

SPECIFICATIONS - MAC 250 ENTOUR

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)

AC POWER

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

MAXIMUM POWER AND CURRENT

100 V, 50 Hz	319 W, 3.8 A, PF 0.8
100 V, 60 Hz	317 W, 3.4 A, PF 0.9
120 V, 50 Hz	320 W, 2.9 A, PF 0.9
120 V, 60 Hz	314 W, 2.7 A, PF 1.0
208 V, 50 Hz	320 W, 1.9 A, PF 0.8
208 V, 60 Hz	319 W, 1.7 A, PF 0.9
230 V, 50 Hz	323 W, 1.6 A, PF 0.9
230 V, 60 Hz	326 W, 1.5 A, PF 1.0
250 V, 50 Hz	326 W, 1.5 A, PF 0.9
250 V, 60 Hz	325 W, 1.4 A, PF 1.0

Note: Measurements have a margin of error of +/- 10%

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

THERMAL

Maximum ambient temperature (T _a)	40° C (104° F)
Maximum surface temperature	120° C (248° F)

INSTALLATION

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

FUSES

Main fuse	6.3 A / 250 V, time-delay
Fuse F1	6.3 A / 250 V, time-delay
Fuse F2	2.0 A / 250 V, time-delay

LAMPS

Philips MSD 250/2	3000 hr, 8500K, 250 W
Osram HSD 250/78	3000 hr, 7800K, 250 W
GE CSD 250/2	2000 hr, 9000K, 250 W

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)

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	Krypton - 14/17, Entour 15/18

DESIGN STANDARDS

Canadian safety	CSA C22.2 NO 166
EU EMC	EN 50 081-1, EN 50 082-1
EU safety	EN 60598-1, EN 60598-2-17
US safety	ANSI/UL 1573
CE approved	

PHOTOMETRICS (ENTOUR)

Entour standard

Total output	5000 lumens
One-tenth peak output	5000 lumens
Cutoff angle	18.1 degrees
One-tenth peak angle	17.2 degrees

Entour narrow

Total output	4000 lumens
One-tenth peak output	4000 lumens
Cutoff angle	14.6 degrees
One-tenth peak angle	13.6 degrees
Measurement conditions	230 V, 50 Hz; no effects applied
Measurement source	Philips MSD 250/2

INCLUDED ITEMS

Omega bracket, MAC 250/300 1/4-turn
XLR cable, 5 m, black, 3-pin
Mains cable, 3 m, IEC 3-pin
14° lens
User manual

ACCESSORIES

G-clamp	P/N 91602003
Half-coupler clamp	P/N 91602005

ORDERING INFORMATION

MAC 250 Entour (packed in cardboard box)	P/N 90225710
MAC 250 Entour (in flightcase)	P/N 90225700