

MAC Viper Series™

Martin®

The New Family with a Bite!

The new Viper family of MAC moving heads from Martin Professional is a whole new breed of high-performance luminaire with the qualities of a better industry workhorse.



The MAC Viper features an aggressive combination of intense light output from advanced lamp technology and an innovative feature set on the leading edge of the evolutionary scale. All in a slender, agile body that moves deceptively fast!

The MAC Viper family introduces new patented technologies and a cutting-edge, 1000-watt HID source that is both blindingly bright and economically efficient. Convincingly brighter than 1200-watt fixtures, the MAC Viper also outperforms them in terms of speed and compactness - a true 1200-watt replacement that no other light in its class can match!

The Viper family encompasses a complete series of automated fixtures in multiple variants.



A new breed
of moving head
has arrived!

MAC Viper Profile™

MAC Viper AirFX™

MAC Viper Wash™

MAC Viper Performance™



MAC Viper Profile™

The MAC Viper Profile is a high-output profile luminaire with an exceptional feature set and highly efficient optical system that outperforms any market-leading profile in the 1200-watt range.

Via cutting-edge engineering and advanced production methods, Martin's team of engineers has managed to produce a fixture that is smaller, lighter and faster. Power consumption is lower and output is approximately 55% more efficient than the 1200-watt fixtures it replaces.

- **26000 lumens**
Excellent light quality with a very flat and uniform field
- **1:5 zoom**
Incredibly fast zoom with auto-linked focus
- **5+5 rotating gobos**
All glass with optimal focal separation for superior morphing effects
- **Effect wheel**
Patent-pending effect wheel provides an additional 4 fixed gobos and 135° animation effect
- **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 CMY palette
- **8-slot color wheel**
Fixed colors 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
- **Strobe**
Diverse strobe effects using mechanical or electronic control or in combination
- **Soft frost**
A light, fade in frost leaves the 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
- **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

MAC Viper AirFX™

The MAC Viper AirFX is a whole new category of highly versatile luminaire capable of projecting stunning mid-air aerial effects. Its unique optical system allows it to adjust from a tight, hard-edge beam to a radiant wash instantly for greater design flexibility.

- **Beam, mid-air effects and wash luminaire in one**
- **1:5 linear zoom with no internal lens changes**
- **Auto-linked focus on all aerial effects**
- **Rotating and fixed aerial effects**
- **CMY color mixing**
- **Variable CTO**
- **Fixed colors**
- **Fat beam**
- **Iris**
- **Dimmer / Shutter**
- **Large, clear, precision PC lens for great contrast and less spill**
- **Optional Fresnel lens**
- **Fade in wash filter**

Specifications

Physical	Typical Power and Current
Length (Head): 566 mm (22.3 in.)	120 V, 60 Hz: 1225 W, 10.3 A, PF 0.999
Width: 472 mm (18.6 in.)	208 V, 60 Hz: 1190 W, 5.8 A, PF 0.996
Width (Base): 335 mm (13.2 in.)	230 V, 50 Hz: 1186 W, 5.2 A, PF 0.994
Height (head straight up): 731 mm (28.8 in.)	240 V, 50 Hz: 1194 W, 5.0 A, PF 0.993
Height (maximum): 748 mm (29.4 in.)	<i>Measurements made at nominal voltage. Allow for a deviation of +/- 10%. PF = power factor</i>
Weight: 36 kg (79.4 lbs.)	
Lamp	Thermal
Approved lamp: Osram HTI 1000/PS Lok-it	Cooling: Filtered forced air (temperature-regulated, low noise)
Type: 1000 W short-arc discharge	Maximum ambient temperature (Ta max.): 40° C (104° F)
Color temperature: 6000 K	Minimum ambient temperature (Ta min.): 5° C (41° F)
CRI (Color rendering index): >85	Maximum surface temperature, steady state, Ta=40° C (104° F): 150° C (302° F)
Average lifetime: 750 hours	Total heat dissipation (calculated, +/- 10% at 120 V, 60 Hz): 4180 BTU/hr
Socket: PGJ28 Lok-it	
Ballast: Electronic	
Dynamic Effects	Approvals
Color mixing: CMY, independently variable 0 - 100%	EU safety: EN 60598-2-17 (EN 60598-1), EN 62471
Color temperature control: CTO, variable 6000 - 3200 K	EU EMC: EN 55015, EN 55103-1, EN 55103-2, EN 61547
Color wheel: 8 interchangeable dichroic filters + open, indexing, continuous rotation, random color	US safety: UL 1573
Aerial wheel: 5 interchangeable aerial effects + open, indexing, continuous rotation and shake	US EMC: FCC Part 15 Class A
Breakup wheel: 5 interchangeable texture/breakup gobos + open, indexing, continuous rotation and shake	Canadian safety: CSA E598-2-17 (CSA E60598-1)
FX wheel: Interchangeable static gobo and gobo animation effects	Canadian EMC: ICES-003 Class A
Prism: Interchangeable 4-facet rotating prism	Australia/NZ: C-TICK N4241
Iris: 0 - 100%, pulse effects	
Frost: Frost filter	Included Items
Mechanical dimmer/shutter: 0 - 100% continuous dimming, variable & random strobe & pulse effects, instant open & blackout	Lamp (installed): P/N 97010346
Dimming options: Choice of four dimming curves	Two Omega clamp attachment brackets with 1/4-turn fasteners: P/N 91602001
Focus: Range varies with zoom angle, from 2 m (6.6 ft.) / 6 m (19.7 ft.) to infinity (approx.)	Safety and installation manual: P/N 35000258
Zoom: 10° - 44°	
Zoom-focus linking system: 3-zone	Accessories
Pan: 540°	Power cable, AWG12, SJT, with Neutrik PowerCon NAC3FCA input connector, 3 m (9.8 ft.): P/N 11541503
Tilt: 268°	Neutrik PowerCon NAC3FCA power input connector, cable mount, blue: P/N 05342804
Position correction system: Absolute position monitoring	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
Control and Programming	Related Items
DMX channels: 26/34	Martin USB Duo™ DMX Interface Box: P/N 90703010
Setting and addressing: Control panel with backlit graphic display and jog wheel or via DMX	
16-bit control: Aerial, breakup and texture effect rotation and indexing, focus, zoom, pan and tilt	
DMX compliance: USITT DMX512-A	Spare Parts
RDM compliance: ANSI/ESTA E1.20	Replacement lamp: P/N 97010346
Receiver: Opto-isolated RS-485	Head air filter
Firmware update: USB memory device or USB/DMX hardware interface over DMX link	
	Ordering Information
Service Utilities	MAC Viper™ Profile in cardboard box: P/N 90233000
Fixture identification: User-settable fixture ID number	MAC Viper™ Profile in double flightcase: P/N 90233010
Construction	
Color(s): Black	
Housing: UV-resistant fiber-reinforced composite	
Reflector: Glass, cold light	
Protection rating: IP20	
Installation	
Mounting points: Eight quarter-turn locking points	
Orientation: Any	
Minimum distance to illuminated surfaces: 1.6 m (5.2 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	

Martin Professional A/S Olof Palmes Allé 18 • 8200 Aarhus N • Denmark • Phone: +45 87 40 00 00 • Fax: +45 87 40 00 10 • www.martin.com



Founded in 1987 and headquartered in Aarhus, Denmark, Martin lighting solutions are industry standard on tours and events, theatres, nightclubs, and major television studios around the world, as well as indoor and outdoor architecture and commercial applications. We maintain a presence in the USA, UK, Germany, Denmark, France, Italy and Singapore with associated companies in Japan, the Middle East, Hong Kong and Argentina. Martin operates the industry's most complete and capable distributor network with local partners in nearly 100 countries. Martin's parent company, Schouw & Co, is an industrial conglomerate with 2010 revenue of approximately 1.8 billion USD. For more information please visit www.martin.com

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