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MEET YOUR NEW COMPANION



MAC Quantum Profile™

This extremely bright LED profile fixture combines top-quality white light with a fast, smooth CMY color mixing system and crisp gobo projection on surfaces as well as mid-air.

With all this and the new Animation™ FX system that allows never-before-seen beam animations, the market is now finally seeing the first real 700/800 W discharge lamp replacement in a profile fixture that effectively harnesses cutting-edge LED technology.

- Flat field, crisp image, high contrast
- Pure white 6500 K LEDs combined with fast, responsive and even CMY color mixing
- Very low weight and compact design
- Full feature set including color mixing and 1:3 zoom
- Consistent photometric performance via LED technology

Specifications

Physical

Length: 452 mm (17.8 in.)
Width: 439 mm (17.3 in.)
Height (head straight up): 642 mm (25.3 in.)
Weight: 23.2 kg (51.1 lbs.)

Dynamic Effects

Color mixing: CMY, independently variable 0 - 100%
Color wheel: 6 color filters plus open
Rotating gobo wheel: 6 interchangeable gobos plus open, wheel rotation, gobo rotation, indexing and shake
Static gobo wheel: 10 gobos plus open, wheel indexing, rotation and shake
Beam effects: Rotating 3-facet prism
Zoom: 12° - 36° (1:3)
Focus: Motorized, featuring precise zoom-focus tracking
Iris: 0 - 100%, pulse effects
Shutter effect: Electronic, with variable speed regular and random strobe
Electronic dimming: Four dimming curve options
Pan: 540°
Tilt: 268°
Pan and tilt speed: Adjustable via onboard control panel and DMX

Control and Programming

Control system: DMX
RDM: Implemented
Control resolution: 8-bit with 16-bit control of dimming, gobo indexing, zoom, focus, pan and tilt
DMX channels: 19/27
Setting and addressing: Control panel with backlit graphic display
DMX compliance: USITT DMX512-A
RDM compliance: ANSI/ESTA E1.20
Transceiver: RS-485
Fixture software update: Direct via USB memory stick or via DMX with Martin USB Duo DMX Interface Box

Optics

Light source: 475 W LED engine
Minimum LED lifetime: 50 000 hours (to >70% luminous output)*
*Figure obtained under manufacturer's test conditions

Construction

Color: Black
Housing: High-impact flame-retardant thermoplastic
Protection rating: IP20

Installation

Mounting points: 4 pairs of 1/4-turn locks
Location: Indoor use only, must be fastened to surface or structure
Orientation: Any
Minimum distance to combustible materials: 0.2 m (0.7 ft.)
Minimum distance to illuminated surfaces: 2.0 m (6.6 ft.)

Connections

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

Electrical

AC power: 120-240 V nominal, 50/60 Hz
Power supply unit: Auto-ranging electronic switch mode
Maximum total power consumption: 750 W
Typical half-cycle RMS inrush current: 10.3 A
Typical power consumption, all effects static, zero light output: Approx. 50 W

Thermal

Cooling: Forced air (temperature-regulated, low noise, user-definable levels)
Maximum ambient temperature (Ta max.): 40° C (104° F)
Minimum ambient temperature (Ta min.): 5° C (41° F)

Approvals

EU safety: EN 60598-2-17 (EN 60598-1), EN 62471
EU EMC: EN 55015, EN 55032, EN 55103-2, EN 61000-3-2, EN 61000-3-3, EN 61547
US safety (pending): UL 1573
US EMC: FCC Part 15 Class A
Canadian safety (pending): CSA C22.2 No. E598-2-17 (CSA E60598-1)
Canadian EMC: ICES-003 Class A
Australia/NZ: C-TICK N4241

Accessories

3 m (9.8 ft.) power cable, 12 AWG, SJT, with PowerCon NAC3FCA power input connector: P/N 11541503
Neutrik PowerCon NAC3FCA power input connector, cable mount, blue: P/N 05342804
Half-coupler clamp: P/N 91602005
G-clamp: P/N 91602003
Quick trigger clamp: P/N 91602007
Safety cable, safe working load 50 kg (110.2 lbs.): P/N 91604003
Flightcase for 2 x MAC Quantum™: P/N 91510210

Ordering Information

MAC Quantum Profile™ in cardboard box: P/N 90240000
MAC Quantum Profile™ in 2-unit flightcase: P/N 90240010

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About Martin Professional

As a world leader in the creation of dynamic lighting solutions for the entertainment, architectural, and commercial sectors, Martin lighting and video systems are renowned the world over. Martin also offers a range of advanced lighting controllers and media servers, as well as a complete line of smoke machines as a complement to intelligent lighting. Martin operates the industry's most complete and capable distributor network with local partners in nearly 100 countries. Founded in 1987 and based in Aarhus, Denmark, Martin is the lighting division of global infotainment and audio company HARMAN International Industries.

For more information please visit



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