

MAC 2000 Wash XB™



Martin®

No compromise, simply brighter

The MAC 2000 Wash XB takes the proven qualities of the world's favourite wash light, the MAC 2000 Wash, and adds even greater brightness – without compromising the virtues loved by designers and technicians alike

- Incredibly bright with over 60,000 lumens
- Same features as MAC 2000 Wash – now 40% brighter with a 1500 W lamp
- Most compact product in its league – same body as the MAC 2000 Wash
- Flexibility with four easily interchangeable lens options
- Upgrade Kit rejuvenates your existing stock of MAC 2000 Wash fixtures



The MAC 2000 Wash XB keeps the same compact form as the MAC 2000 Wash

Extremely bright. Extremely MAC

Since its release for the new millennium, the MAC 2000 Series has built up a reputation for superb performance and technical excellence, and has been hugely influential in the market. With the MAC 2000 Wash XB, Martin lets you continue your relationship with the MAC 2000, only now with added brightness, without compromising the quality, reliability, and cost savings over the product lifetime that you expect from Martin.

Now with 1500 W lamp

The 1500 watt Osram lamp allows us to achieve an extremely bright output of over 60,000 lumens, depending on the lens option used. The new electronic ballast offers hot-lamp re-strike and the advantage of flicker-free light. The powerful fans ensure that the extra heat generated by the lamp is removed efficiently.

Vary and adapt colors

The two four-position (plus open) color wheels are interchangeable, allowing you to complement perfectly the CMY color mixing system. The continuously variable color correction system (CTO) adds that extra flexibility to gradually and smoothly change color temperature.

Flexible lens system

The motorized zoom works with the four lens options (three supplied and one optional accessory). This provides a choice of spread-angles from very long throws to smooth projection over short distance. The various lens options can be changed without changing internal parts.

Hypermode

As something special, the zoom lens can also be removed entirely, for the 'hyper-mode' that gives a fixed but intensely powerful beam. Martin was the first to present this solution to the market, which simply requires a single click to activate.

Reduced 1200 W mode

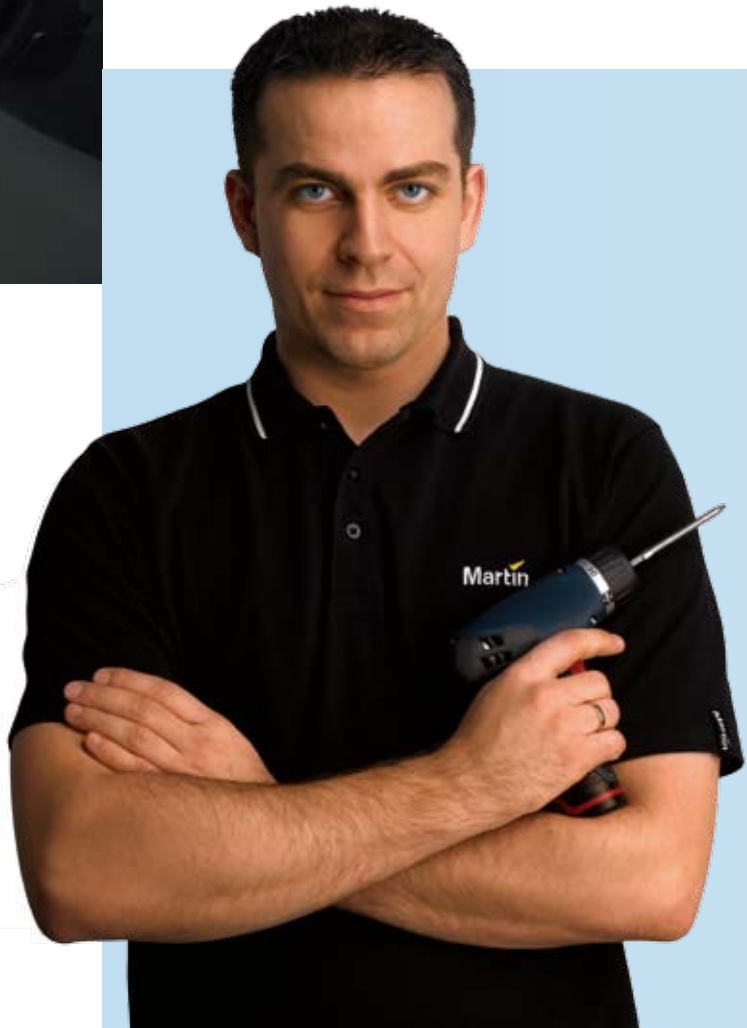
High efficacy and very efficient optics characterize the MAC 2000 Wash XB. However, the MAC 2000 Wash XB also has a reduced 1200 W mode, if you require the fixture to match the output level of existing 1200 W fixtures, saving energy and increasing lamp life.

Modular and compact

The MAC 2000 Wash XB keeps the same optical train, effects and form factor as the MAC 2000 and therefore offers the advantages known compactness and modularity, in addition to extreme brightness.

Easy to use and maintain

With the MAC 2000 Wash XB, you can still enjoy the proven advantages of modular construction for ease of maintenance, auto-ranging switch-mode for worldwide use, and the rugged reliability that has made the MAC 2000 a market leader.



“It is the only instrument I’ve found that can survive long distance throws and still get enough intensity to survive the process of television. We were using lights at distances of about 150-175 meters...there is no way anyone could do a production of this nature without using the MAC 2K Wash.”

Lighting Designer Bob Dickinson commenting on his choice of MAC 2000 Wash for the Opening Ceremony of the Special Olympics Summer Games in China.

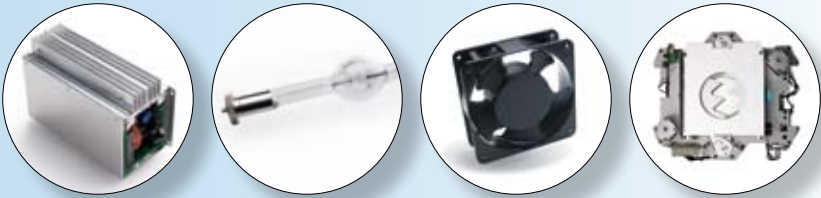
Rejuvenate existing stock with the Upgrade Kit

In addition to buying the MAC 2000 Wash XB as a standard product, we also provide an Upgrade Kit that will bring your existing stock of MAC 2000 Wash fixtures to the XB level of performance – for a comparatively small investment.

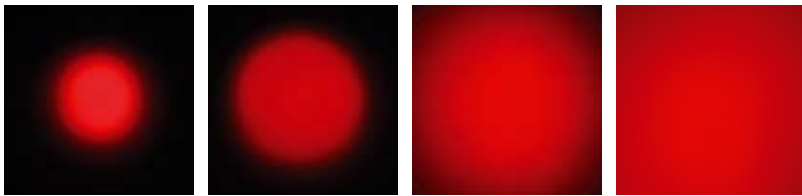
Upgrade easily to XB

The Upgrade Kit includes a new 1500 watt lamp, lamp socket module, electronic ballast, starter, heat filter, fans for more efficient cooling, color mixing module, base cover plates with new logo plus other minor parts. Taking advantage of the modularity of the MAC 2000, the Upgrade Kit can be installed quickly and easily, with the skilled assistance of a technician from your local Martin partner.

Upgrade Kit



CMY color mixing system



Very narrow lens (supplied) 9.5° - 33°	Narrow lens (supplied) 12.5° - 35°	Medium lens (supplied) 12.5° - 39°	Very wide lens (accessory) 73° - 91°
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MAC 2000 Wash XB

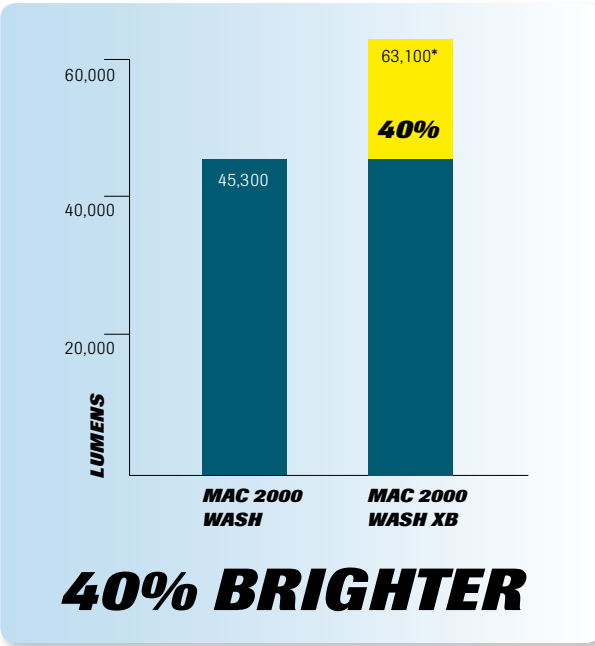
Photometric data

Very wide lens accessory

In addition to the choice of lenses presented here, a very wide lens with a range of 73° to 91° is also available as an optional accessory and is perfect for producing smooth short distance projections.

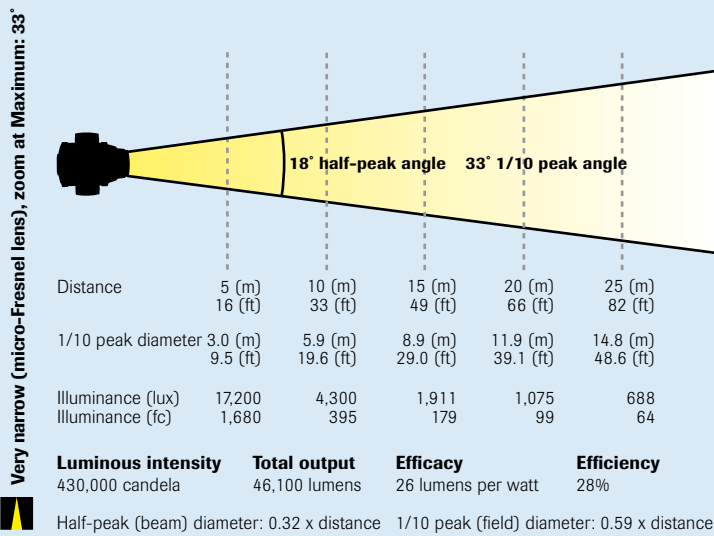
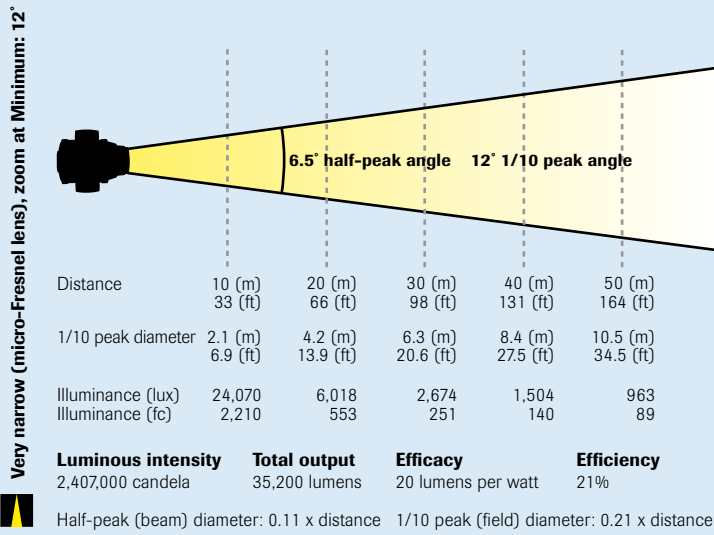
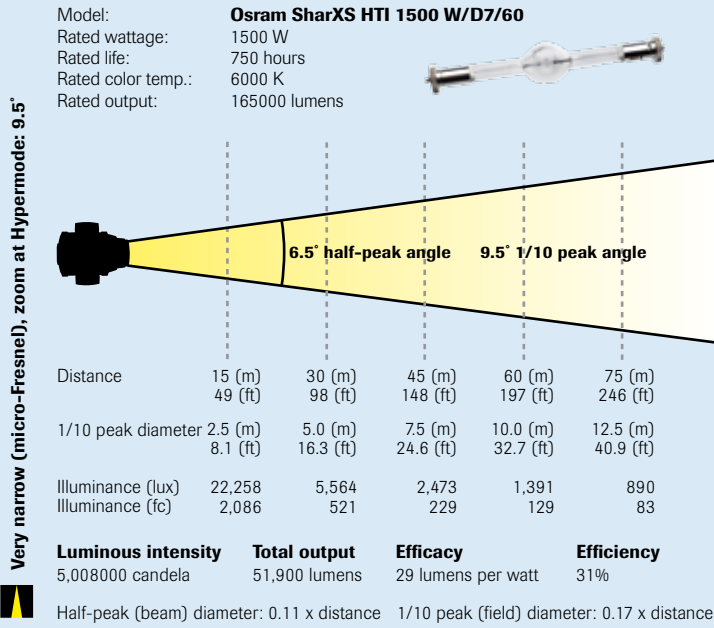
Visit the Product Resource Center

You can find full photometrics, product specifications, and much more about the MAC 2000 Wash XB on the Martin website – simply click on ‘Resource Center’ for the product in question at www.martin.com

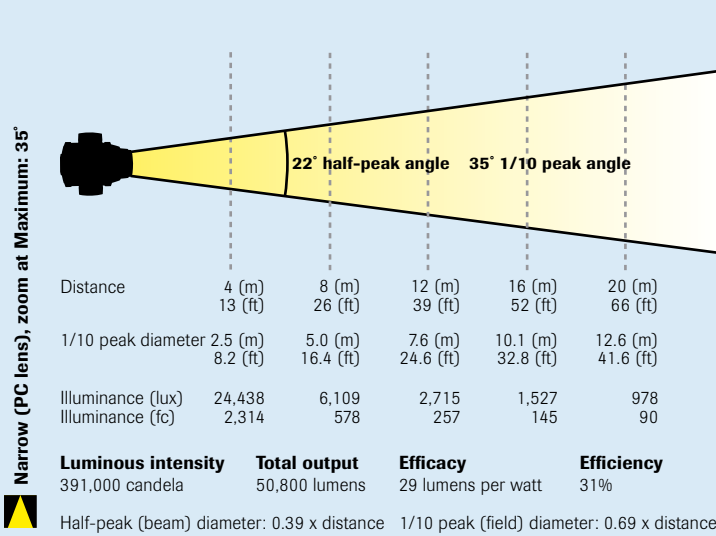
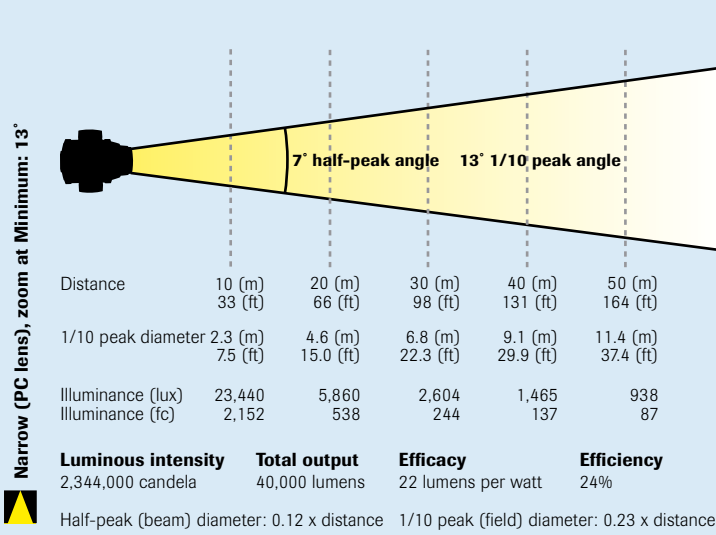
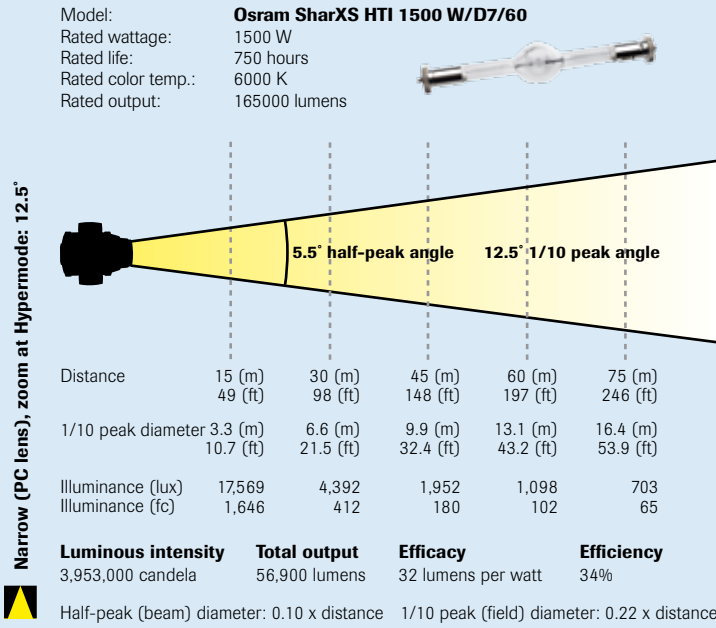


* measured with a very wide lens option

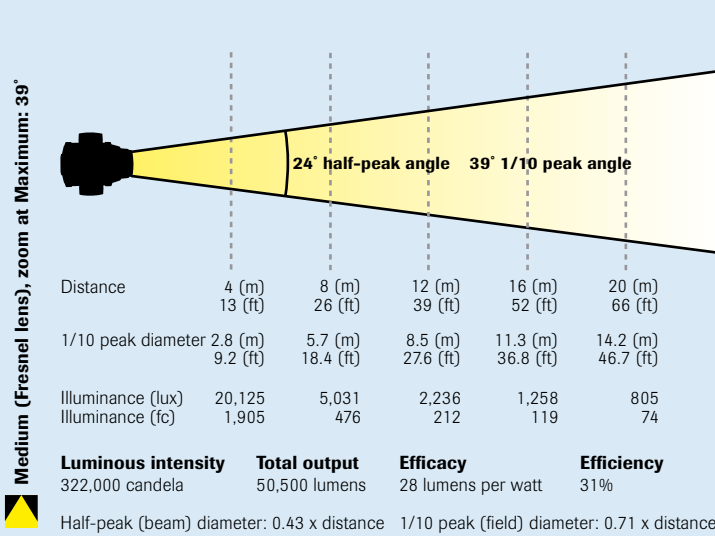
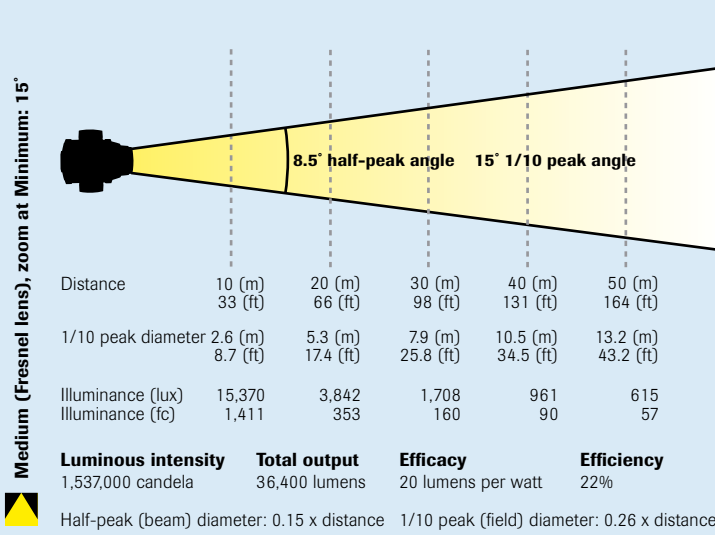
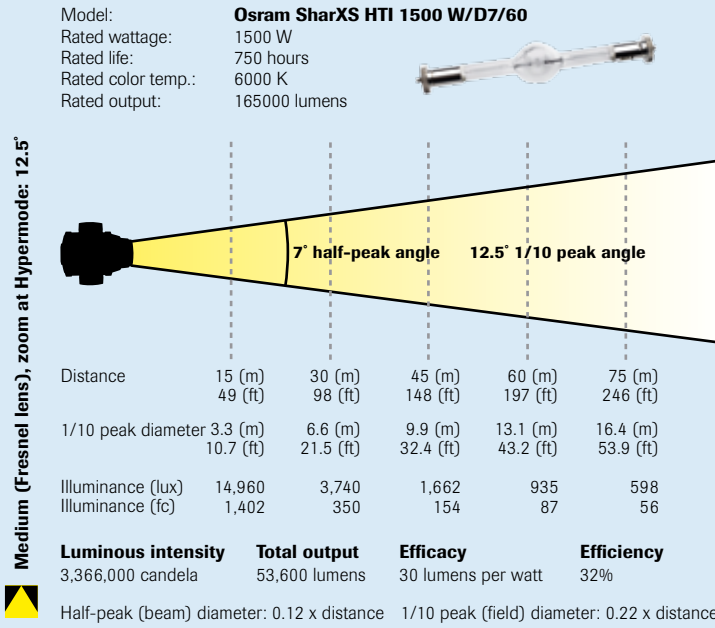
Very narrow



Narrow



Medium



Specifications

PHYSICAL

Length:	408 mm (16.1 in.)
Width:	490 mm (19.3 in.)
Height:	750 mm (29.5 in.), head straight up
Weight:	38 kg (83.8 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:	2 wheels, each with 4 interchangeable filters + open position
Mechanical dimmer:	0 - 100%
Shutter:	Strobe effect up to 10 Hz, pulse effects, instant open and blackout
Zoom:	Very narrow (micro-Fresnel) 9.5° - 33° Narrow (PC lens) 12.5° - 35°, Medium (Fresnel lens) 12.5° - 39°, Very wide (multi-array lens) 73° - 91°, all with 50 mm (2.0 in.) aperture
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 (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:	CSA E60598-1, E598-2-17

INCLUDED ITEMS

Osram HTI 1500 W/D7/60 SharXS lamp (installed):	P/N 97010322
Front module with Fresnel lens (installed):	P/N 55203003
Front module with PC lens:	P/N 55203006
Front module with micro-Fresnel lens:	P/N 91610092
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

ACCESSORIES

MAC 2000 Wash Dimmer Wheel:	P/N 62324018
Multi-array lens (very wide-angle):	P/N 55203012
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
MAC 2000 double flightcase:	P/N 91510017

ORDERING INFORMATION

MAC 2000 Wash XB in double flightcase:	P/N 90204000
MAC 2000 Wash XB in cardboard box:	P/N 90204015
MAC 2000 Wash XB Upgrade Kit:	P/N 91310980

