

MAC III AirFX™
MAC III Wash™



Martin®

MAC III mid-air and wash excellence!

The new **MAC III AirFX™** and **MAC III Wash™** join the **MAC III Profile™** and **MAC III Performance™** in Martin Professional's popular 1500-watt MAC III family! These high-performance, automated moving heads house the latest in Martin dynamic lighting technology with more than enough power to cut through stages glowing bright from intense video panels and creative LED.

MAC III AirFX™

The MAC III AirFX is a whole new category of light, a highly versatile mid-air effects luminaire capable of projecting a dense, hard-edge beam with stunning mid-air aerial effects. Its unique optical system allows it to adjust from a tight beam to a radiant wash instantly for greater design flexibility. Beam gobo projections can adjust along the entire zoom range for a refreshingly diverse variety of mid-air looks.

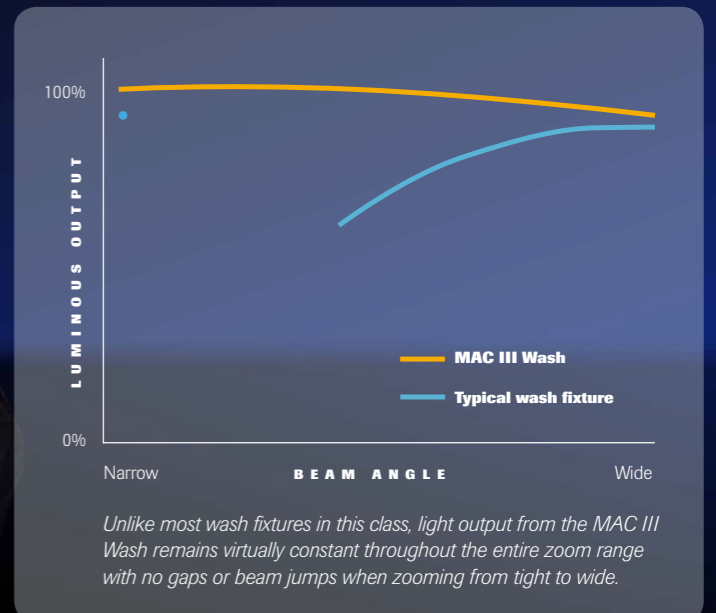
- 59,500 lm output
- Beam, mid-air effects and wash luminaire in one
- 10-47° linear zoom with linked focus
- 9" clear, precision PC lens (optional Fresnel)
- CMY color mixing plus color wheel
- Variable CTO
- 4 aerial effects - all rotating and replaceable
- Fade-in frost filter for wash effect
- Iris / Dimmer / Shutter



MAC III Wash™

The MAC III Wash is a full-feature, full-range wash luminaire with a unique internal barndoor system (shutters) that enables designers to shape and control light projection onto stages, performers, scenery, scrims or any set element with great precision. It features an outstanding quality of light with unlimited color choices and impressive power. Unlike other fixtures, light output remains constant throughout the entire zoom range with no visible beam jump when zooming from tight to wide.

- Powerful wash light with internal barndoors
- 1:4.5 linear zoom with no lumen drop or internal lens changes
- CMY color mixing plus color wheel
- Variable CTO
- Iris
- Dimmer / Shutter
- 9" Fresnel lens
- Optional PC lens



Unlike most wash fixtures in this class, light output from the MAC III Wash remains virtually constant throughout the entire zoom range with no gaps or beam jumps when zooming from tight to wide.

MAC III AirFX, MAC III Wash Specifications

Data is preliminary and subject to change without notice

Physical

Length (Head): 712 mm (28.0 in.)

Width: 536 mm (21.1 in.)

Height: 936 mm (36.9 in.)

Weight: 54.9 kg (121.0 lbs.)

Lamp

Type: 1500 W discharge

Color temperature: 6000 K

CRI (Color rendering index): >90

Average lifetime: 750 hours

Hot restrike: Semi-hot (restrike in under 90 seconds)

Socket: PGJ50

Ballast: Electronic

Dynamic Effects

MAC III AirFX

Color mixing: CMY, independently variable 0 - 100%

Color temperature control: CTO, variable 6000 - 3200 K

Color wheel: 7 interchangeable dichroic filters + open, indexing, continuous rotation, random color

Rotating aerial effects: Wheel with 4 interchangeable rotating aerial effects, effect indexing, continuous rotation and shake

Iris: Variable, pulse effects

Mechanical dimmer: 0 - 100%, choice of four dimming curves

Mechanical shutter: Strobe and pulse effects, instant open and blackout

Focus: 2 m (6.6 ft.) to infinity

Zoom: 1:5

Zoom-focus linking system: Automatic

Wash effect: Fade in/out

Pan: 540°

Tilt: 268°

Position correction system: Absolute position monitoring

MAC III Wash

Color mixing: CMY, independently variable 0 - 100%

Color temperature control: CTO, variable 6000 - 3200 K

Color wheel: 7 interchangeable dichroic filters + open, indexing, continuous rotation, random color

Beam shaping: Internal barn doors, continuously variable opening, +55°/-55° indexed rotation

Iris: Variable, pulse effects

Mechanical dimmer: 0 - 100%, choice of four dimming curves

Mechanical shutter: Strobe and pulse effects, instant open and blackout

Focus: 2 m (6.6 ft.) to infinity

Zoom: 1:4.5

Zoom-focus linking system: Automatic

Pan: 540°

Tilt: 268°

Position correction system: Absolute position monitoring

Control and Programming

Control systems: DMX, RDM

Setting and addressing: Control panel with backlit graphic display and jog wheel or via DMX

DMX compliance: USITT DMX512-A

RDM compliance: ANSI/ESTA E1.20

Receiver: Opto-isolated RS-485

Firmware update: USB memory device or USB/DMX hardware interface over DMX link

Service Utilities

Fixture identification: User-settable 12-digit ID number

Construction

Color(s): Black

Housing: Magnesium alloy, UV-resistant fiber-reinforced composite

Reflector: Glass, cold light

Protection rating: IP20

Installation

Mounting points: Four pairs of 1/4-turn locks

Orientation: Any

Minimum distance to illuminated surfaces: 2.5 m (8.2 ft.)

Minimum distance to combustible materials: 0.2 m (0.7 ft.)

Connections

AC power input: Neutrik PowerCon

DMX and RDM data in/out: 5-pin locking XLR

Ethernet (Artnet II compatible, ACN-ready): Neutrik RJ-45 socket (accepts Neutrik EtherCon connectors in housing)

USB memory devices: USB host socket

Electrical

AC power: 200-240 V nominal, 50/60 Hz

Power supply unit: Auto-ranging electronic switch-mode

Thermal

Cooling: Filtered forced air (temperature-regulated, low noise)

Maximum ambient temperature (Ta max.): 40° C (104° F)

Maximum surface temperature, steady state, Ta=40° C (104° F): 170° C (338° F)

Total heat dissipation (calculated, +/- 10% at 200 V, 60 Hz): 6200 BTU/hr

Approvals

EU safety: EN 60598-1, EN 60598-2-17

EU EMC: EN 55 015, EN 55 103-1, EN 61 547

US safety: ANSI/UL 1573

Canadian safety: CSA E60598-1, CSA E598-2-17

Included Items

Osram Lok-it HTI 1500W/60/P50 discharge lamp: P/N 97010348

Two Omega clamp attachment brackets with 1/4-turn fasteners: P/N 91602001

Accessories

Power cable, AWG12, SJT, with Neutrik PowerCon NAC3FCA input connector, 3 m (9.8 ft.): P/N 11541503

Neutrik PowerCon NAC3FCA power input connector, cable mount, blue: P/N 05342804

Omega clamp attachment bracket with 1/4-turn fasteners: P/N 91602001

T-shaped omega clamp attachment bracket with 1/4-turn fasteners: P/N 91602008

Half-coupler clamp: P/N 91602005

G-clamp (suspension with yoke vertically downwards only): P/N 91602003

Quick-trigger clamp (suspension with yoke vertically downwards only): P/N 91602007

Super Truss 20.5" mounting plate with half-couplers: P/N 91602014

Swing-wing truss mounting plate with half-couplers: P/N 91602010

Safety wire, safe working load 70 kg (154.3 lbs.): P/N 91604004

Flightcase for 1 x MAC III: P/N 91510080

Related Items

Martin USB Duo™ DMX Interface Box: P/N 90703010

Martin RDM 5.5 Splitter™: P/N 90758150

Ordering Information

MAC III AirFX

MAC III AirFX™ in cardboard box: P/N 90206500

MAC III AirFX™ in single flightcase: P/N 90206510

MAC III Wash

MAC III™ Wash in cardboard box: P/N 90206520

MAC III™ Wash in single flightcase: P/N 90206530

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Founded in 1987 and headquartered in Aarhus, Denmark, Martin lighting solutions are industry standard on tours and events, theatres, nightclubs, and major television studios around the world, as well as indoor and outdoor architecture and commercial applications. We maintain a presence in the USA, UK, Germany, Denmark, France, Italy and Singapore with associated companies in Japan, the Middle East, Hong Kong and Argentina. Martin operates the industry's most complete and capable distributor network with local partners in nearly 100 countries. Martin's parent company, Schouw & Co, is an industrial conglomerate with 2010 revenue of approximately 1.8 billion USD. For more information please visit www.martin.com

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