ATTRACT YOUR AUDIENCE

Martin®
by HARMAN

MAC Axiom Hybrid™

The MAC Axiom™ Hybrid is a true all-in-one product, combining beam and spot into one compact unit that also offers diffused wash functionality. The high-precision optical system offers exceptional contrast, both in mid-air and projection as well as a surprisingly flat field, usually not seen with this short-arc lamp technology. The implementation of the MAC Viper CMY color palette gives designers the advantage of unlimited choice from subtle pastel shades to deep and saturated colors. All this comes in a small footprint and lightweight product which delivers superior performance in the best feature vs. size and weight ratio available in the market.

- All-in-one product-packed with effects
- Tight and narrow beam-amazing intensity
- MAC Viper colour palette- superior CMY colour mixing.
- Zoom: 2-44 degrees continuous (no beam or spot modes)
- Very Compact

MARMAC400

Physical

Length (base): 399 mm (15.8 ins.)
Width (across yoke): 414 mm (16.3 ins.)
Height (head straight up): 616 mm (24.3 ins.)
Height (maximum): 630 mm (24.9 ins.)
Weight: 24 kg (53 lbs.)

Dynamic Effects

Color mixing: CMYC (MAC Viper color palette), independently variable 0 - 100%
Color wheel: 16 dichroic filters + open, indexing, continuous rotation, random color
Gobo wheel 1: 9 interchangeable rotating gobos + open, gobo indexing, continuous rotation and shake
Gobo wheel 2: 17 static gobos + open, gobo animation effect
Prism 1: 3-facet rotating prism with dynamic prism zoom effect ("prism lineator")
Prism 2: 8-facet rotating prism with dynamic prism zoom effect ("prism lineator")
Frost filter for wash effect
Beamsmoother for flat field projection
Mechanical dimmer/shutter: 0 - 100% dimming, strobe effect 2 - 10 Hz, pulse effects, instant open and blackout
Focus: 2 m (6.6 ft.) to infinity
Zoom: 2° - 44° continuous (no Beam or Spot modes)
Pan: 540°
Tilt: 260°
Position correction system: Absolute position monitoring

Control and Programming

DMX channels: 23
Configuration and addressing: Onboard control panel or via DMX
16-bit control: Focus, pan and tilt
Onboard display panel: Backlit LCD with auto-flip
DMX compliance: USITT DMX512-A
RDM compliance: ANSI/ESTA E1.20
Receiver: Isolated RS-485
Firmware update: Windows PC and USB-DMX hardware interface

Lamp

Type: 440 W short-arc discharge
Color temperature: 7000 K
CRI (Color rendering index): >80
Average lifetime: 1500 hours
Approved lamp: Osram Sirius HRI 440 W

Photometric Data

Max. output, wide: 16 000 lm
Max. output, narrow: 14 000 lm
Max. luminous intensity: 31 000 cd

Service Utilities

Fixture identification: User-settable fixture ID number

Construction

Color(s): Black
Housing: Alloy, steel, UV-resistant fiber-reinforced composite
Reflector: Glass, cold light
Protection rating: IP20

Installation

Mounting points: Four quarter-turn locking points
Orientation: Any
Minimum distance to illuminated surfaces: 15 m (49.3 ft.)
Minimum distance to combustible materials: 0.2 m (0.7 ft.)

Connections

AC power input: Neutrik PowerCon TRUE1
DMX and RDM data in/out: 5-pin locking XLR

Electrical

AC power: 100-240 V nominal, 50/60 Hz
Typical power consumption: 600 W
Power supply unit: Auto-ranging electronic switch-mode

Thermal

Cooling: Filtered forced air (temperature-regulated, low noise)
Maximum ambient temperature (Ta max.): 40° C (104° F)
Maximum surface temperature, steady state, at 40° C ambient: 90° C (194° F)
Total heat dissipation (calculated, +/- 10% at 230 V, 50 Hz): 2050 BTU/hr

Approvals

EU safety: EN 60598-2-17 (EN 60598-1), EN 62471, EN 62493
EU EMC: EN 55015; EN 55032; EN 55103-1,-2; EN 61000-3-2,-3; EN 61000-4-2, -4, -5; EN 61547
US safety (pending): UL 1573
US EMC: CFR 47 Part 15 Class A
Canadian safety (pending): CSA C22.2 No. 166
Canadian EMC: ICES-003 Class A
Australia/NZ: RCM (pending)

Included Items

Two mounting brackets with quarter-turn fasteners

Accessories

Rigging hardware

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 wire, safe working load 50 kg (110 lbs.): P/N 91604003

Related items

Martin™ M-DMX USB-to-DMX Interface Box: P/N 90737060

Order Information

MAC Axiom™ Hybrid in cardboard box: P/N 90490000