

SPECIFICATIONS - MAC 250 KRYPTON

PHYSICAL

Base length	375 mm (14.8 in)
Base width	315 mm (12.4 in)
Yoke width	393 mm (15.5 in)
Height	538 mm (21.2 in)
Weight	22.4 kg (49 lbs)

SOURCE

Lamp	250 W discharge
Base	GY 9.5
Approved models:	
Philips MSD 250/2	3000 hr, 8500 K, 250 W
Osram HSD 250/78	3000 hr, 7800 K, 250 W
GE CSD 250/2	2000 hr, 9000 K, 250 W

PHOTOMETRICS

Total output	5000 lumens
One-tenth peak output	5000 lumens
Cutoff angle	20.1 degrees
One-tenth peak angle	19.2 degrees
Measurement conditions	230 V, 50 Hz; no effects applied
Measurement source	Philips MSD 250/2

CONTROL AND PROGRAMMING

Data input	locking 3-pin and 5-pin XLR male sockets
Data output	locking 3-pin and 5-pin XLR female sockets
Data pinout	pin 1 shield, pin 2 cold (-), pin 3 hot (+)
Receiver	Opto-isolated RS-485
Protocols	USITT DMX-512 (1990)
DMX Channels	14 (16-bit mode) or 17 (16-bit extended mode)

AC POWER

Operating range	100 - 250 V, 50/60 Hz
AC input	3-prong IEC male socket

TYPICAL POWER AND CURRENT

100 V, 50 Hz*	319 W, 3.8 A, PF 0.83
100 V, 60 Hz.	317 W, 3.4 A, PF 0.93
120 V, 50 Hz.	320 W, 2.9 A, PF 0.91
120 V, 60 Hz.	314 W, 2.7 A, PF 0.96
208 V, 50 Hz.	320 W, 1.9 A, PF 0.81
208 V, 60 Hz.	319 W, 1.7 A, PF 0.92
230 V, 50 Hz.	323 W, 1.6 A, PF 0.89
230 V, 60 Hz.	326 W, 1.5 A, PF 0.95
250 V, 50 Hz.	326 W, 1.5 A, PF 0.89
250 V, 60 Hz.	325 W, 1.4 A, PF 0.96

V = volts, Hz = hertz, W = watts, A = amps, PF = power factor

Allow for a deviation of +/- 10% from typical figures listed above.

Measurements made at nominal voltage. Local supply voltages can vary by +/- 10%.

**A transformer modification may be necessary for operation with measured RMS supply voltages between 105 and 110 VAC at 50 Hz. Your Martin distributor can give details.*

FUSES

Main fuse	6.3 A / 250 V, time-delay	– P/N 05020020
Fuse F1	6.3 A / 250 V, time-delay	– P/N 05020020
Fuse F2	2.0 A / 250 V, time-delay	– P/N 05020009

THERMAL

Maximum ambient temperature (T_a)	40° C (104° F)
Maximum surface temperature	160° C (248° F)

GOBOS

Outside diameter	22.5 mm + 0/- 0.3 mm (0.886 in. +0/- 0.012 in)
Maximum image diameter	17 mm (0.669 in)
Maximum thickness	1.8 mm (0.071 in)
Glass type	high temperature Borofloat or better
Glass coating	dichroic or enhanced aluminum
Metal	aluminum (steel okay for short use)

CONSTRUCTION

Housing	UV-resistant fiber-reinforced composite
Ingress protection factor	IP 20

INSTALLATION

Orientation	any
Minimum distance to combustible materials	0.1 m (4 in)
Minimum distance to illuminated surfaces	0.3 m (12 in)

APPROVALS



EU EMC	EN 55 103-1, EN 55 015, EN 61 547
EU safety	EN 60598-2-17
US safety	ANSI/UL 1573
Canadian safety	CSA C22.2 NO 166

INCLUDED ITEMS

Philips MSD250/2 lamp (installed)	P/N 97010100
Omega bracket, MAC 250/300 1/4-turn	P/N 91602000
XLR cable, 5 m (16.4 ft), black, 3-pin	P/N 11820008
Mains cable, 3 m (9.8 ft), IEC 3-pin	P/N 11501013
User manual	P/N 35000126

ACCESSORIES

G-clamp	P/N 91602003
Half-coupler clamp	P/N 91602005
Flight case (holds 2 fixtures)	P/N 91510014
DMX termination plug (3-pin male XLR)	P/N 91613017
The Wife DMX Tester	P/N 91611038
MP-2 Uploader	P/N 90758420

ORDERING INFORMATION

MAC 250 Krypton (packed in cardboard box)	P/N 90225600
MAC 250 Krypton (in flightcase)	P/N 90225610