



GALLERY



MAC Viper Quadray

The MAC Viper Quadray is a never-before-seen, multiple-beam effect that adds a whole new dimension to the lighting designer toolbox. Available as an easy-to-install front lens replacement kit for any standard MAC Viper AirFX, the Quadray allows for projection of 1, 2, 3 or 4 individually-controllable rays of light for all-new static or dynamic possibilities in mid-air effects. It includes an efficient effects engine that allows designers to create a whole new variety of looks that would otherwise be hard, or even impossible, to program via a lighting console.

The MAC Viper Quadray 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.

Front lens replacement kit - Easy installation on any MAC Viper AirFX

Unique and award-winning multi-beam effect

1, 2, 3 or 4 individually-controllable rays of light

FEATURES

- Front lens replacement kit - Easy installation on any MAC Viper AirFX
- Unique and award-winning multi-beam effect
- 1, 2, 3 or 4 individually-controllable rays of light
- 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 and correction filters 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

TECHNICAL SPECIFICATIONS

Physical

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: 36.1 kg (79.6 in.)

Dynamic Effects

Beam effects: 1 - 4 individually controllable rotating beams
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: 12.5-51° (1:4)
Output: 20 000 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

Quadray™ Module for MAC Viper™: P/N 91614052

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.)

Shipping weight: 70 kg (154.4 lbs.)

Quantity on pallet: 4 fixtures

