



MAC 250 Krypton

The MAC 250 Krypton is a high performance profile with a separate gobo and color wheel, an achromatic lens system and a rotating prism.

FEATURES

TECHNICAL SPECIFICATIONS

Physical

Length: 375 mm
Width: 315 mm
Height: 538 mm, head straight up
Weight: 22.4 kg

Dynamic Effects

Color wheel: 12 colors (incl. CTC) + open, full and split positions, continuous rotation
Rotating gobo wheel: 7 interchangeable gobos + open, indexing, continuous gobo rotation, shake, continuous scrolling
Prism: Interchangeable 3-facet rotating prism
Mechanical dimmer: 0 - 100%
Shutter: Strobe effect up to 14 Hz, pulse effects, instant open and blackout
Focus: 2 m to infinity
Pan: 540°
Tilt: 257°

Control and Programming

DMX channels: 14/17
Setting and addressing: Control panel with LED display
16-bit control: Color wheel, rotating gobos, dimmer, focus, pan and tilt
Movement control options: Tracking and vector
Protocol: USITT DMX512/1990
Receiver: Opto-isolated RS-485
Firmware update: Serial upload via DMX link

Lamp

Type: 250 W discharge
Fitted as standard: Sylvania BA 250/2
Color temperature: 8000 K
CRI (Color rendering index): >85
Average lifetime: 3000 hours
Hot restrike: No
Socket: GY 9.5
Ballast: Magnetic
Approved alternative lamp(s): Osram HSD 250/80, GE CSD 250/2, Philips MSD 250/2

Optics

Beam angle: 20°, cut-off angle

Construction

Color(s): Black
Housing: UV-resistant fiber-reinforced composite
Reflector: Glass, cold light
Protection rating: IP20

Gobos

Outside diameter: 22.5 mm + 0/- 0.3 mm
Maximum image diameter: 17 mm
Maximum thickness: 1.8 mm
Recommended glass: High-temperature Borofloat or better with dichroic or enhanced aluminum coating
Recommended metal: Aluminum (steel for temporary use only)

Installation

Mounting points: 2 pairs of 1/4-turn locks
Orientation: Any

Connections

AC power input: 3-pin IEC
DMX data in/out: 3-pin and 5-pin locking XLR

Electrical

AC power: 100-240 V nominal, 50/60 Hz
Power supply unit: User-reconfigurable voltage and frequency settings
Main fuse: 6.3 AT (slow blow)

Typical Power and Current

100 V, 50 Hz: 319 W, 3.8 A, PF 0.83

100 V, 60 Hz: 317 W, 3.4 A, PF 0.93
120 V, 50 Hz: 320 W, 2.9 A, PF 0.91
120 V, 60 Hz: 314 W, 2.7 A, PF 0.96
208 V, 50 Hz: 320 W, 1.9 A, PF 0.81
208 V, 60 Hz: 319 W, 1.7 A, PF 0.92
230 V, 50 Hz: 323 W, 1.6 A, PF 0.89
230 V, 60 Hz: 326 W, 1.5 A, PF 0.95
250 V, 50 Hz: 326 W, 1.5 A, PF 0.89

Measurements made at nominal voltage. Allow for a deviation of +/- 10%.

Thermal

Cooling: Filtered forced air (temperature-regulated)
Maximum ambient temperature (Ta max.): 40° C
Maximum surface temperature, steady state, Ta=40° C: 160° C
Total heat dissipation (calculated, +/- 10%): 1120 BTU/hr.

Approvals

EU EMC: EN 55 015, EN 55 103-1, EN 61 547
EU safety: EN 60598-2-17
US safety: ANSI/UL 1573
Canadian safety: CSA C22.2 No. 166

Included Items

Philips MSD 250/2 lamp (installed): 97010100
3 m power cable, 3-pin IEC: 11501013
Two T-shaped Omega brackets with 1/4 turn fasteners: 91602008
User manual: 35000126

Accessories

Osram HSD 250/80 lamp: 97010116
G-clamp: 91602003
Half-coupler clamp: 91602005
Quick trigger clamp: 91602007
Double flightcase for MAC 250 Krypton/Entour/Wash: 91510014

Spare Parts

Main fuse (6.3 AT): 05020020
Fuse F1 (6.3 AT): 05020020
Fuse F2 (2 AT): 05020009

Ordering Information

MAC 250 Krypton in cardboard box: 90225600
MAC 250 Krypton in double flightcase: 90225641

