MAC Viper Wash DX

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

FEATURES

- 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

TECHNICAL SPECIFICATIONS

Physical
Length (base): 472 mm (18.6 in.)
Length (head): 566 mm (22.3 in.)
Width: 473 mm (18.6 in.)
Width (base): 335 mm (13.2 in.)
Height (head straight up): 732 mm (28.8 in.)
Height (maximum): 749 mm (29.5 in.)
Weight: 34.1 kg (75.2 lbs.)
Minimum center-to-center distance in side-by-side installation: 650 mm (25.6 in.)

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

Zoom: Motorized
Pan: 540°
Tilt: 268°
Position correction system: Absolute position monitoring

Control and Programming
DMX channels: 18/24
Setting and addressing: Control panel with backlit graphic display and jog wheel or via DMX
16-bit control: Dimmer, pan, 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: 13.5° - 59° (1:5)
Output: 33 000 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

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 (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): 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/N20800270

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 x 450 x 870 mm (22.9 x 17.8 x 34.3 in.)
Shipping weight: 39 kg (86.0 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): 334 kg (736.4 lbs.)

In double flightcase:
Shipping dimensions (LxWxH): 1200 x 580 x 850 mm (47.3 x 22.9 x 33.5 in.)
Shipping weight: 70 kg (154.4 lbs.)
Quantity on pallet: 4 fixtures
Pallet dimensions (LxWxH): 1200 x 1220 x 1010 mm (47.3 x 48.1 x 39.8 in.)
Pallet weight (incl. pallet): 302 kg (665.8 lbs.)