

# Specifications

## Physical

Length	387 mm (15.2 in.)
Width	352 mm (13.9 in.)
Height	448 mm (17.6 in.), head straight up
Weight	21 kg (46.3 lbs.)

## Lamp

Type	150 W discharge
Fitted as standard	Philips MSD 150/2
Color temperature	8500 K
CRI (Color rendering index)	70
Average lifetime	3000 hours
Hot restrike	No
Socket	G12
Ballast	Magnetic
Approved alternative lamp	Philips CDM-SA/T 150W/942

## Dynamic Effects

Color wheel	8 interchangeable color filters + open, indexing and continuous scroll
Rotating gobo wheel	6 interchangeable gobos + open, indexing, continuous gobo rotation & scroll, shake
Shutter	Strobe effect 2 - 9 Hz, pulse effects, instant open and blackout, shutter fading
Focus	2 m (6.6 ft.) to infinity
Pan	600°
Tilt	257°

## Control and Programming

Control options	DMX, stand-alone, synchronized (master/slave)
DMX channels	12/15
Setting and addressing	Control panel with LED display
16-bit control	Rotating gobo indexing, pan and tilt
Movement control options	Tracking and vector
Protocol	USITT DMX512-A
Receiver	RS-485
Firmware update	Serial upload via DMX link

## Construction

Color(s)	Black or white
Housing	UV-resistant fiber-reinforced composite
Reflector	Glass, cold light
Protection rating	IP 20

## Gobos

Outside diameter	27.9 mm (1.1 in.) +0/- 0.3 mm (0.01 in.)
Maximum image diameter	23 mm (0.9 in.)
Maximum thickness	1.8 mm (0.1 in.)
Recommended glass	High-temperature Borofloat or better with dichroic or enhanced aluminum coating
Recommended metal	Aluminum (steel for temporary use only)

## Installation

Mounting points	Bayonet-mount quick release bracket or 2 pairs of 1/4-turn locks
Orientation	Any
Minimum distance to illuminated surfaces	250 mm (9.8 in.)
Minimum distance to combustible materials	100 mm (3.9 in.) from head, no min. distance from base

## Connections

AC power input	3-pin IEC
DMX data in/out	3-pin and 5-pin locking XLR

## Electrical

AC power	100-120/200-240 V nominal, 50/60 Hz
Power supply unit	User-reconfigurable voltage and frequency settings
Main fuses	4.0 AT (slow blow)

## Typical Power and Current

100 V, 50 Hz	229 W, 2.4 A, PF 0.967
100 V, 60 Hz	226 W, 2.3 A, PF 0.980
120 V, 60 Hz	230 W, 2.2 A, PF 0.897
208 V, 60 Hz	209 W, 1.1 A, PF 0.947
230 V, 50 Hz	216 W, 1.0 A, PF 0.951
240 V, 50 Hz	215 W, 1.0 A, PF 0.937

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

## Thermal

Cooling	Convection
Maximum ambient temperature (Ta max.)	40° C (104° F)
Maximum surface temperature, steady state, Ta=40° C	120° C (248° F)
Total heat dissipation (calculated, +/- 10%)	785 BTU/hr.

## Acoustic

Sound power level	27.5 dBA, steady state, lamp on, effects static, Ta=20° C (68° F), test conditions ISO 3743-2:1994
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## Approvals



EU safety	EN 60598-1, EN 60598-2-17
EU EMC	EN 55 015, EN 55 103, EN 61 000
US safety	ANSI/UL 1573
Canadian safety	CAN/CSA E60598-1, CAN/CSA-E598-2-17

## Included Items

Diffusion filter (installed)	P/N 41600062
Philips MSD 150/2 lamp (installed)	P/N 97010117
Quick-release mounting bracket, smartMAC	P/N 62406107
3 m power cable, angled 3-pin IEC input connector, without power plug	P/N 11501029
User manual	P/N 35000208

## Accessories

Philips CDM-SA/T 150 W lamp	P/N 97010111
Wash lens kit, black	P/N 91610034
Wash lens kit, white	P/N 91610035
G-clamp	P/N 91602003
Half-coupler clamp	P/N 91602005
Quick trigger clamp	P/N 91602007
Omega bracket with quarter-turn fasteners	P/N 91602001
T-shaped omega bracket with quarter-turn fasteners	P/N 91602008
Safety wire, universal, 50 kg safe work load	P/N 91604003
DMX cable, STP, 1 pair + shield, IEC/UL-CL, 1 m	P/N 91611242
DMX cable, STP, 1 pair + shield, IEC/UL-CL, 2 m	P/N 91611243
DMX cable, STP, 1 pair + shield, IEC/UL-CL, 5 m	P/N 91611244
DMX cable, STP, 1 pair + shield, IEC/UL-CL, 10 m	P/N 91611245
DMX cable, STP, 1 pair + shield, IEC/UL-CL, 20 m	P/N 91611246

## Spare parts

Philips MSD 150/2 lamp	P/N 97010117
4 AT main fuse	P/N 05020014
Diffusion filter	P/N 41600062
Quick-release mounting bracket	P/N 62406107

## Ordering Information

Martin™ smartMAC™ Profile, black, cardboard box	P/N 90231040
Martin™ smartMAC™ Profile, white, cardboard box	P/N 90231041

Specifications subject to change without notice. For the latest product specifications, see [www.martin.com](http://www.martin.com)