



**Both flexible and efficient, the MAC Viper AirFX is a new concept that combines hard-edge, mid-air effects and a beautiful wash field in one luminaire. Featuring a great selection of all-new gobo designs, hard-edge effects remain stunning across the fixture's entire 11 - 59° zoom range. Capable of snapping or fading into a wash light at any point, a unique and highly efficient optical system means the MAC Viper AirFX can offer the features of a profile at the output of a wash light.**

**The Viper AirFX has adopted the compact form, impressive speed, superior light quality and beautiful colors that the MAC Viper Profile is renowned for. It is also based on the same 1000-watt lamp for an output that convincingly exceeds any larger, heavier and more power-demanding 1500-watt profile fixture.**

34500 Lumens – excellent light quality with 6000K color temperature

1:5 zoom - Continuous and fast zoom with auto-linked focus

160 mm precision PC front lens for fat beam looks

Frost - snap or fade-in for beautiful wash effect

Rotating gobo wheel with 5 replaceable designs

Static gobo wheel with 7 designs

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 the CMY palette

7-slot color wheel – Static colors and correction filters 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

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: 35.7 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

<b>Dynamic Effects</b>	<p>Color mixing: CMY, independently variable 0 - 100%</p> <p>Color temperature control: CTO, variable 6000 - 3200 K</p> <p>Color wheel: 7 interchangeable dichroic filters + open, indexing, continuous rotation, random color</p> <p>Rotating aerial effects: 5 interchangeable rotating aerial effect gobos, wheel and gobo indexing, continuous rotation and shake</p> <p>Static gobo wheel: Interchangeable wheel with 7 integral gobos, wheel indexing and continuous rotation, random gobo</p> <p>Wash effect: Fade in/out</p> <p>Position correction system: Absolute position monitoring</p> <p>Iris: 0 - 100%, pulse effects</p> <p>Mechanical dimmer/shutter: 0 - 100% continuous dimming, variable &amp; random strobe &amp; pulse effects, instant open &amp; blackout</p> <p>Dimming options: Choice of four dimming curves</p> <p>Zoom: Motorized</p> <p>Pan: 540°</p> <p>Tilt: 268°</p>
<b>Control and Programming</b>	<p>DMX channels: 20/28</p> <p>Setting and addressing: Control panel with backlit graphic display and jog wheel or via DMX</p> <p>16-bit control: Dimmer, aerial effect indexing, focus, zoom, pan and tilt</p> <p>DMX compliance: USITT DMX512-A</p> <p>RDM compliance: ANSI/ESTA E1.20</p> <p>Receiver: Opto-isolated RS-485</p> <p>Firmware update: USB memory device or USB/DMX hardware interface over DMX link</p>
<b>Service Utilities</b>	<p>Fixture identification: User-settable fixture ID number</p>
<b>Photometric Data</b>	<p>Max. total output: 34 500 lm</p> <p>Cutoff angles: 11° - 59°</p> <p><i>Preliminary data</i></p>
<b>Construction</b>	<p>Color(s): Black</p> <p>Housing: UV-resistant fiber-reinforced composite</p> <p>Reflector: Glass, cold light</p> <p>Protection rating: IP20</p>
<b>Gobos</b>	<p>Size: E27 (Size E, max. image diameter 27 mm)</p> <p>Approved material: Borosilicate 3.3 or better with dichroic or heavy matted aluminum coating (metal gobos not approved)</p> <p>Outside diameter: 37.5 mm +/- 0.2 mm</p> <p>Maximum image diameter: 27 mm</p> <p>Maximum thickness: 1.1 mm +/- 0.1 mm</p>
<b>Installation</b>	<p>Mounting points: Eight quarter-turn locking points</p> <p>Orientation: Any</p> <p>Minimum distance to illuminated surfaces: 3.4 m</p> <p>Minimum distance to combustible materials: 0.3 m</p>
<b>Connections</b>	<p>AC power input: Neutrik PowerCon</p> <p>DMX and RDM data in/out: 5-pin locking XLR</p> <p>USB memory devices: USB host socket</p>
<b>Electrical</b>	<p>AC power: 120-240 V nominal, 50/60 Hz</p> <p>Power supply unit: Auto-ranging electronic switch-mode</p> <p>Typical half-cycle RMS inrush current: 16.2 A</p>

<b>Typical Power and Current</b>	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 <i>Measurements made at nominal voltage. Allow for a deviation of +/- 10%. PF = power factor</i>
<b>Thermal</b>	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
<b>Approvals</b>	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): 97010346 Two Omega clamp attachment brackets with 1/4-turn fasteners: 91602001 Safety and installation manual:
<b>Related Items</b>	Martin USB Duo™ DMX Interface Box: 90703010 Martin RDM 5.5 Splitter™: 90758150
<b>Spare Parts</b>	Osram HTI 1000/PS Lok-it lamp: 97010346 Head air filter:
<b>Ordering Information</b>	MAC Viper™ AirFX in cardboard box: 90233030 MAC Viper™ AirFX in double flightcase: 90233040
<b>Shipping Information</b>	<b>In cardboard carton</b> 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 <b>In double flightcase</b> Shipping dimensions (LxWxH): 1200 mm x 580 mm x 850 mm

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