MAC 250 KRYPTON

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Ground breaking is the best way to describe the MAC 250 Krypton. With a solid history of innovation in this market, Martin is pleased to introduce the very latest in technological advances and cool design to bring you the MAC 250 Krypton. Brand new design, super efficient optics, easily serviceable construction, and new motor technology producing our fastest moving head ever are just a few of the features that make the MAC 250 Krypton suited to the club and installation market, retail and leisure applications, and much more.

Color

Color is provided from a motorized color wheel housing 12 replaceable dichroic color filters plus open with split position possibilities.

Optics

A new and improved glass reflector produces extremely high light output.

The multi-layer dichroic reflector minimizes thermal stress and delivers a beautifully even beam.

A high precision achromatic lens system maximizes optical efficiency of the included 2000 hour life Philips MSD 250/2 lamp for superb picture quality.

Dimmer/Shutter

A full range dimmer/shutter is very fast and allows for smooth effect transitions by varying the intensity of the light output. Strobe effects are possible up to 20 Hz.
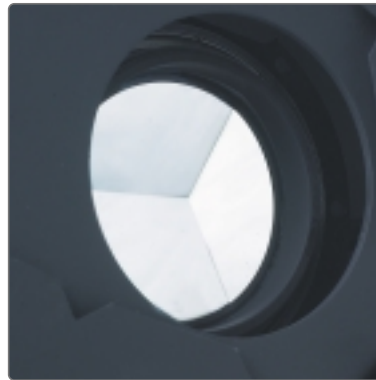
New gobo designs

A newly designed rotating and indexing gobo wheel offers a new selection of replaceable metal and dichroic gobos giving the MAC 250 Krypton an original and fresh look. The 16-bit precision gobo wheel houses 7 slots plus open, and the new design makes gobo changes fast and easy.

Prism and focus

A bi-directional, 3-facet prism rotates smoothly at variable speeds, adding unique effects to gobo projection. The prism can also be replaced giving lighting professionals an added customizable feature. The MAC 250 Krypton is also equipped with a remote focus, allowing both sharp and soft images to be projected. Various preset macros are also included with the fixture to save valuable programming time..

Martin's fastest moving head ever

New pan and tilt motor technology produces improved movement, making the new MAC 250 series fixtures the fastest moving heads that Martin has ever manufactured - and faster than competitive fixtures.

If knocked out of position the automatic reset function is ultra fast, realigning the fixture in seconds.

Communications

The MAC 250 Krypton includes a new light sensitive yellow LED display for easy fixture programming. Customized settings allow each user to cater the fixture to their liking. The display provides easy to use maintenance menus and concise error messages, should a failure occur.

The MAC 250 Krypton is DMX-512 controllable, equipped with both 3-pin and 5-pin XLR IN/OUT sockets, and prepared for future new standards such as ACN, or Ethernet based protocol.

Modular design and easy maintenance

The design of the MAC 250 Krypton is unashamedly inspired by its big brother, the MAC 2000. The new design is highly efficient, making service and maintenance easier with fast access to modules and critical components.

Switchable power supply

The MAC 250 Krypton comes with a convenient, easily switchable power supply for both voltage and frequency, giving all possibilities for the fixture to operate anywhere in the world.

Physical
- Base length: 375 mm (14.8 in)
- Base width: 315 mm (12.4 in)
- Yoke width: 393 mm (15.5 in)
- Height: 538 mm (21.2 in)
- Weight: 22.4 kg (49 lbs)

AC power
- Operating range: 100 - 250 V, 50/60 Hz
- AC input: 3-prong IEC male socket

Photometrics
- Light output: 4618 lumens
- Field angle: 20.6°
- Measurement conditions: 230 V, 50 Hz; no effects applied
- Measurement source: Philips MSD 250/2

Thermal
- Maximum ambient temperature (Ta) 40° C (104° F)
- Maximum surface temperature 120° C (248° F)

Installation
- Orientation any
- Minimum distance to flammable materials 0.1 m (4 in)
- Minimum distance to illuminated surfaces 0.3 m (12 in)

Fuses
- Main fuse 6.3 A / 250 V, time-delay
- Fuse F1 6.3 A / 250 V, time-delay
- Fuse F2 2.0 A / 250 V, time-delay

Lamps
- Philips MSD 250/2 2000 hr, 6500K, 250 W, 72 lm/W
- Osram HSD 250 2000 hr, 6000K, 250 W, 68 lm/W
- Philips MSD 200 2000 hr, 5600K, 200 W, 67 lm/W

Gobos
- Outside diameter: 22.5 mm + 0/- 0.3 mm (0.886 in. +0/- 0.012 in)
- Maximum image diameter: 17 mm (0.669 in)
- Maximum thickness: 1.8 mm (0.071 in)
- Glass type: high temperature Borofloat or better
- Glass coating: dichroic or enhanced aluminum
- Metal: aluminum (steel okay for short use)

Control and Programming
- Data input: locking 3-pin and 5-pin XLR male sockets
- Data output: locking 3-pin and 5-pin XLR female sockets
- Data pinout: pin 1 shield, pin 2 cold (-), pin 3 hot (+)
- Receiver: Opto-isolated RS-485
- Protocols: USITT DMX-512 (1990)
- DMX Channels: 14/17

Design standards
- Canadian safety: CSA C22.2 NO 166
- EU: EMC EN 50 081-1, EN 50 082-1
- EU: safety EN 60598-1, EN 60598-2-17
- US: safety ANSI/UL 1573

Included items
- Omega bracket, MAC 250/300 1/4-turn
- XLR cable, 5 m, black, 3-pin
- Mains cable, 3 m, IEC 3-pin
- User manual

Ordering information
- MAC 250 Krypton: P/N 90225600

Accessories
- G-clamp: P/N 91602003
- Half-coupler clamp: P/N 91602005

Maximum power and current

Magnetic ballast				
Volt	Hz	Watt	Amp	power factor
100 V	50 Hz	319 W	3.8 A	PF 0.8
100 V	60 Hz	317 W	3.4 A	PF 0.9
120 V	50 Hz	320 W	2.9 A	PF 0.9
120 V	60 Hz	314 W	2.7 A	PF 1.0
208 V	50 Hz	320 W	1.9 A	PF 0.8
208 V	60 Hz	319 W	1.7 A	PF 0.9
230 V	50 Hz	323 W	1.6 A	PF 0.9
230 V	60 Hz	326 W	1.5 A	PF 1.0
250 V	50 Hz	326 W	1.5 A	PF 0.9
250 V	60 Hz	325 W	1.4 A	PF 1.0

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