MAC 2000 Beam XB™ Specifications

Easily convert any MAC 2000 Wash XB™ or MAC 2000 Wash™ luminaire into a powerful beam fixture with an inexpensive conversion kit that installs in minutes. Amazingly bright, the MAC 2000 Beam XB also includes smooth dimming, strobe, full color mixing, variable CTO, color wheel, and gobos.

Features

Brings new life to existing MAC 2000 Wash XB and MAC 2000 Wash fixtures

Installs in less than 5 minutes

Super bright

Eliminates need to invest in a new fixture

4-position beam effects wheel: interchangeable beam effect gobos

Ideal when powerful beam and wash effects are required

Easy conversion back to a standard wash

Most compact fixture in its class

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)

Typical Power and Current
200 V, 50 Hz: 1787 W, 9.0 A, PF 0.993
208 V, 60 Hz: 1793 W, 8.7 A, PF 0.991
230 V, 50 Hz: 1780 W, 7.8 A, PF 0.989
230 V, 60 Hz: 1787 W, 7.9 A, PF 0.987
240 V, 50 Hz: 1773 W, 7.5 A, PF 0.988
Measurements made at nominal voltage. Allow for a deviation of +/- 10%.

Thermal
Cooling: Filtered forced air (temperature-regulated)
Maximum ambient temperature (Ta max.): 40° C (104° F)
Maximum surface temperature, steady state, Ta=40° C: 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