MAC ALLURE™ PROFILE
ONE BEAM. 7 SEGMENTS. LIMITLESS COLORS.

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 calibrated 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.

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 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

ACCESSORIES

• SIP Packaging MAC Allure™:
  P/N 91611860
• Power Input Cable, H07RN-F, 2.5 mm², bare ends to TRUE1 NAC3FX-W (female), 1.5 m (4.9 ft.):
  P/N 91611797
• Power Input Cable, H07RN-F, 2.5 mm², bare ends to TRUE1 NAC3FX-W (female), 5 m (16.4 ft.):
  P/N 91611786
• Power Input Cable, SJOW, 12 AWG, bare ends to TRUE1 NAC3FX-W (female), 1.5 m (4.9 ft.):
  P/N 91610173
• Power Input Cable, SJOW, 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

Three-unit flight case for MAC Allure™:
P/N 91515052
*Please order SIP variant fixtures to obtain the required SIP foam flight case inserts

RELATED ITEMS

• Martin® RDM 5.5 Splitter:
  P/N 90758150
• Martin Companion Cable USB/DMX hardware interface:
  P/N 90758150

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
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TECHNICAL SPECIFICATIONS

DYNAMIC EFFECTS

- **Color mixing**: RGB(W), independently variable 0 - 100%
- **Color temperature control**: Variable 2000 - 8000 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
- **Prism**: 4 facet, fully indexed
- **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

OPTICS AND SOURCE

- **Light source**: 7 x 60W RGBW LEDs
- **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**: 6500 lumens
- **Calibrated default white**: 6500 K
- **CRI (Color Rendering Index)**: >80
- **CQS (Color Quality Scale)**: 88
- **TM-30 Rf (IES TM-30-15 Fidelity Index)**: 82
- **TM-30 Rg (IES TM-30-15 Gamut Index)**: 109
- **TLCI (Television Lighting Consistency Index)**: 82

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.)
TECHNICAL SPECIFICATIONS

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

ELECTRICAL
AC power .................................................. 100-240 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
Typical power data, extended color mode, all LEDs at 100% intensity
100 V, 60 Hz .............................................. 4.8 A, 480 W, PF 0.99
120 V, 60 Hz .............................................. 4.0 A, 480 W, PF 0.99
208 V, 60 Hz .............................................. 2.4 A, 480 W, PF 0.97
230 V, 50 Hz .............................................. 2.2 A, 480 W, PF 0.97
240 V, 50 Hz .............................................. 2.0 A, 480 W, PF 0.97

Typical power data, calibrated mode, full intensity at 6500 K
100 V, 60 Hz .............................................. 3.7 A, 370 W, PF 0.99
120 V, 60 Hz .............................................. 3.1 A, 370 W, PF 0.99
208 V, 60 Hz .............................................. 1.9 A, 370 W, PF 0.96
230 V, 50 Hz .............................................. 1.7 A, 370 W, PF 0.96
240 V, 50 Hz .............................................. 1.6 A, 370 W, PF 0.95

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)

Maximum total heat dissipation (calculated, +/- 10%) ................................ 1800 BTU/hr.

APPROVALS
EU safety .............................................. EN 60598-2-17, EN 62471, EN 62493
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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DIMENSIONS

PHYSICAL

Length (head) ........................................ 414 mm (16.3 in.)
Length (base) ....................................... 385 mm (15.2 in.)
Width (across yoke) ............................. 410 mm (16.2 in.)
Height (maximum) ................................ 609 mm (24.0 in.)
Height (head straight up) ................. 603 mm (23.8 in.)
Weight .................................................... 17.6 kg (38.8 lbs.)
Minimum center-to-center distance in side-by-side installation ....... 510 mm (20.1 in.)