



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

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

Physical Length (Head): 566 mm
Width: 473 mm
Width (Base): 335 mm
Height (head straight up): 732 mm
Height (maximum): 749 mm
Weight: 36.1 kg

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 HTI 1000/PS Lok-it, Philips MSR Gold MiniFastFit 1000W

Dynamic Effects	<p>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</p>
Control and Programming	<p>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</p>
Service Utilities	<p>Fixture identification: User-settable fixture ID number</p>
Construction	<p>Color(s): Black Housing: UV-resistant fiber-reinforced composite Reflector: Glass, cold light Protection rating: IP20</p>
Gobos	<p>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 +/- 0.2 mm Maximum image diameter: 27 mm Maximum thickness: 1.1 mm +/- 0.1 mm</p>
Installation	<p>Mounting points: Eight quarter-turn locking points Orientation: Any Minimum distance to illuminated surfaces: 3.4 m Minimum distance to combustible materials: 0.3 m</p>
Connections	<p>AC power input: Neutrik PowerCon DMX and RDM data in/out: 5-pin locking XLR USB memory devices: USB host socket</p>
Electrical	<p>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</p>
Typical Power and Current	<p>120 V, 60 Hz: 1225 W, 10.3 A, PF 0.999</p>

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
Minimum ambient temperature (Ta min.): 5° C
Maximum surface temperature, steady state, Ta=40° C: 150° C
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): 97010346
Two Omega clamp attachment brackets with 1/4-turn fasteners: 91602001
Safety and installation manual:

Related Items Martin USB Duo™ DMX Interface Box: 90703010
Martin RDM 5.5 Splitter™: 90758150

Spare Parts Osram HTI 1000/PS Lok-it lamp: 97010346
Head air filter:

Ordering Information Quadray™ Module for MAC Viper™: 91614052

Shipping Information **In cardboard carton**
Shipping dimensions (LxWxH): 580 mm x 450 mm x 870 mm
Shipping weight: 39 kg
Quantity on pallet: 8 fixtures
Pallet dimensions (LxWxH): 1200 mm x 1000 mm x 1860 mm
Pallet weight (incl. pallet): 334 kg
In double flightcase
Shipping dimensions (LxWxH): 1200 mm x 580 mm x 850 mm
Shipping weight: 70 kg
Quantity on pallet: 4 fixtures

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