

# SPECIFICATIONS

## 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: .....	9300 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 <a href="http://www.martin.com">www.martin.com</a>