

Specifications

Physical

Length	712 mm (28.0 in.)
Width	536 mm (21.1 in.)
Height (head straight up)	936 mm (36.9 in.)
Weight	53.5 kg (117.9 lbs.)

Lamp

Type	1500 W discharge
Color temperature	6000 K
CRI (Color rendering index)	>85
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
Internal barndoors	Twin-blade system, independent blade control with continuous opening and 110° rotation, can be used in combination with iris
Iris	Continuously variable 0 - 100%, pulse effects
Mechanical dimmer	Continuously variable 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	21
Setting and addressing	Control panel with backlit graphic display
16-bit control	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

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

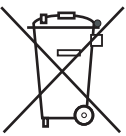
Ordering information

MAC III Wash in cardboard packing case P/N 90206520
MAC III Wash in flightcase P/N 90206530

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

<p>RISK GROUP 3:</p> <p>WARNING IR emitted from this product. Avoid eye exposure. Use appropriate shielding or eye protection. Do not look at operating lamp.</p> <p>Caution Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to the eyes.</p>	<p>Photobiological Safety Warning</p> <p>The label shown on the left is displayed on this product. If it becomes difficult or impossible to read, it must be replaced using the illustration on the left to reproduce a new label.</p> <p>FCC Compliance</p> <p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</p> <p>Canadian Interference-Causing Equipment Regulations - Règlement sur le Matériel Brouilleur du Canada</p> <p>This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. <i>Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le Matériel Brouilleur du Canada.</i></p>
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<p>MAC III™ products are covered by one or more of these patents: CN100567808; CN101430070; CN101430073; CN101430075; CN101430080; CN101435554; CZ17567U; DE60009334.4; EP1234197; EP1747399; EP2117284; US6241366; US6601973; US6687063; US6971770; US7222997; US7498756; US7559676; US7654693; US7703948; US7789525; US7789533; US7789543; US7905630; US7942535; US7954981; US7990673,</p> <p>and/or one or more of these patent applications: CN101430074; CN101430076; CN102155731; CN201080025103.3; CN2010800394588; DKPA201270221; EP10815017.8; EP10815018.6; EP2058589; EP2091302; EP2103864; EP2112431; EP2113714; EP2133626; EP2136136; EP2146141; EP2326150; EP2443381; US13/378,184; US13/394,924; US13/394,939; WO2011/029448; WO2011/029449; WO2011/085732,</p> <p>and/or one or more of these designs: CN300993074; CN301014852; CN301022860; CN301063459; EU000918891; USD612532S; USD614344; USD618377S; USD638573S,</p> <p>and/or one or more other intellectual property rights, including one or more intellectual property rights listed on www.martin.com/ipr</p>

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