

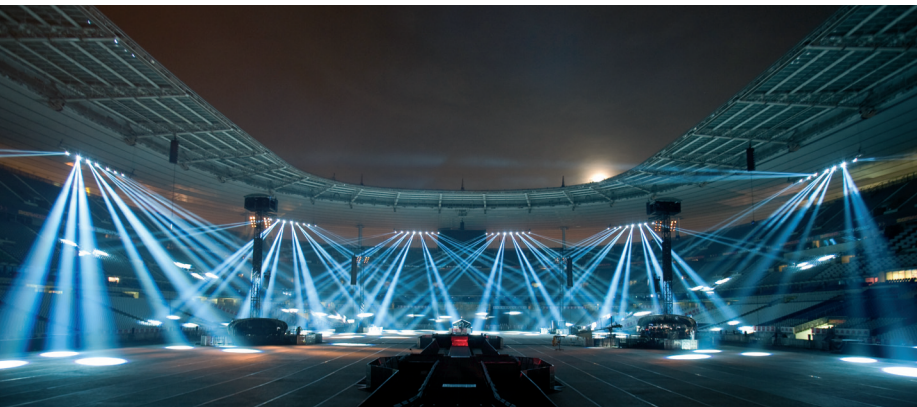
MAC 2000 Beam XB™ / MAC 2000 Beam™

Convert any MAC 2000 Wash XB or MAC 2000 Wash into a powerful beam fixture



Martin®

Get the most out of your gear!



Indochine
Stade de France
Lighting Designer:
Olivier Payen
Rental Company: Arpege

Easily convert two of the most advanced wash lights on the market - the Martin MAC 2000 Wash XB and MAC 2000 Wash - into a powerful beam fixture with an inexpensive conversion kit that installs in minutes.

Ideal for any large scale event where both beam and wash effects are required such as stadium and arena shows, the conversion kit gets the most out of your gear, eliminating the need to invest in a completely new fixture.

Simple, inexpensive upgrade

The MAC 2000 Beam XB upgrade kit consists of a new front lens module with micro-Fresnel lens and a set of four beam effect gobos/apertures. The kit installs in less than 5 minutes and also works with the MAC 2000 Wash.

Components can be easily uninstalled and the fixture returned to a standard Wash configuration at any time.

Super bright

The 1500 W MAC 2000 Beam XB delivers a fat, tight and amazingly bright hard-edge beam, perfect for big beam effects and long throws. Even at very narrow beam angles, output is outstanding with very high intensity.

An electronic ballast offers hot-lamp re-strike and the advantage of flicker-free light.

High efficacy and efficient optics

The extremely high output from the MAC 2000 Beam XB is made possible by a combination of high efficacy and very efficient optics. If users require the fixture to match the power output of existing 1200 W fixtures, a reduced 1200 W mode can be employed, saving energy and increasing lamp life.

Compact yet loaded

Despite a surprisingly compact size, the MAC 2000 Beam XB includes all the proven features of the MAC 2000 Wash XB including full color mixing, color wheel, smooth dimming, strobe, variable CTO, and zoom (wash effect).

Seamless color mixing plus color wheel

The MAC 2000 Beam XB's color mixing system offers a broad spectrum of colors. A four-position (plus open) color wheel is interchangeable, allowing designers to customize shades and complement perfectly the fixture's CMY color mixing system.

Smooth dimming and strobe

The fixture allows for very smooth fading via a combined dimmer/shutter. Mechanical dimming is from 0 to 100%, and the shutter offers rapid strobe effects up to 10 Hz with instant open and blackout. In addition to mechanical dimming, an optional dimming wheel can replace the color wheel.

Color temperature flexibility

A continuously variable color correction system adds the flexibility to gradually and smoothly increase or decrease color temperature. It is also useful when working alongside tungsten halogen or for smoothing out color temperature inconsistencies when working alongside older lamps.

Beam effect gobos

A gobo wheel with 4 static beam effect gobos/apertures plus open allows for wider or tighter beam effects as well as multiple beams or cone looks.

Zoom option wash effect

With a motorized zoom option, the fixture generates a wash effect instead of a hard-edge beam. The wash effect can be zoomed from tight to wide.

Proven reliability

The MAC 2000 Beam XB keeps the same optical train, effects and form as the MAC 2000 Wash XB, guaranteeing advantages such as proven reliability.

Easy to use and maintain

The MAC 2000 Beam XB is constructed of rugged, modular components for easy maintenance. It has an auto-ranging switch-mode for worldwide use and features the no hassle reliability that has made the MAC 2000 series a market leader.



Specifications

Physical

Length: 408 mm (16.1 in.)
Width: 490 mm (19.3 in.)
Height: 764 mm (30.1 in.), head straight up
Weight: 36.6 kg (80.7 lbs.)

Lamp

Type: 1500 W short-arc discharge
Fitted as standard: Osram HTI 1500 W/D7/60 SharXS
Color temperature: 6000 K
CRI (Color rendering index): >90
Average lifetime: 750 hours
Hot restrike: Yes
Socket: Double-ended SFC 10-4 with key
Ballast: Electronic

Dynamic Effects

Color mixing: CMY, independently variable 0 - 100%
Color correction: 0 - 178 mireds, continuously variable
Color wheel: 4 interchangeable filters (incl. UV transmitter), full and split colors, continuous rotation
Beam effects: Wheel with 4 interchangeable beam effect gobos plus open
Mechanical dimmer: 0 - 100%
Shutter: Strobe effect up to 10 Hz, pulse effects, instant open and blackout
Zoom: Motorized
Hyper mode: Narrow beam with diffuser removed
Pan: 540°
Tilt: 267°

Control and Programming

DMX channels: 19/21
Setting and addressing: Control panel with LED display
16-bit control: Pan & tilt
Movement control options: Tracking and vector
Protocol: USITT DMX512/1990
Receiver: Opto-isolated RS-485
Firmware update: Serial upload via DMX link

Construction

Color(s): Black
Housing: UV-resistant fiber-reinforced composite
Reflector: Glass, cold light
Protection rating: IP20

Installation

Mounting points: 4 pairs of 1/4-turn locks, 45° orientation possible
Orientation: Any

Connections

AC power input: 3 m (9.8 ft.) integral cable without power plug
DMX data in/out: 3-pin and 5-pin locking XLR

Electrical

AC power: 200-240 V nominal, 50/60 Hz
Power supply unit: Auto-ranging electronic switch-mode
Main fuse: 15 AT (x 2)

Thermal

Cooling: Filtered forced air (temperature-regulated)
Maximum ambient temperature (Ta max.): 40° C (104° F)
Maximum surface temperature, steady state, Ta=40° C (104° F): 175° C (347° F)
Total heat dissipation (calculated, +/- 10% at 230 V, 50 Hz): 6120 BTU/hr.

Approvals

EU safety: EN 60598-2-17
EU EMC: EN 55 015, EN 55 103-1, EN 61 547
US safety: UL 1573
Canadian safety: CAN/CSA E60598-1, CAN/CSA E598-2-17

Included Items

Osram HTI 1500 W/D7/60 SharXS lamp (installed): P/N 97010322
30 mm (1.2 in.) aperture ring: P/N 23807480
40 mm (1.6 in.) aperture ring: P/N 23807460
45 mm (1.8 in.) aperture ring: P/N 23807470
Two Omega clamp attachment brackets with 1/4-turn fasteners: P/N 91602001

The MAC 2000 Wash XB Beam Upgrade Kit contains the following items:

MAC 2000 XB Beam front lens assembly: P/N 55204010
Small Aperture Ø18 beam effect gobo: P/N 43006015
Cone beam effect gobo: P/N 43006012
Medium Aperture Ø28 beam effect gobo: P/N 43006014
Three Dots beam effect gobo: P/N 43006013
Warning label (min. distance to illuminated surfaces): P/N 33150093

Accessories

GE CSR1500/S/DE/60S Staybright lamp: P/N 97010332
Philips MSR Gold 1510 SA/DE lamp: P/N 97010345
G-clamp: P/N 91602003
Half-coupler clamp: P/N 91602005
T-shaped omega bracket with quarter-turn fasteners: P/N 91602008
Quick trigger clamp: P/N 91602007
MAC 2000 double flightcase: P/N 91510017

Ordering Information

Beam Kit for MAC 2000 Wash and XB: P/N 91610103