



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 flat and uniform field
- 1:5 zoom - 13.5 to 59° continuous and fast zoom
- Internal barndoor system (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
- 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 (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 (29.4 in.)
 Weight: 34.7 kg (76.5 lbs.)

Lamp Approved lamp: Osram HTI 1000/PS Lok-it
 Type: 1000 W short-arc discharge
 Color temperature: 6000 K
 CRI (Color rendering index): >85
 Average lifetime: 750 hours
 Socket: PGJX36
 Ballast: Electronic

Dynamic Effects 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
 Beam shaping: Internal barn doors, continuously variable opening, indexed rotation
 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
 Pan: 540°

Tilt: 268°
Position correction system: Absolute position monitoring

Control and Programming	DMX channels: TBA Setting and addressing: Control panel with backlit graphic display and jog wheel or via DMX 16-bit control: TBA 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
Service Utilities	Fixture identification: User-settable fixture ID number
Photometric Data	Max. total output: 33 000 lm Beam angle: 13.5° - 59° <i>Preliminary data</i>
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: 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 <i>Measurements made at nominal voltage. Allow for a deviation of +/- 10%. PF = power factor</i>
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, Ta=40° C (104° F): 150° C (302° F) Total heat dissipation (calculated, +/- 10% at 120 V, 60 Hz): 4180 BTU/hr
Approvals	  <p>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 (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</p>
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 (9.8 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 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 50 kg (110.2 lbs.): P/N 91604003 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 Head air filter
Ordering Information	MAC Viper™ Wash DX in cardboard box: P/N 90233070 MAC Viper™ Wash DX in 2-unit flightcase: P/N 90233080
Shipping Information	In cardboard carton Shipping dimensions (LxWxH): 580 mm (22.8 in.) x 450 mm (17.7 in.) x 870 mm (34.3 in.) Shipping weight: 39 kg (86.0 lbs.) Quantity on pallet: 8 fixtures Pallet dimensions (LxWxH): 1200 mm (47.2 in.) x 1000 mm (39.4 in.) x 1860 mm (73.2 in.) Pallet weight (incl. pallet): 334 kg (736.3 lbs.) In double flightcase Shipping dimensions (LxWxH): 1200 mm (47.2 in.) x 580 mm (22.8 in.) x 850 mm (33.5 in.) Shipping weight: 70 kg (154.3 lbs.) Quantity on pallet: 4 fixtures Pallet dimensions (LxWxH): 1200 mm (47.2 in.) x 1220 mm (48.0 in.) x 1010 mm (39.8 in.) Pallet weight (incl. pallet): 302 kg (665.8 lbs.)

Photometric Data

Standard , Zoom at Minimum	Efficiency: 39% Efficacy: 28.3 lumens per watt One-tenth peak angle: 13.5° Total output: 32800 lm
Standard , Zoom at Maximum	Efficiency: 38% Efficacy: 28 lumens per watt One-tenth peak angle: 59° Total output: 32500 lm

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