



This unique beam fixture with linear zoom system projects a super-narrow pencil beam of high intensity light and is available as an easy-to-install front lens replacement kit for any standard MAC Viper AirFX. Ideal for big beam effects and long throws, it houses the same high-quality feature set as the MAC Viper AirFX, including a vibrant color mixing system and stunning aerial effects, and has inherited the same compact form, impressive speed and superior light quality from a 1000-watt lamp.

- High intensity pencil beam for long throws
- Continuous zoom with auto-linked focus
- Front lens replacement kit - easy installation on any MAC Viper AirFX
- Easy conversion back to a standard MAC Viper AirFX
- Eliminates need to invest in a new fixture
- 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
- Rotating gobo wheel with 5 replaceable designs
- Static gobo wheel with 7 designs
- 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
- Diverse strobe effects

**Physical** Length (Head): 701 mm (27.6 in.)  
 Width: 473 mm (18.6 in.)  
 Width (Base): 335 mm (13.2 in.)  
 Height (head straight up): 866 mm (34.1 in.)  
 Height (maximum): 885 mm (34.8 in.)  
 Weight: 37.6 kg (82.9 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: PGJX36  
 Ballast: Electronic

**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

**Service Utilities**

Fixture identification: User-settable fixture ID number

**Photometric Data**

Max. total output: 28 500 lm  
 Cutoff angles: 7.5° - 31°  
*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.) +/- 0.2 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

<b>Included Items</b>	Lamp (installed): P/N 97010346 Two Omega clamp attachment brackets with 1/4-turn fasteners: P/N 91602001 Safety and installation manual
<b>Accessories</b>	Power cable, 12 AWG, 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 cable, safe working load 50 kg (110.2 lbs.): P/N 91604003 Flightcase for 2 x MAC Viper: P/N 91510180
<b>Related Items</b>	Martin USB Duo™ DMX Interface Box: P/N 90703010 Martin RDM 5.5 Splitter™: P/N 90758150
<b>Spare Parts</b>	Osram HTI 1000/PS Lok-it lamp: P/N 97010346 Head air filter
<b>Ordering Information</b>	MAC Viper™ Beam Kit: P/N 91614053
<b>Shipping Information</b>	<b>In cardboard carton</b> Shipping dimensions (LxWxH): 580 mm (22.8 in.) x 450 mm (17.7 in.) x 870 mm (34.3 in.) Shipping weight: 39 kg (86.0 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): 334 kg (736.3 lbs.) <b>In double flightcase</b> Shipping dimensions (LxWxH): 1200 mm (47.2 in.) x 580 mm (22.8 in.) x 850 mm (33.5 in.) Shipping weight: 70 kg (154.3 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): 302 kg (665.8 lbs.)

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