing fire retardant ABS PC (V0 class)
- Four-side handles for transportation
- Four heavy-duty feet for better stability
- IP65 protection rating
- Exterior finish: black (Carbon)

## INSTALLATION

- Fastening bracket system: two Omega ¼ turn brackets designed for use with standard clamps
- Mounting points: eight 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): -20° C (-4°F)
- Minimum usage distance: 6 m (19.68ft)

## COMPLIANCE

- EU (EMC & LVD):
- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU

## US (SAFETY & EMC)

- UL 1573
- FCC Part 15, Subpart B:2023

## SUBSTANCE RÉGULATIONS

- RoHS
- REACH
- CP65

## SIZE

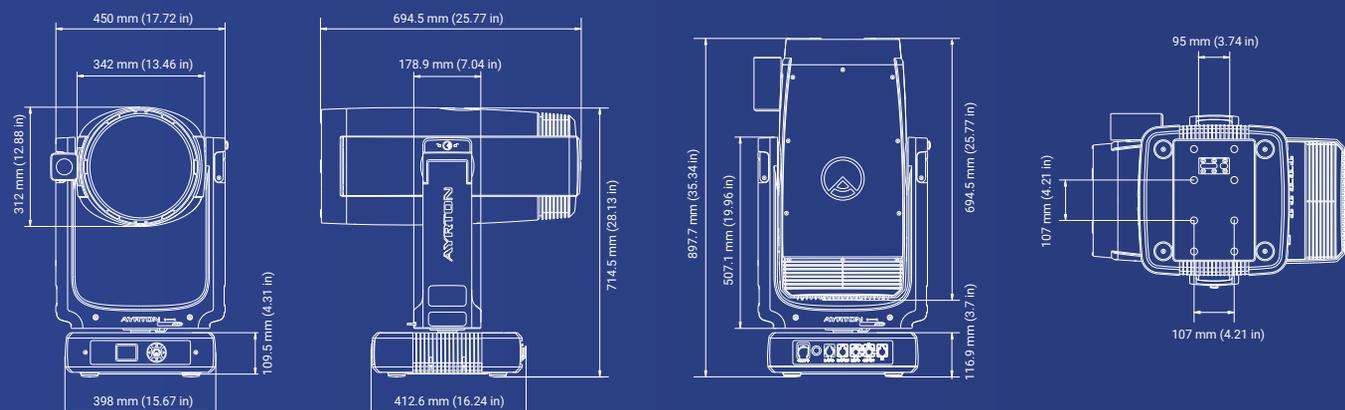
- Product: 450 x 898 x 413 mm (l x h x d)
- Flight-case: 560 x 690 x 770 mm (l x h x d)

## WEIGHT

- Product: 54.7 kg

## PRODUCT CODES

- 012840: EAGLESTRIKE - CLASSICAL IP65 9 SERIES





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

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