



GALLERY



MAC Viper AirFX

Both flexible and efficient, the MAC Viper AirFX is a new concept that combines hard-edge, mid-air effects and a beautiful wash field in one luminaire. Featuring a great selection of all-new gobo designs, hard-edge effects remain stunning across the fixture's entire 11 - 58° zoom range. Capable of snapping or fading into a wash light at any point, a unique and highly efficient optical system means the MAC Viper AirFX can offer the features of a profile at the output of a wash light.

The Viper AirFX has adopted the compact form, impressive speed, superior light quality and beautiful colors that the MAC Viper Profile is renowned for. It is also based on the same 1000-watt lamp for an output that convincingly exceeds any larger, heavier and more power-demanding 1500-watt profile fixture.

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1:5 zoom - Continuous and fast zoom with auto-linked focus

160 mm precision PC front lens for fat beam looks

FEATURES

- 35000 Lumens – excellent light quality with 6000K color temperature
- 1:5 zoom - Continuous and fast zoom with auto-linked focus
- 160 mm precision PC front lens for fat beam looks
- Frost - snap or fade-in for beautiful wash effect
- Rotating gobo wheel with 5 replaceable designs
- Static gobo wheel with 7 designs
- CMY – Vibrant color mixing with a superior palette of colors including true reds, rich ambers, primary green and deep blues
- Linear CTO – Daylight to tungsten CCT control and expansion of the CMY palette
- 7-slot color wheel – Static colors and correction filters for added color choice
- Dimmer and shutter - Combined dimmer/shutter system with intensity effects, instant blackout/open and smooth fades
- Iris – Fast and tight iris with adjustable dynamic effects
- Diverse strobe effects

TECHNICAL SPECIFICATIONS

Physical

Length (base): 472 mm (18.6 in.)

Length (Head): 566 mm (22.3 in.)

Width: 473 mm (18.6 in.)

Width (Base): 335 mm (13.2 in.)

Height (head straight up): 732 mm (28.8 in.)

Height (maximum): 749 mm (29.5 in.)

Weight: 35.7 kg (78.7 lbs.)

Minimum center-to-center distance in side-by-side installation: 650 mm (25.6 in.)

Dynamic Effects

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: 5 interchangeable rotating aerial effect gobos, wheel and gobo indexing, continuous rotation and shake
Static gobo wheel: Interchangeable wheel with 7 integral gobos, wheel indexing and continuous rotation, random gobo
Wash effect: Fade in/out
Iris: 0 - 100%, pulse effects
Mechanical dimmer/shutter: 0 - 100% continuous dimming, variable & random strobe & pulse effects, instant open & blackout
Dimming options: Choice of four dimming curves
Zoom: Motorized
Pan: 540°
Tilt: 268°
Position correction system: Absolute position monitoring

Control and Programming
DMX channels: 20/28
Setting and addressing: Control panel with backlit graphic display and jog wheel or via DMX
16-bit control: Dimmer, aerial effect indexing, focus, zoom, pan and tilt
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

Lamp

Type: 1000 W short-arc discharge
Color temperature: 6000 K
CRI (Color rendering index): >85
Average lifetime: 750 hours
Socket: PGJX36
Ballast: Electronic
Approved lamps: Osram Lok-it! 1000/PS Brilliant, Osram Lok-it! 1000W/PS VS1, Philips MSR Gold MiniFastFit 1000W

Optics

Zoom range: 11-58° (1:5)
Output: 35 000 lm

Service Utilities

Fixture identification: User-settable fixture ID number

Construction

Color(s): Black
Housing: UV-resistant fiber-reinforced composite
Reflector: Glass, cold light
Protection rating: IP20

Gobos

Size: E27 (Size E, max. image diameter 27 mm)
Approved material: Borosilicate 3.3 or better with dichroic or heavy matted aluminum coating (metal gobos not approved)
Outside diameter: 37.5 mm +0/- 0.2 mm (1.5 in. +0/- 0.01 in.)
Maximum image diameter: 27 mm (1.1 in.)
Maximum thickness: 1.1 mm +/- 0.1 mm (0.1 in. +/- 0.01 in.)

Installation

Mounting points: Eight quarter-turn locking points
Orientation: Any
Minimum distance to illuminated surfaces: 3.4 m (11.2 ft.)
Minimum distance to combustible materials: 0.3 m (1.0 ft.)

Connections

AC power input: Neutrik PowerCon
DMX and RDM data in/out: 5-pin locking XLR
USB memory devices: USB host socket

Electrical

AC power: 120-240 V nominal, 50/60 Hz
Power supply unit: Auto-ranging electronic switch-mode
Typical half-cycle RMS inrush current: 16.2 A

Typical Power and Current

120 V, 60 Hz: 1225 W, 10.3 A, PF 0.999
208 V, 60 Hz: 1190 W, 5.8 A, PF 0.996
230 V, 50 Hz: 1186 W, 5.2 A, PF 0.994
240 V, 50 Hz: 1194 W, 5.0 A, PF 0.993

Measurements made at nominal voltage. Allow for a deviation of +/- 10%.

PF = power factor:

Thermal

Cooling: Filtered forced air (temperature-regulated, low noise)
Maximum ambient temperature (Ta max.): 40° C (104° F)
Minimum ambient temperature (Ta min.): 5° C (41° F)
Maximum surface temperature, steady state, at 40° C ambient: 150° C (302° F)
Total heat dissipation (calculated, +/- 10% at 120 V, 60 Hz): 4180 BTU/hr

Approvals

EU safety: EN 60598-2-17 (EN 60598-1), EN 62471
EU EMC: EN 55015, EN 55103-1, EN 55103-2, EN 61547
US safety: UL 1573
US EMC: FCC Part 15 Class A
Canadian safety: CSA E598-2-17 (CSA E60598-1)
Canadian EMC: ICES-003 Class A
Australia/NZ: C-TICK N4241

Included Items

Lamp (installed): P/N 97010346
Two Omega clamp attachment brackets with 1/4-turn fasteners: P/N 91602001

Safety and installation manual:

Accessories

Power cable, 12 AWG, SJT, with Neutrik PowerCon NAC3FCA input connector, 3 m (9.9 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 (tube) 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
Safety cable, safe working load 70 kg (154 lbs.): P/N 91604004
Flightcase for 2 x MAC Viper: P/N 91510180

Related Items

Martin USB Duo™ DMX Interface Box: P/N 90703010
Martin RDM 5.5 Splitter™: P/N 90758150

Spare Parts

Osram HTI 1000/PS Lok-it lamp: P/N 97010346
Air filter, head, MAC Viper (sold in multiples of 12): P/N 20800270

Ordering Information

MAC Viper™ AirFX in cardboard box: P/N 90233030
MAC Viper™ AirFX in double flightcase: P/N 90233040

Shipping Information

In cardboard carton:

Shipping dimensions (LxWxH): 580 x 450 x 870 mm (22.9 x 17.8 x 34.3 in.)
Shipping weight: 39 kg (86.0 lbs.)
Quantity on pallet: 8 fixtures
Pallet dimensions (LxWxH): 1200 x 1000 x 1860 mm (47.3 x 39.4 x 73.3 in.)
Pallet weight (incl. pallet): 334 kg (736.4 lbs.)

In double flightcase:

Shipping dimensions (LxWxH): 1200 x 580 x 850 mm (47.3 x 22.9 x 33.5 in.)

