

Specifications

Physical

Length	712 mm (28.0 in.)
Width	536 mm (21.1 in.)
Height (head straight up)	936 mm (36.9 in.)
Weight	54.9 kg (121.0 lbs.)

Lamp

Type	1500 W discharge
Color temperature	6000 K
CRI (Color rendering index)	>90
Average lifetime	750 hours
Hot restrike	Semi-hot (under 90 seconds)
Socket	PGJ50
Ballast	Electronic

Dynamic Effects

Color mixing	CMY, independently variable 0 - 100%
Color temperature control	CTO, variable 6000 - 3200 K
Color wheel	7 interchangeable dichroic filters + open, indexing, continuous rotation, random color
Rotating aerial effects	Wheel with 4 interchangeable rotating aerial effects, effect indexing, continuous rotation and shake
Wash effect	Fade in/fade out
Iris	0 - 100%, pulse effects
Mechanical dimmer	0 - 100%
Mechanical shutter	Strobe and pulse effects, instant open and blackout
Focus	2 m (approx.) to infinity
Zoom	Motorized
Pan	540°
Tilt	268°
Position correction system	Absolute position monitoring

Control and programming

DMX channels	22
Setting and addressing	Control panel with backlit graphic display
16-bit control	Aerial effect indexing and rotation speed, dimmer, pan and tilt
DMX compliance	USITT DMX512-A
RDM compliance	ANSI/ESTA E1.20
Receiver	Opto-isolated RS-485
Firmware update	USB memory device or USB/DMX hardware interface

Service utilities

Fixture identification	Four-digit user-settable ID number
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Construction

Color	Black
Housing	Magnesium alloy, UV-resistant fiber-reinforced composite
Reflector	Glass, cold light
Protection rating	IP20

Aerial effect gobos

Size	Custom D47-d36
Outside diameter	47 mm (1.850 in.) +0/- 0.2 mm (0.008 in.)
Maximum image diameter	36 mm (1.417 in.) +/- 0.3 mm (0.012 in.)
Maximum thickness	1.1 mm (0.043 in.) +/- 0.1 mm (0.004 in.)
Recommended glass	Borosilicate 3.3 or better with dichroic or heavy matted aluminum coating

Installation

Mounting points	2 pairs of 1/4-turn locks
Orientation	Any
Minimum distance from illuminated surface	2.5 m (100 in.)
Minimum distance from combustible materials	0.2 m (8 in.)

Connections

AC power input	Neutrik PowerCon
DMX and RDM data in/out	5-pin locking XLR
Ethernet (Artnet II compatible, ACN-ready)	Neutrik RJ-45 socket (accepts Neutrik EtherCon connectors in housing)
USB devices (including USB memory storage)	USB host socket
Future USB options	USB device socket

Electrical

AC power	200-240 V nominal, 50/60 Hz
Power supply unit	Auto-ranging electronic switch-mode

Typical power and current

200 V, 50 Hz	1801 W, 9.0 A, PF 0.996
200 V, 60 Hz	1805 W, 9.1 A, PF 0.995
208 V, 60 Hz	1802 W, 8.8 A, PF 0.994
220 V, 50 Hz	1788 W, 8.2 A, PF 0.994
230 V, 50 Hz	1783 W, 7.8 A, PF 0.993
240 V, 50 Hz	1779 W, 7.5 A, PF 0.989
240 V, 60 Hz	1786 W, 7.5 A, PF 0.987

Measurements made at nominal voltage. Allow for a deviation of +/- 10%.

PF = power factor

Thermal

Maximum ambient temperature (T_a)	40° C (104° F)
Maximum surface temperature, steady state, $T_a = 40° C$	170° C (338° F)
Cooling	Filtered forced air (temperature-regulated, low noise)
Total heat dissipation (calculated, +/- 10% at 200 V, 60 Hz)	6160 BTU/hr

Approvals



EU EMC	EN 55 103-1, EN 55 015, EN 61 547
EU safety	EN 60598-2-17
US safety (pending)	ANSI/UL 1573
Canadian safety (pending)	CSA-E60598-1, CSA-E598-2-17

Included items

Osram Lok-it HTI 1500W/60/P50 - 7mm discharge lamp (installed)	P/N 97010348
2 omega clamp attachment brackets with quarter-turn fasteners	2 x P/N 91602001
User manual	P/N 35000265

Accessories

Power cable, AWG12, SJT, with Neutrik PowerCon NAC3FCA input connector, 3 m	P/N 11541503
Neutrik PowerCon NAC3FCA power input connector, cable mount, blue	P/N 05342804
Half-coupler clamp	P/N 91602005
G-clamp (suspension with yoke vertically downwards only)	P/N 91602003
Quick-trigger clamp (suspension with yoke vertically downwards only)	P/N 91602007
Omega clamp attachment bracket with 1/4-turn fasteners	P/N 91602001
T-shaped omega clamp attachment bracket with 1/4-turn fasteners	P/N 91602008
Swing-wing truss mounting plate with half-couplers	P/N 91602010
Super Truss 20.5" mounting plate with half-couplers	P/N 91602014
Safety wire, 70 kg SWL	P/N 91604004
Flightcase for 1 x MAC III	P/N 91510080

Spare parts

Base air filter, short	P/N 20800220
Base air filter, long	P/N 20800230
Head air filter	P/N 20800240

Related Items

Martin USB Duo™ DMX Interface Box	P/N 90703010
Martin RDM 5.5 Splitter™	P/N 90758150

Ordering information

MAC III AirFX in cardboard packing case	P/N 90206500
MAC III AirFX in flightcase	P/N 90206510

Specifications subject to change without notice. For the latest product specifications including photometric data, see www.martin.com