



GALLERY



# MAC Viper Profile

The MAC Viper Profile is a new breed of high-output profile luminaire with an exceptional feature set, superior light quality and a highly efficient optical system. It outperforms all market-leading profiles in the 1200-watt range and is even an alternative to 1500-watt fixtures. The Viper Profile is not only brighter, it is also a faster and more compact solution. With its 1000-watt HID source, the Viper consumes less power, making it over 50% more efficient than its 1200-watt rivals.

26000 Lumens – Excellent light quality with a very flat and uniform field and 6000K color temperature

1:4 zoom – Fast zoom with auto-linked focus

Large aperture front lens – The 140 mm front lens exceeds the size of any other fixture in this segment for just the right fat beam look

## FEATURES

- 26000 Lumens – Excellent light quality with a very flat and uniform field and 6000K color temperature
- 1:4 zoom – Fast zoom with auto-linked focus
- Large aperture front lens – The 140 mm front lens exceeds the size of any other fixture in this segment for just the right fat beam look
- 2 x 5-slot rotating gobo wheels - All glass gobos with optimal focal separation for superior morphing effects
- FX wheel – Patent-pending FX 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
- 8-slot color wheel – Static colors and correction filters for added color choice and bump effects
- 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 – A light 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

## TECHNICAL SPECIFICATIONS

### 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 (29.5 in.)  
Weight: 37.2 kg (82.0 lbs.)

### Dynamic Effects

Color mixing: CMY, independently variable 0 - 100%  
Color temperature control: CTO, variable 6000 - 3200 K  
Color wheel: 8 interchangeable dichroic filters + open, indexing, continuous rotation, random color

Aerial wheel: 5 interchangeable aerial effects + open, indexing, continuous rotation and shake  
Breakup wheel: 5 interchangeable texture/breakup gobos + open, indexing, continuous rotation and shake  
FX wheel: Interchangeable static gobo and gobo animation effects  
Prism: Interchangeable 4-facet rotating prism  
Iris: 0 - 100%, pulse effects  
Frost: Frost filter  
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 m to infinity (approx.)  
Zoom-focus linking system: 3-zone  
Zoom: Motorized  
Pan: 540°  
Tilt: 268°  
Position correction system: Absolute position monitoring

#### Control and Programming

DMX channels: 26/34  
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  
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: 10-44° (1:4)  
Output: 26 000 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: P/N 35000258

#### 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

MAC Viper™ Profile in cardboard box: P/N 90233000  
MAC Viper™ Profile in double flightcase: P/N 90233010

#### 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: 41 kg (90.4 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): 350 kg (771.7 lbs.)

##### In double flightcase:

