



The MAC Viper Wash DX is a full-feature, full-range wash luminaire with a unique internal barndoor system (shutters) that enables designers to shape and control light projection onto stages, performers, scenery, scrims or any set element with great precision. The fixture's internal framing system makes it a highly capable, automated substitute for a conventional daylight Fresnel fixture.

The MAC Viper Wash DX features an outstanding quality of light with unlimited color choices and maintains near full efficiency throughout its entire zoom range with no visible beam jump when zooming from tight to wide. The fixture has adopted the compact form, impressive speed, superior light quality and beautiful colors that the MAC Viper Profile is renowned for and uses the same 1000-watt lamp.

33000 Lumens – Excellent light quality with a uniform field and 6000K color temperature

1:5 zoom - Continuous and fast

Internal barndoor system – 1 pair of indexing shutters

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 and bump effects

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, complementing the barndoor system

Diverse strobe effects

Physical Length (Head): 566 mm
Width: 472 mm
Width (Base): 335 mm
Height (head straight up): 731 mm
Height (maximum): 748 mm
Weight: 34.7 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

Dynamic Effects Color mixing: CMY, independently variable 0 - 100%
Color temperature control: CTO, variable 6000 - 3200 K

	<p>Color wheel: 7 interchangeable dichroic filters + open, indexing, continuous rotation, random color</p> <p>Beam shaping: Internal barn doors, continuously variable opening, indexed rotation</p> <p>Iris: 0 - 100%, pulse effects</p> <p>Mechanical dimmer/shutter: 0 - 100% continuous dimming, variable & random strobe & pulse effects, instant open & blackout</p> <p>Dimming options: Choice of four dimming curves</p> <p>Pan: 540°</p> <p>Tilt: 268°</p> <p>Position correction system: Absolute position monitoring</p>
Control and Programming	<p>DMX channels: TBA</p> <p>Setting and addressing: Control panel with backlit graphic display and jog wheel or via DMX</p> <p>16-bit control: TBA</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>
Service Utilities	<p>Fixture identification: User-settable fixture ID number</p>
Photometric Data	<p>Max. total output: 33 000 lm</p> <p>Beam angle: 13.5° - 59°</p> <p><i>Preliminary data</i></p>
Construction	<p>Color(s): Black</p> <p>Housing: UV-resistant fiber-reinforced composite</p> <p>Reflector: Glass, cold light</p> <p>Protection rating: IP20</p>
Installation	<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>
Connections	<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>
Electrical	<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>
Typical Power and Current	<p>120 V, 60 Hz: 1225 W, 10.3 A, PF 0.999</p> <p>208 V, 60 Hz: 1190 W, 5.8 A, PF 0.996</p> <p>230 V, 50 Hz: 1186 W, 5.2 A, PF 0.994</p> <p>240 V, 50 Hz: 1194 W, 5.0 A, PF 0.993</p> <p><i>Measurements made at nominal voltage. Allow for a deviation of +/- 10%.</i></p> <p><i>PF = power factor</i></p>
Thermal	<p>Cooling: Filtered forced air (temperature-regulated, low noise)</p> <p>Maximum ambient temperature (Ta max.): 40° C</p> <p>Minimum ambient temperature (Ta min.): 5° C</p> <p>Maximum surface temperature, steady state, Ta=40° C: 150° C</p> <p>Total heat dissipation (calculated, +/- 10% at 120 V, 60 Hz): 4180 BTU/hr</p>
Approvals	<p>EU safety: EN 60598-2-17 (EN 60598-1), EN 62471</p>

EU EMC: EN 55015, EN 55103-1, EN 55103-2, EN 61547
US safety (pending): UL 1573
US EMC: FCC Part 15 Class A
Canadian safety (pending): 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: 35000258

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 MAC Viper™ Wash DX in cardboard box: 90233070
MAC Viper™ Wash DX in 2-unit flightcase: 90233080

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
Pallet dimensions (LxWxH): 1200 mm x 1220 mm x 1010 mm
Pallet weight (incl. pallet): 302 kg

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