

# Specifications

## Physical

Length	377 mm (14.8 in.) including handles
Width (Base)	220 mm (8.7 in.)
Height	454 mm (17.9 in.), head horizontal
Height	471 mm (18.5 in.), head straight up
Weight	16.6 kg (36.6 lbs.)

## Dynamic Effects

Shutter effect	Electronic, with regular and random pulse, burst and strobe effects
Electronic dimming	0 - 100%, choice of four dimming curves
Color wheel	8 interchangeable dichroic filters + open, full and split colors, music trig, continuous rotation, random color
Rotating gobo wheel	6 interchangeable gobos + open, indexing, continuous gobo rotation & scrolling, shake
Iris	Motorized
Focus	2 m (6.6 ft.) to infinity
Pan	630°
Tilt	300°
Adjustable pan/tilt and effects speed	

## Optics

Light source	7 x Luminus CBT-90 (50 W) LEDs
LED lifetime	60 000 hours to minimum 70% luminous output*

\*Manufacturer's figure obtained under manufacturer's test conditions

## Control and Programming

Control options	DMX, stand-alone, synchronized (master/slave)
DMX channels	14/17
Setting and addressing	Control panel with LED display
Macro programs	10 pan/tilt and 10 effects macros, all with staggered start/chase feature
Macro selection	DMX or onboard control panel
Movement control options	Tracking and vector
Protocol	USITT DMX512/1990
Stand-alone memory	100 scenes
Stand-alone and master/slave programming	Control panel with LED display
Transceiver	RS-485
Fixture software update	Serial upload via DMX link
16-bit control	Rotating gobo indexing, pan & tilt

## Photometric Data

Color temperature	6500 K
CRI (color rendering index)	70
Efficiency	55%
Efficacy	17 lumens per watt
Total output	8000 lm

## 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)

## Construction

Color	Black
Housing	UV-resistant fiber-reinforced composite and die-cast aluminum
Protection rating	IP20

## Installation

Mounting points	2 pairs of 1/4-turn locks
Orientation	Any
Minimum distance to combustible materials	200 mm (7.9 in.)
Minimum distance to illuminated surfaces	0.5 m (1.6 ft.)

## Connections

AC power input	Neutrik PowerCon
DMX data in/out	.5-pin locking XLR

## Electrical

AC power	100-240 V nominal, 50/60 Hz
Maximum total power consumption	.463 W
Power supply unit	Auto-ranging electronic switch mode
Mains fuses	10 AT (slow blow) x 2
Standby power	.49 W (idle mode, dimmed to zero)

## Typical Power and Current

100 V, 50 Hz	418 W, 4.2 A, PF 0.996
100 V, 60 Hz	417 W, 4.2 A, PF 0.996
110 V, 60 Hz	439 W, 4.0 A, PF 0.996
120 V, 60 Hz	463 W, 3.9 A, PF 0.996
208 V, 60 Hz	405 W, 2.0 A, PF 0.971
230 V, 50 Hz	443 W, 2.0 A, PF 0.971
240 V, 50 Hz	452 W, 2.0 A, PF 0.962

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

*PF = Power Factor*

## Thermal

Cooling	Forced air (temperature-regulated, low noise, user-definable levels)
Maximum ambient temperature (Ta max.)	40° C (104° F)
Maximum surface temperature, steady state, Ta=40° C	70° C (158° F)
Maximum surface temperature after 5 minutes of operation, Ta=40° C	70° C (158° F)
Total heat dissipation (calculated, +/- 10%)	Max. 1580 BTU/hr.

## Approvals



EU safety	EN 60598-2-17, EN 62471
EU EMC	EN 55103-1, EN 55103-2, EN 55015, EN 61547
US safety	UL 1573
US EMC	FCC Part 15 Class A
Canadian safety	CSA E60598-1, CSA E598-2-17
Canadian EMC	ICES-003 Class A
Australia/New Zealand	C-TICK N4241

## Included Items

Two Omega clamp attachment brackets with 1/4-turn fasteners	P/N 91602001
Neutrik PowerCon NAC3FCA AC mains power input connector	P/N 05342804
User manual	P/N 35000242

## Accessories

Adaptor, 3-pin male XLR - 5-pin female XLR, straight	P/N 11820004
Adaptor, 5-pin male XLR - 3-pin female XLR, straight	P/N 11820005
G-clamp	P/N 91602003
Half-coupler clamp	P/N 91602005
Quick trigger clamp	P/N 91602007
T-shaped omega bracket with quarter-turn fasteners	P/N 91602008

Omega bracket .....	P/N 91602001
Safety wire, universal, safe working load 50 kg (110.2 lbs.) .....	P/N 91604003
Four-unit flightcase for 4 x MAC 350 .....	P/N 91510160

**Related Items**

Martin USB Duo DMX Interface Box .....	P/N 90703010
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**Spare parts**

10 AT mains fuse .....	P/N 05021029
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**Ordering Information**

MAC 350 Entour, black, in cardboard box .....	P/N 90231400
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*Specifications subject to change without notice. For the latest product specifications, see [www.martin.com](http://www.martin.com)*



**Disposing of this product**

Martin™ products are supplied in compliance with Directive 2002/96/EC of the European Parliament and of the Council of the European Union on WEEE (Waste Electrical and Electronic Equipment), as amended by Directive 2003/108/EC, where applicable.

Help preserve the environment! Ensure that this product is recycled at the end of its life. Your supplier can give details of local arrangements for the disposal of Martin products.