

ERA 500 Hybrid IP

370W HYBRID OUTDOOR IP65-RATED BEAM, SPOT AND WASH FIXTURE

SPEC SHEET



The Martin ERA 500 Hybrid IP is a super versatile, high performance, full featured, outdoor IP65-rated moving head work horse fixture that combines a beam, spot, and wash in a single fixture. It features high output, 1:20 zoom range, CMY color mixing, overlaying prism effects, and a compact design.

With durable engineering and serviceability, it is an ideal fixture to support the rigors of today's rental market. It's outdoor-rating makes it perfect for just about any outdoor weather conditions, even music festivals where it can be sitting outside temporarily for extended periods of time.

The product is ideal for supporting small- to mid-sized productions such as concerts, tours and corporate applications.

KEY MESSAGES

SUPERIOR LAMP TECHNOLOGY

The ERA 500 Hybrid IP features an efficient optical system that pushes 22,000 lumens from a 370W short arc lamp with an extended lamp life of 6,000 hours. The high output, value-driven design supports users who require a true "Beam" Hybrid for outdoor use but without the cost and inconvenience of short term lamp replacement.

FULLY OUTDOOR RATED

The ERA 500 Hybrid IP's IP65 ingress protection rating allows the user to install the fixture outdoors for temporary installations and events where inclement weather can cause problems with rigging and operation of standard indoor fixtures. The fixture further holds a C3-M corrosion rating and an IK07 vandalism rating, for high durability and peace of mind.

GREAT COLOR PALETTE

The CMY color mixing offers subtle pastels to vibrant colors, as well as fast transitions and smooth fades. The color wheel produces nice color splits, fast color bumps and extends overall color gamut and brightness. The color wheel also features CTO, 1/2 CTO and 1/4 CTO correction filters for perfect color temperatures matching in TV shows.

ARRAY OF MID-AIR EFFECTS

The ERA 500 Hybrid IP features two prisms with the ability to overlay one over another. This allows for a huge array of mid-air effects from the industry standard multi-faceted circular look to the popular linear look, overlaying both linear and circular can create even more dynamic looks on camera or on stage.

EXTENSIVE ZOOM RANGE

The ERA 500 Hybrid IP features a great 1:20 zoom range functional in Beam, Spot and Wash mode, allowing for a true all-in-one fixture to be used in a great variety of indoor and outdoor events and shows.

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FEATURES

- IP65 Outdoor Rated Hybrid Moving Head
- Bright short-arc 370W lamp with 6000 Hour Lamp Life
- Full CMY Color Mixing System
- Color Wheel including CTO, 1/2 CTO, 1/4 CTO
- Rotating and indexing gobo wheel with 9 gobos plus open
- Static gobo wheel with 15 gobos plus open
- 2 Rotating/Indexing prisms with overlaying effect
- Extensive 1:20 Zoom with Beam, Spot and Wash modes
- Motorized Focus
- Outdoor rated PowerCON and DMX connection

ORDERING INFORMATION

- Martin ERA 500 Hybrid IP in cardboard box..... P/N 9025122033
- Flightcase, two unit for ERA 500 Hybrid IP P/N 901512203

INCLUDED ITEMS

- 2 x Omega brackets for rigging clamp attachment

RELATED ITEMS

- Martin™ RDM 5.5 Splitter P/N 90758150
- Martin Companion Cable..... P/N 91616091
- Martin Companion Software Suite (including firmware uploader)



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TECHNICAL SPECIFICATIONS

PHYSICAL

Length	560 mm (22.1in.)
Width	360 mm (14.2in.)
Height	796 mm (31.4in.)
Weight	46.5 kg (102.6lbs)

DYNAMIC EFFECTS

Mechanical 'shutter' effect	Strobe effect, pulse effects, instant open and blackout
Mechanical dimming	0 - 100%
Color mixing	CMY, independently variable 0-100%
Color wheel	9 color filters plus open
Rotating gobo wheel	9 gobos plus open, wheel rotation, gobo rotation, indexing and shake
Static gobo wheel	15 gobos plus open, wheel indexing, rotation and shake
Frost filter	Wash effect
Beam smoother	Flat field projection for spot mode
Zoom	Motorized
Focus	Motorized
Prism	2 rotating/indexing prisms (overlying)
Pan	540°, coarse & fine control and speed
Tilt	260°, coarse & fine control and speed

CONTROL AND PROGRAMMING

Control options	DMX, RDM
16-bit control	Dimming, pan and tilt
Setting and addressing	Control panel with backlit LCD display and via RDM
DMX channels	24
DMX compliance	USITT DMX512/1990
RDM compliance	ANSI/ESTA E1.20
Transceiver	Opto-isolated RS-485

OPTICS

Front lens diameter	143 mm (5.63in.)
Zoom range - Beam	2° - 40°
Light source	370W Philips MSD Platinum 18 R LL
Maximum lifetime	6000hrs

PHOTOMETRIC DATA

Light engine luminous output	22000 lumens
Fixture luminous output	TBD
CRI (Color Rendering Index)	→70
CCT	6500 Kelvin

CONSTRUCTION

Housing	Diecast aluminium alloy, High-impact flame-retardant thermoplastic
Color	Black/White
Effective Projected Area (EPA)	0.1 m ²
Impact resistance	IK07
Ingress Protection rating	IP 65
Corrosion resistance	C3 medium (ISO 12944)
RoHS compliant	

GOBOS

Gobo diameter	15.8 mm +/- 0.2 mm (in. +/- 0.008 in.)
Maximum image diameter	10.0 mm (0.39in.)
Gobo thickness, maximum	1.1mm borosilicate glass

INSTALLATION

Installation mounting points	Two quarter-turn brackets for rigging clamps
Orientation	Any

CONNECTIONS

AC power input	Neutrik powerCON TRUE1 (IP65)
DMX data in/out	5-pin locking XLR (IP65)

ELECTRICAL

AC power	100-240V nominal, 50/60 Hz
Power supply unit	Auto-ranging electronic switch mode
Fuse	T 10A

TYPICAL POWER AND CURRENT

120V, 60Hz	5.4A, 645W, PF 0.994
230V, 50Hz	2.8A, 624W, PF 0.985

Measurements made at nominal voltage.
Allow for a deviation of +/- 10%. PF = power factor.

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TECHNICAL SPECIFICATIONS

THERMAL

Cooling Forced air (temperature regulated, low noise)
Maximum ambient temperature..... 40° C
Minimum ambient temperature..... -20° C
Maximum surface temperature, steady state, at 40° C ambient 70° C (158° F)
Total heat dissipation 2120 BTU/hr (calculated, +/- 10%)
Power must be maintained below 0° C (32° F)

APPROVALS

EU safety EN 60598-2-17 (EN 60598-1), EN 62471, EN 62493
EU EMC EN 55015; EN 55032; EN 55035; EN 61000-3-2,-3; EN 61547
US safety UL 1573
US EMC FCC Part 15 Class B
Canadian safety CSA C22.2 No. 166
Canadian EMC..... ICES-003 Class B, ICES-005 Class B
Australia/NZ RCM
Global CB Certification/IECEE IEC 60598-2-17 (IEC 60598-1)

