



GALLERY



# MAC Viper Wash

The MAC Viper Wash is a full-range wash luminaire capable of performing at the high level you would expect from a professional wash light. It features an outstanding quality of light with unlimited color choices and excellent color stability across the entire beam. It maintains near full efficiency throughout the entire zoom range with no visible beam jump when zooming from tight to wide. The MAC Viper Wash 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

CMY – Vibrant color mixing with a superior palette of colors including true reds, rich ambers, primary green and deep blues

## FEATURES

- 33000 Lumens – Excellent light quality with a uniform field and 6000K color temperature
- 1:5 zoom - Continuous and fast
- 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
- 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: 33 kg (72.8 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

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: 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  
PC Lens Kit for MAC Viper™ Wash: P/N 91614050  
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™ Wash in cardboard box: P/N 90233050  
MAC Viper™ Wash in double flightcase: P/N 90233060

#### 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.)

