The MAC Viper Performance is a full-feature framing fixture that delivers an output and performance never before seen in a fixture this size or one using so little power. Unlike other fixtures in this class, the MAC Viper Performance does not forgo an iris or animation wheel - they are both included along with a framing system and rotating gobos.

The framing system consists of four shutter blades that can all individually adjust +/- 30° while the entire system can rotate +/- 55°. The exacting system can repeat each cue with great precision. When fully focused, gobos can be nicely framed with a soft edge. The MAC Viper Performance has adopted the compact form, impressive speed, superior light quality and beautiful colors that the MAC Viper Profile is renowned for and uses the same 1000-watt lamp.

- 26000 lumens   Excellent light quality with a very flat and uniform field
- 1:5 zoom   Fast zoom with auto-linked focus
- Fat beam front lens   The 140 mm front lens exceeds the size of any other fixture in this segment for just the right fat beam look
- 5 rotating gobos   all glass gobos with only a slight focal separation to the framing system
- Four shutter blades individually adjust +/- 30° while the entire system rotates +/- 55°. Repeats cues with great precision
- Animation wheel with continuous bi-directional rotation
- CMY   Vibrant color mixing with a superior palette of colors including true reds, rich ambers, primary green and deep blues
- 7-slot color wheel   fixed colors for added color choice
- Linear CTO   Daylight to tungsten CCT control and expansion of the CMY palette
- 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
- Strobe   Diverse strobe effects using mechanical or electronic control or in combination
- Soft frost   leaves gobo artwork visible with a beautiful soft edge. Includes a linear focus blurring option
- 4-facet prism   Real beam separation with rotation and index control for dynamic effects and accurate tiling

Physical
Length (Head): 566 mm (22.3 in.)
Width: 472 mm (18.6 in.)
Width (Base): 335 mm (13.2 in.)
Height (head straight up): 731 mm (28.8 in.)
Height (maximum): 748 mm (29.4 in.)
Weight: 37.1 kg (81.8 lbs.)

Lamp
Approved lamp: Osram HTI 1000/PS Lok-it
Type: 1000 W short-arc discharge
Color temperature: 6000 K
CRI (Color rendering index): >85
Average lifetime: 750 hours
Socket: PGJ28 Lok-it
Ballast: Electronic

Dynamic Effects
Color mixing: CMY, independently variable 0 - 100%

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Color temperature control: CTO, variable 6000 - 3200 K
Color wheel: 5 interchangeable dichroic filters + open, indexing, continuous rotation, random color
Aerial wheel: 5 interchangeable texture/breakup gobos + open, indexing, continuous rotation and shake
Gobo animation: Interchangeable animation wheel, indexing, continuous rotation with variable angle, speed and direction
Framing: Rotatable framing module, +/- 55°, with 4 individually controllable blades
Prism: Interchangeable 4-facet rotating prism
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
Focus: Range varies with zoom angle, from 2 m (6.6 ft.) / 6 m (19.7 ft.) to infinity (approx.)
Zoom: 10° - 44°
Zoom-focus linking system: 3-zone
Pan: 540°
Tilt: 268°
Position correction system: Absolute position monitoring

Control and Programming
DMX channels: TBA
Setting and addressing: Control panel with backlit graphic display and jog wheel or via DMX
16-bit control: TBA
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 fixture ID number

Photometric Data
Max. total output: 26 000 lm
Cutoff angles: 10° - 44°
Preliminary data

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 (1.5 in.) +0/- 0.2 mm (0.01 in.)
Maximum image diameter: 27 mm (1.1 in.)
Maximum thickness: 1.1 mm (0.04 in.) +/- 0.1 mm (0.004 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, Ta=40° C (104° F): 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: **P/N 35000258**

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**
Safety wire, safe working load 50 kg (110.2 lbs.): **P/N 91604003**
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

Replacement lamp: **P/N 97010346**
Head air filter

Ordering Information

MAC Viper ™ Performance in cardboard box: **P/N 90233100**
MAC Viper ™ Performance in double flightcase: **P/N 90233110**

Shipping Information

In cardboard carton
Shipping dimensions (LxWxH): **580 mm (22.8 in.) x 450 mm (17.7 in.) x 870 mm (34.3 in.)**
Shipping weight: **41 kg (90.4 lbs.)**
Quantity on pallet: **8 fixtures**
Pallet dimensions (LxWxH): **1200 mm (47.2 in.) x 1000 mm (39.4 in.) x 1860 mm (73.2 in.)**
Pallet weight (incl. pallet): **350 kg (771.6 lbs.)**
In double flightcase
Shipping dimensions (LxWxH): **1200 mm (47.2 in.) x 580 mm (22.8 in.) x 850 mm (33.5 in.)**
Shipping weight: **74 kg (163.1 lbs.)**
Quantity on pallet: **4 fixtures**
Pallet dimensions (LxWxH): **1200 mm (47.2 in.) x 1220 mm (48.0 in.) x 1010 mm (39.8 in.)**
Pallet weight (incl. pallet): **310 kg (683.4 lbs.)**

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