

SPECIFICATIONS

MAC 2000 PERFORMANCE II

PHYSICAL

| | |
|---------------|------------------|
| Length: | 408 mm (16.0 in) |
| Width: | 490 mm (19.3 in) |
| Height: | 743 mm (29.3 in) |
| Weight: | 39.5 kg (87 lbs) |

SOURCE

| | |
|--------------------------------|--|
| Lamp: | 1200 W short arc discharge |
| Base: | Double-ended SFc 10-4 with key |
| Approved models: | Osram HMI 1200 W/S Short-Arc |
| Control: | automatic and remote, hot re-strike |
| Ballast: | electronic |
| Low voltage power supply | electronic auto-ranging, or manually set |

THERMAL

| | |
|---|-----------------|
| Maximum ambient temperature (Ta): | 40° C (104° F) |
| Maximum surface temperature: | 140° C (284° F) |
| Total heat dissipation: | ca. 5120 Btu/hr |

PHOTOMETRICS

| | |
|---------------------------|--------------------|
| Light output: | 23000 lumens |
| Measurement source: | Osram HMI 1200 W/S |

ELECTRICAL

| | |
|--|---------------------------------|
| AC input: | 3 m trailing cable w/o cord cap |
| Operating ranges: | 100-130/200-260 V, 50/60 Hz |
| Ballast: | electronic |
| Power supply | auto-ranging |
| Main fuses (x 2 - when local AC supply is 208 - 250 V) | 15 A |
| Main fuses (x 2 - when local AC supply is 100 - 120 V) | T 20 A |
| Fuse F101: | T 6.3 A |
| Fuse F102: | T 10 A |
| Fuse F103: | T 3.15 A |
| Fuse F104: | T 3.15 A |

MAXIMUM POWER AND CURRENT

| | |
|----------------------|----------------|
| 100 V / 50 Hz: | 1590 W, 19.8 A |
| 100 V / 60 Hz: | 1560 W, 19.3 A |
| 120 V / 50 Hz: | 1560 W, 16.8 A |
| 120 V / 60 Hz: | 1540 W, 16.3 A |
| 208 V / 50 Hz: | 1470 W, 10.5 A |
| 208 V / 60 Hz: | 1470 W, 10.3 A |
| 230 V / 50 Hz: | 1480 W, 9.6 A |
| 230 V / 60 Hz: | 1470 W, 9.4 A |
| 250 V / 50 Hz: | 1480 W, 8.6 A |
| 250 V / 60 Hz: | 1480 W, 8.5 A |

GOBOS

| | |
|-------------------------|--|
| Outside diameter: | 37.5 +0/-0.3 mm (1.48 +0/-0.01 in.) |
| Image diameter: | 30 mm (1.18 in.) |
| Thickness: | 1.1 mm in static slots, up to 7 mm in rotating slots |
| Material: | high-temperature Borofloat or better glass |
| Coating: | dichroic or enhanced aluminum |

GOBO ANIMATION WHEELS

| | |
|-----------------------|---------------------|
| Outside diameter: | .133 mm +0/-0.25 mm |
| Image outer diameter: | 130 mm (5.12 in) |
| Image inner diameter: | 16 mm (0.63 in) |
| Thickness: | 0.5 mm (0.02 in) |
| Construction: | Aluminium |

CONTROL AND PROGRAMMING

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|-------------------------|--|
| Protocol: | USITT DMX-512 |
| Control channels: | 28 or 31 |
| Receiver: | Opto-isolated RS-485 |
| Data I/O: | locking 3-pin & 5-pin XLR, pin 1 shield, pin 2 cold (-), pin 3 hot (+) |
| Setting and addressing: | LED control panel, remote w/ MP-2 uploader |
| Pan/tilt resolution: | 8- or 16-bit |
| Gobo indexing: | 8- or 16-bit |
| Movement control: | tracking and vector |
| Software installation: | serial upload (MUF) |

ELECTROMECHANICAL EFFECTS

| | |
|----------------------------|---|
| Cyan: | 0 - 100% |
| Magenta: | 0 - 100% |
| Yellow: | 0 - 100% |
| Color correction: | 0 - 178 mireds |
| Gobo animation wheel: | Animation effects at any angle |
| Gobo wheel: | 5 rotating and indexable slots |
| Four-blade framing system: | Blade tilting +/- 31°, frame rotation +/- 45° |
| Effect wheel: | wide-angle converter lens, non-rotating 9-facet prism, variable frost |
| Iris: | motorized |
| Dimmer/shutter: | full range dimming and variable speed flash |
| Focus: | .2 m (6.5 ft.) - infinity |
| Zoom: | 10° - 28° |
| Pan: | 540° |
| Tilt: | 267° |

DESIGN STANDARDS

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

CONSTRUCTION

| | |
|--------------------|---|
| Housing: | UV-resistant fiber-reinforced composite |
| Colors: | black |
| Protection factor: | IP 20 |

INSTALLATION

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|------------------|---------------------------------------|
| Mounting points: | 8 pairs of 1/4-turn locks, offset 45° |
| Orientation: | any |

ORDERING INFORMATION

| | |
|---|--------------|
| MAC 2000 Performance II in a 1-unit flight case: | P/N 90205460 |
| 2 MAC 2000 Performance IIs in a 2-unit flight case: | P/N 90205450 |

INCLUDED ITEMS

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|--|--------------|
| 2 x Omega bracket, 1/4-turn | |
| User manual: | P/N 35000103 |
| Realistic stars gobo (E size): | P/N 43036008 |
| Cloud gobo (E size): | P/N 43036008 |
| Radial breakup gobo animation wheel (installed): | P/N 62400211 |
| Cloud breakup animation wheel: | P/N 62400213 |
| Dot breakup animation wheel: | P/N 62400214 |
| Tangential breakup animation wheel: | P/N 62400215 |
| Spiral breakup animation wheel: | P/N 62400216 |

ACCESSORIES

| | |
|--|--------------|
| Linear breakup gobo animation wheel | P/N 62400223 |
| Triangle break gobo animation wheel | P/N 62400225 |
| Elliptical breakup gobo animation wheel | P/N 62400221 |
| Flicker wheel gobo animation wheel | P/N 62400222 |
| Coarse radial breakup gobo animation wheel | P/N 62400224 |
| Coarse tangential breakup gobo animation wheel | P/N 62400226 |
| MP-2 Uploader: | P/N 90758420 |
| G-clamp: | P/N 91602003 |
| Half-coupler clamp | P/N 91602005 |
| “The Wife” DMX Tester | P/N 91611038 |