



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 flat and uniform field
- 1:5 zoom - 13.5 to 59° continuous and fast zoom
- 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

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: 33 kg (72.8 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
 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 (6.6 ft.) / 6 m (19.7 ft.) to infinity (approx.)
 Zoom: 13.5° - 59°
 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°
Preliminary data

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, Ta=40° C (104° F): 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 (9.8 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 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 in cardboard box: P/N 90233050
MAC Viper™ Wash in double flightcase: P/N 90233060

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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