MAC ALLURE™ PROFILE

ONE BEAM. 7 SEGMENTS. LIMITLESS COLORS.

SPEC SHEET

The MAC Allure™ Profile features a novel RGBW light engine with unique 7-segmented beam control. With instant color control and pixelated beam, the MAC Allure Profile enables dynamic projection and mid-air effects, previously not possible. The proprietary light engine sets new standards in compactness and efficiency, previously associated with larger, costlier fixtures. To ease programming and content creation, this is also the first lighting fixture to incorporate Martin's P3 control. The pixelated beam can still be controlled or pixel-mapped via DMX and Art-Net protocols, however, switching or cross-fading to P3 or vice versa is now instantly possible. Designed to support rental and install clients, the MAC Allure Profile is ideal for concert/touring, TV, corporate, houses of worship, concert venues, nightclubs, and cruise ships.

KEY MESSAGES

FIRST PIXELATED SPOT

The light and color engine is divided into seven full color pixels. Pixels can be focused on projection as well as in the beam for aerial effects. You have full color and intensity control over each pixel via DMX, or you can create effects effortlessly via the fixture's effects engine.

P3 INCORPORATED

On top of DMX, Art-Net and sACN, the MAC Allure Profile can be controlled via P3. This allows a rig of multiple fixtures to deliver a cohesive look that blends with video content on panels or creative LED products. With this system, there is only a single data feed to the product and the operator can switch between normal lighting and P3 control and even cross fade between the two.

BUILT FOR PIXEL MAPPING

With an all solid state color mixing system, instant color and intensity response, 7-pixel beam technology, P3 control, and calibrated colors, the MAC Allure Profile is made for pixel mapping. The color palette can also be set to fully match the color space of any other P3-driven product in the rig, allowing the MAC Allure Profile to fit in seamlessly for perfect color matching looks. With P3 control on board you no longer have to worry about counting fixtures, DMX universes and channels and can spend your efforts on the exciting and creative side of the production.

BRIGHT VIBRANT COLORS

The RGBW system delivers very vibrant colors with a brightness only expected from much bigger fixtures. The color calibrated system excels on subtle pastels and white tones making any MAC Allure Profile in the rig match the color point when they must.

BROADCAST SAFE

The MAC Allure Profile LED drivers run the light engine at high and precise refresh rates securing that there is no flicker or banding on any broadcast application. And, the refresh rate can be adjusted if cameras are possibly tweaked away from common settings.

DOWNSIZED TECHNOLOGY IS OUR TRADEMARK

The Martin MAC family is renowned for compact moving lights. The MAC Allure Profile saves space in truck, transit and truss, fitting nicely into smaller sets and spaces. With its compact design at a weight of just 17.6 kg (38.8 lbs.), the MAC Allure Profile is extremely easy to handle and reduces the problem of truss loading constraints. The fixture typically fits into four unit flight cases.

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FEATURES

- First pixelated spot with light and color engine divided into seven full color pixels
- Truly sustainable workhorse moving head
- Integrated Martin P3 visual control as well as DMX, Art-Net and sACN incorporated onboard
- Built for pixel mapping with an all solid state color mixing system, instant color and intensity response, and seven pixel beam technology
- High and precise adjustable refresh rates ensure no flicker or banding on any broadcast application
- Color calibrated system excels on subtle pastels and white tones to ensure consistent colors across fixtures
- Boasts an extremely compact footprint in spite of its powerful performance features

ORDERING INFORMATION

MODELS

- MAC Allure™ Profile EPS (in cardboard box, polystyrene packaging): P/N 90250005HU
- MAC Allure™ Profile SIP (in cardboard box with SIP foam flight case insert): P/N 90250010HU
- MAC Allure™ Profile, white finish, EPS (in cardboard box, polystyrene packaging): P/N 90250000HU

INCLUDED ITEMS

Two omega brackets with 1/4 turn fasteners for rigging clamp attachment

ACCESSORIES

- SIP Packaging MAC Allure™: P/N TBD
- Power Input Cable, H07RN-F, 2.5 mm2, bare ends to Neutrik TRUE1 NAC3FX-W (female), 1.5 m (4.9 ft.): P/N 91611797
- Power Input Cable, H07RN-F, 2.5 mm2, bare ends to Neutrik TRUE1 NAC3FX-W (female), 5 m (16.4 ft.): P/N 91611786
- Power Input Cable, SJOOW, 12 AWG, bare ends to TRUE1 NAC3FX-W (female), 1.5 m (4.9 ft.): P/N 91610173
- Power Input Cable, SJOOW, 12 AWG, bare ends to TRUE1 NAC3FX-W (female), 5 m (16.4 ft.): P/N 91610174
- Cable Connector, Neutrik PowerCON TRUE1 NAC3FX-W (female): P/N 91611789

INSTALLATION HARDWARE

- G-clamp (suspension with fixture hanging vertically downwards only): P/N 91602003
- Quick Trigger Clamp (suspension with fixture hanging vertically downwards only): P/N 91602007
- Half-coupler Clamp: P/N 91602005
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, black: P/N 91604006
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, silver: P/N 91604007

FLIGHT CASES

Four-unit flight case for MAC Allure™: P/N TBD

**Please order SIP variant fixtures to obtain the required SIP foam flight case inserts*

RELATED ITEMS

Martin® RDM 5.5 Splitter: P/N 90758150

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TECHNICAL SPECIFICATIONS - PRELIMINARY

PHYSICAL

Length	410 mm (16.1 in.)
Width (across yoke)	241 mm (9.5 in.)
Height (maximum)	609 mm (24.0 in.)
Height (head straight up)	731 mm (28.8 in.)
Weight	17.6 kg (38.8 lbs.)

DYNAMIC EFFECTS

Color mixing	RGB(W), independently variable 0 - 100%
Color temperature control	Variable 6500 - 2700 K
Color wheel	Virtual, multiple colors, split colors and open, indexing, continuous rotation, random color
Rotating gobo wheel	6 x interchangeable texture/breakup gobos + open, indexing, continuous rotation and shake
Iris	Variable 0 - 100% including pulse effects
Dimmer/shutter	0 - 100% continuous electronic dimming, regular and random strobe and pulse effects, instant open and blackout
Dimming options	Choice of four dimming curves
Pre-programmed effects	Two ranges of FX, independent or synchronized/combined
Focus	Range varies with zoom angle, from approx. 2 m (6.6 ft.) / 6 m (19.7 ft.) to infinity
Zoom	Motorized
Pan	540°
Tilt	268°
Position correction system	Absolute position monitoring

CONTROL AND PROGRAMMING

DMX channels	TBD
Setting and addressing	Control panel with backlit graphic display and 4 buttons or via DMX
16-bit control	Dimming, color, rotating gobos, zoom, focus, pan and tilt
Fixture identification	User-settable ID number DMX compliance: USITT DMX512-A
RDM compliance	ANSI/ESTA E1.20
Transceiver	Opto-isolated RS-485
Fixture software update	USB memory device or over DMX link

OPTICS AND SOURCE

Light source	7 x 60W RGBW LEDs
CRI	>70
Total LED engine power	~420 W
Minimum LED lifetime	50 000 hours (to >80% luminous output)*
Zoom range	12° - 36° one-tenth peak (1:3)

**Figure obtained under manufacturer's test conditions*

PHOTOMETRIC DATA

Light engine luminous output	14 000 lumens
Fixture luminous output	5 000 lumens

CONSTRUCTION

Color	Black (white housing option available, made to order)
Housing	High-impact flame-retardant thermoplastic
Protection rating	IP20

INSTALLATION

Mounting points	2 pairs of 1/4-turn locks
Location	Dry location only, must be fastened to surface or structure
Orientation	Any
Minimum distance to combustible materials	0.2 m (8 in.)
Minimum distance to illuminated surfaces	1.0 m (3.3 ft.)

CONNECTIONS

AC power input	Neutrik TRUE1 socket (accepts Neutrik TRUE1 NAC3FX-W connector)
AC power output	Neutrik TRUE1 socket (accepts Neutrik TRUE1 NAC3FX-M connector)
DMX and RDM data in/out	5-pin locking XLR
Ethernet data	Neutrik EtherCon in/out

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ELECTRICAL

AC power	120-240 V nominal, 50/60 Hz
Power supply unit	Auto-ranging electronic switch-mode
Power consumption, all effects static, zero light output	73 W
Half-cycle RMS inrush current at 230 V, 50 Hz	16.6 A
Typical Power And Current	
120 V, 60 Hz	4.0 A, 480 W, PF 0.98
208 V, 60 Hz	2.4 A, 480 W, PF 0.95
230 V, 50 Hz	2.2 A, 480 W, PF 0.94
240 V, 50 Hz	2.1 A, 480 W, PF 0.94

Figures are typical, not maximum. Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.

PF = power factor

THERMAL

Cooling	Combined convection and forced air (temperature-regulated, low noise, user-definable levels) Maximum surface temperature, steady state, Ta=40° C: 75° C (167° F)
Maximum ambient temperature (Ta max.)	40° C (104° F)
Minimum ambient temperature (Ta min.)	5° C (41° F)
Total heat dissipation (calculated, +/- 10%)	2000 BTU/hr.

APPROVALS

EU safety	EN 60598-2-17, EN 62471, EN62493
EU EMC	EN 55015, EN 55032, EN 55103-2, EN 61000-3-2, EN 61000-3-3, EN 61547
US safety	UL 1573
US EMC	FCC Part 15 Class B
Canadian safety	CSA C22.2 No. E598-2-17
Canadian EMC	CAN ICES-003(B)/NMB-003(B); CAN ICES-005 (B) / NMB-005 (B)
Australia/NZ	RCM




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