

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: | Philips MSR 1200 SA/DE Gold (installed), 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 |
| Beam angle (focused on open gobo): | .12° - 29° |
| Focal length: | .58 - 143 mm |
| 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 |

Figures are valid at nominal voltage. Allow for +/- 10% variation.

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

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

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

ORDERING INFORMATION

MAC 2000 Performance II in cardboard carton: P/N 90205465
MAC 2000 Performance II in 1-unit flight case: P/N 90205460
Two MAC 2000 Performance IIs in 2-unit flight case: P/N 90205450

INCLUDED ITEMS

| | |
|--|--------------|
| 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

| | |
|--|--------------|
| Wide-angle lens kit | P/N 91610020 |
| 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 |
| Philips MSR 1200 SA/DE Gold lamp | P/N 97010310 |
| OSRAM HMI 1200 W/S lamp | P/N 97010304 |