

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 length58 - 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

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

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