

SPECIFICATIONS - MAC 550

PHYSICAL

Length: 450 mm (17.7 in)
Width: 365 mm (14.4 in)
Height: 636 mm (25.0 in)
Weight: 31 kg (68 lbs)

SOURCE

Lamp: 400 W short arc discharge
Base: Double-ended SFc 10-4 with key
Approved models: OSRAM HTI 400 W/D3
Ballast: electronic

THERMAL

Maximum ambient temperature (Ta): 40° C (104° F)
Maximum surface temperature: 160° C (320° F)
Total heat dissipation: 2200 BTU/hr

PHOTOMETRICS

Light output: 9000 lumens
Beam angle (focused on open gobo) 14° - 30°
Focal length 46 - 100 mm
Measurement source: OSRAM HTI 400 W/D3

ELECTRICAL

AC input: 3 m trailing cable w/o cord cap
Operating ranges: 90-130/200-260 V, 50/60 Hz
Power supply semi auto-ranging electronic switch-mode
Main fuse for 200 - 250 V AC T 6.3 A
Main fuse for 100 - 120 V AC T 10 A

POWER AND CURRENT CONSUMPTION

@ 100 V AC: 650 W, 6.8 A
@ 120 V AC: 635 W, 5.6 A
@ 208 V AC: 600 W, 3.1 A
@ 230 V AC: 600 W, 2.8 A
@ 250 V AC: 600 W, 2.6 A

GOBOS

Outside diameter: 27.9 + 0 /- 0.3 mm
Maximum image diameter: 23 mm
Maximum thickness: 1.1 mm in static slots, 4 mm in rotating slots
Recommended glass: high-temperature Borofloat or better with dichroic or enhanced aluminum coating
Recommended metal: 0.5 mm aluminum

GOBO ANIMATION WHEELS

Outside diameter: 116 mm +/-0.25 mm
Image outer diameter: 112 mm
Image inner diameter: 32 mm
Construction: 0.5 mm aluminum with magnet

CONTROL AND PROGRAMMING

Protocol	USITT DMX-512
Control channels	21 or 27
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
Movement control	tracking and vector
Software installation	serial upload (MUF)

ELECTROMECHANICAL EFFECTS

Lamp power	on/off, hot restrike
Dimmer/shutter	full-range dimming and variable speed flash, 8- or 16 bit control
Colors	two 8-position wheels, 8- or 16-bit control
Rotating gobos	6 positions with continuous and indexed rotation, 16-bit control
Static gobos	9 positions, 8-bit control
Gobo animation	variable rotation angle, indexed and continuous rotation, 8- or 16-bit control
Iris	ca. 2.5 mm - > 25 mm, 8- or 16-bit control
Focus	.2 m (6.5 ft.) - infinity, 8- or 16-bit control
Zoom	14° - 30°, 8- or 16-bit control
Pan	540°, 16-bit control
Tilt	246°, 16-bit control

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	2 pairs of 1/4-turn locks, offset 90°
Orientation	any

ORDERING INFORMATION

MAC 550 Profile, in cardboard	P/N 90217000
MAC 550 Profile in flight case	P/N 90217010

INCLUDED ITEMS

Lamp	OSRAM HTI 400/D3 (installed)
Fuse for use with 200 - 260 V power	T 6.3 A fuse (installed)
Fuse for use with 90 -130 V power	T 10 A
Clamp attachment brackets	.2 quarter-turn Omega
Gobo animation wheel	Radial breakup (installed)
Color filters	16 pieces (installed)
Gobos	13 aluminum, 2 glass (installed)

ACCESSORIES

Spiral breakup animation wheel	P/N 62325049
Linear breakup animation wheel	P/N 62325050
Coarse tangential animation wheel	P/N 62325051
Half-coupler clamp	P/N 91602005
G-clamp	P/N 91602003
MP-2 Uploader	P/N 90758420
MAC 500-size stock gobos	see www.martin.com