

MAC Quantum Profile™ is a fully featured LED profile that sets new standards for combined performance, weight and size.

This workhorse represents the latest in LED technology which in combination with Martin's proprietary optical design delivers a crisp and bright output. Any concerns about lamp aging, shifts in color temperatures, green color points, misaligned lamps and declining output are eliminated, as consistent LED technology guarantees that the last show on the tour looks as good as the first.

The MAC Quantum Profile is designed to please all around. Weighing in at only 22 kg without compromising performance and speed, it's compact size and precise movements will wow audiences, designers and technicians alike. And being great value for money, the MAC Quantum Profile offers a speedy return on investment.

- Flat field, crisp image, high contrast
- First real alternative to a 700 watt HID fixture
- Very low weight and compact design
- Super high-speed movements and effects
- Full feature set including color mixing and 1:3 zoom
- Consistent photometric performance via LED technology

Physical Length: 452 mm (17.8 in.)
Width: 439 mm (17.3 in.)
Height (head straight up): 642 mm (25.3 in.)
Weight: 22.4 kg (49.4 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 multi-facet prism
Zoom: 12° - 34° (1:3)
Focus: Motorized
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 pan & tilt
DMX channels: TBA
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: Via DMX with Martin™ USB Duo DMX Interface Box

Optics Light source: 430 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: 2 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 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
Related Items	Martin USB Duo™ DMX Interface Box: P/N 90703010 Martin RDM 5.5 Splitter™ : P/N 90758150
Ordering Information	MAC Quantum Profile™ in cardboard box: P/N 90240000 MAC Quantum Profile™ in 2-unit flightcase: P/N 90240010

Published on: 9 Jun 2014. © 2014 Martin Professional ApS. Specifications subject to change without notice