

MAC Viper Profile



OVERVIEW

The MAC Viper Profile is a new breed of high-output profile luminaire with an exceptional feature set, superior light quality and a highly efficient optical system. It outperforms all market-leading profiles in the 1200-watt range and is even an alternative to 1500-watt fixtures. The Viper Profile is not only brighter, it is also a faster and more compact solution. With its 1000-watt HID source, the Viper consumes less power, making it over 50% more efficient than its 1200-watt rivals.



FEATURES

- 26000 Lumens – Excellent light quality with a very flat and uniform field and 6000K color temperature
- 1:4 zoom – Fast zoom with auto-linked focus
- Large aperture front lens – The 140 mm front lens exceeds the size of any other fixture in this segment for just the right fat beam look
- 2 x 5-slot rotating gobo wheels - All glass gobos with optimal focal separation for superior morphing effects
- FX wheel – Patent-pending FX wheel provides an additional 4 fixed gobos and 135° animation effect
- CMY – Vibrant color mixing with a superior palette of colors including true reds, rich ambers, primary green and deep blues
- 8-slot color wheel – Static colors and correction filters for added color choice and bump effects
- 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





SPECIFICATIONS

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 (29.5 in.)
Weight	37.2 kg (82.0 lbs.)
DYNAMIC EFFECTS	
Color mixing	CMY, independently variable 0 - 100%
Color temperature control	CTO, variable 6000 - 3200 K
Color wheel	8 interchangeable dichroic filters + open, indexing, continuous rotation, random color
Aerial wheel	5 interchangeable aerial effects + open, indexing, continuous rotation and shake
Breakup wheel	5 interchangeable texture/breakup gobos + open, indexing, continuous rotation and shake
FX wheel	Interchangeable static gobo and gobo animation effects
Prism	Interchangeable 4-facet rotating prism
Iris	0 - 100%, pulse effects
Frost	Frost filter
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-focus linking system	3-zone
Zoom	Motorized
Pan	540°
Tilt	268°
Position correction system	Absolute position monitoring
CONTROL AND PROGRAMMING	
DMX channels	26/34
Setting and addressing	Control panel with backlit graphic display and jog wheel or via DMX
16-bit control	Aerial, breakup and texture effect rotation and indexing, focus, zoom, pan and tilt
DMX compliance	USITT DMX512-A
RDM compliance	ANSI/ESTA E1.20
Receiver	Opto-isolated RS-485



SPECIFICATIONS

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	10-44° (1:4)
Output	26 000 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
GOBOS	
Size	E27 (Size E, max. image diameter 27 mm)
Approved material	Borosilicate 3.3 or better with dichroic or heavy matted aluminum coating (metal gobos not approved)
Outside diameter	37.5 mm +0/- 0.2 mm (1.5 in. +0/- 0.01 in.)
Maximum image diameter	27 mm (1.1 in.)
Maximum thickness	1.1 mm +/- 0.1 mm (0.1 in. +/- 0.01 in.)
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	AC power input
DMX and RDM data in/out	5-pin locking XLR
USB memory devices	USB host socket



SPECIFICATIONS

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, 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	UL 1573
US EMC	FCC Part 15 Class A
Canadian safety	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 NAC3F-CA input connector, 3 m (9.9 ft.)	P/N 11541503
Neutrik PowerCon NAC3FCA power input connector, cable mount, blue	P/N 05342804
T-shaped omega clamp attachment bracket with 1/4-turn fastener	P/N 91602003



SPECIFICATIONS

T-shaped omega clamp attachment bracket with 1/4-turn fasteners	P/N 91602008d
FLIGHTCASE	
6-unit flightcase for MAC Aura™	P/N 91602008
OPTICAL ACCESSORIES	
MAC Aura / Aura XB Soft Lens Kit	P/N 91611730
RELATED ITEMS	
Martin USB Duo™ DMX Interface Box	P/N 90703010
Martin DMX 5.3 Splitter™	P/N 90758140
Martin RDM 5.5 Splitter™	P/N 90758150
ORDERING INFORMATION	
MAC Aura XB™ in cardboard box	P/N 90232100
MAC Aura XB™ in 6-unit flightcase	P/N 90232110