

ERA 800 PROFILE

800W LED FULL FEATURED PROFILE MOVING HEAD WITH ENHANCED GOBO LOAD-OUT AIMED FOR STADIUM-CLASS PRODUCTIONS

SPEC SHEET



Designed to fulfill the demand for an ultra-bright, compact, tour-worthy moving head, the Martin ERA 800 Profile combines a feature-loaded and rugged, yet cost-efficient profile for entertainment and rental applications.

It features a highly efficient, super-bright 800W white LED engine that produces a bright, sharp 6,500K gobo projection with a flat field. Additional key benefits include 1:8 zoom, electronic dimming and strobe, full CMY color mixing and separate color wheel, variable color temperature control, animation wheel, iris for beam adjustment and fixed and rotating gobo wheels, loaded with user-favorite gobos from the renowned Martin MAC range that includes a wide variety of effects, especially when combined with the two included rotating prisms and soft and heavy frost filters.

Perfect for big, stadium-sized stage and live productions, the Martin ERA 800 Profile is ideal for a long list of scenarios, requiring an extremely bright, yet truly versatile LED profile that offers near limitless design and usage potential.

KEY MESSAGES

800 WATT LED LIGHT SOURCE

With an efficient 800 watt light source, the ERA 800 Profile delivers more output than similar-sized fixtures. Fully electronic dimming ensures extremely fast strobing, instant intensity control, and a flat, consistent field that can be maintained down to zero percent.

GREAT COLOR PALETTE

Precise color temperature control with variable color temperature correction (CTO). Vibrant CMY color mixing from light and smooth pastels to rich, saturated primaries. The color wheel produces nice color splits, fast color bumps and extends overall color gamut and brightness.

1:8 ZOOM RANGE

With 7 to 56 degrees of zoom, the ERA 800 Profile works great even on larger trim heights. Zooming is fast and accurate and maintains a high output throughout the range.

COMPACT AND DESIGNED FOR THE ROAD

The ERA 800 Profile is a very compact and low weight for its class making it easy to handle and rig. The modular design makes accessing and replacing of effects safe, quick, and easy – modules can be swapped in less than a minute.

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ORDERING INFORMATION

MODELS

- ERA 800 Profile in cardboard box P/N 9025123581
- ERA 800 Profile White in cardboard box P/N 9025123582
- Flightcase, two unit, for 2 x ERA 800 Performance / Profile P/N 91512255

INCLUDED ITEMS

- Two omega brackets with 1/4 turn fasteners for rigging clamp attachment2 x P/N 91602001

RELATED ITEMS

- Martin Companion software suite (incl. firmware uploader)Free download from www.martin.com
- Martin Companion Cable USB/DMX hardware interface P/N 91616091
- Martin RDM 5.5 Splitter P/N 90758150



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ACCESSORIES

CONVERSION KITS

- Framing Module (converts ERA 800 Profile to Performance)P/N 5125961-00
- Gobo Wheel 3 Effects Module (converts ERA 800 Performance to Profile)P/N 5131799-00

OPTICAL ACCESSORIES

- CRI Boost Filter (CRI >80, installs on gobo wheel) MAR-91614059

POWER INPUT CABLES

- Power Input Cable, H07RN-F, 2.5 mm², 14 AWG, bare ends to TRUE1 NAC3FX-W (female), 1.5 m (4.9 ft.) P/N 91611797
- Power Input Cable, H07RN-F, 2.5 mm², 14 AWG, bare ends to TRUE1 NAC3FX-W (female), 5 m (16.4 ft.) P/N 91611786
- Power Input Cable, SJ00W, 12 AWG, bare ends to TRUE1 NAC3FX-W (female), 1.5 m (4.9 ft.) P/N 91610173
- Power Input Cable, SJ00W, 12 AWG, bare ends to TRUE1 NAC3FX-W (female), 5 m (16.4 ft.) P/N 91610174

POWER RELAY CABLES, 16 A, FOR RELAYING POWER TO A SECOND FIXTURE AT 200 - 230 V MAINS POWER

- Power Relay Cable, H07RN-F, 2.5 mm², TRUE1 to TRUE1, 0.45 m (1.5 ft.) P/N 91611784

- Power Relay Cable, H07RN-F, 2.5 mm², TRUE1 to TRUE1, 1.2 m (3.9 ft.) P/N 91611785
- Power Relay Cable, H07RN-F, 2.5 mm², TRUE1 to TRUE1, 2.5 m (8.2 ft.) P/N 91611796
- Power Relay Cable, SJ00W, 12 AWG, TRUE1 to TRUE1, 0.45 m (1.5 ft.) P/N 91610170
- Power Relay Cable, H07RN-F, 2.5 mm², TRUE1 to TRUE1, 1.2 m (3.9 ft.) P/N 91610171
- Power Relay Cable, H07RN-F, 2.5 mm², TRUE1 to TRUE1, 2.5 m (8.2 ft.) P/N 91610172

POWER CONNECTORS

- Cable Connector, Neutrik powerCON TRUE1 NAC3FX-W TOP (female) P/N 91611789HU
- Cable Connector, Neutrik powerCON TRUE1 NAC3FX-W TOP (male) P/N 91611788HU

INSTALLATION HARDWARE

- Hand-coupler Clamp P/N 91602005
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, black P/N 91604006
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, silver P/N 91604007



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TECHNICAL SPECIFICATIONS

DYNAMIC EFFECTS

Electronic 'shutter' effect.....	Strobe effect, pulse effects, instant open and blackout
Electronic dimming	0 - 100%, four dimming curve options
Color mixing	CMY, independently variable 0-100%
Color temperature control	Variable 6500 - 2700 K
Color wheel.....	6 color filters plus open
Rotating gobo wheel.....	6 gobos plus open, wheel rotation, gobo rotation, indexing and shake
Second rotating gobo wheel.....	6 gobos plus open, wheel rotation, gobo rotation, indexing and shake
Static gobo wheel	7 gobos plus open, wheel indexing, rotation and shake
Gobo animation.....	Animation wheel, indexing, continuous rotation with variable speed and direction
Iris	0-100%
Zoom	Motorized
Focus.....	Motorized
Prism.....	2 rotating/indexing prisms (4-facet circular and 6-facet linear)
Frost.....	Soft frost effect and heavy frost effect
Pan	540°, coarse & fine control and speed
Tilt	260°, coarse & fine control and speed

CONTROL AND PROGRAMMING

Control options	DMX
16-bit control	Dimming, CMY, CTO, pan and tilt
Setting and addressing	Control panel with backlit LCD display
DMX channels, ERA 800 Performance..	42
DMX channels, ERA 800 Profile	36
DMX compliance	USITT DMX512/1990
RDM compliance.....	ANSI/ESTA E1.20
Transceiver	Opto-isolated RS-485

OPTICS

Front lens diameter.....	160 mm (6.3 in.)
Zoom range.....	7° - 56° (1:8)
Light source.....	800 W LED engine
Minimum LED lifetime.....	20 000 hours (to >70% luminous output)*

*Figure obtained under manufacturer's test conditions
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PHOTOMETRIC DATA

Light engine luminous output.....	70000 lumens
Fixture luminous output.....	34000 lumens
CCT (Calibrated Color Temperature)....	6500 K (+/-250K)
CRI (Color Rendering Index)	>70
CQS (Color Quality Scale)	>67
TM-30 Rf (IES TM-30-15 Fidelity Index).....	>65
TM-30 Rg (IES TM-30-15 Gamut Index).....	>93
TLCI (Television Lighting Consistency Index)	>44
LED refresh rate	3600 Hz

CONSTRUCTION

Housing	High-impact flame-retardant thermoplastic
Color.....	Black
Protection rating.....	IP20

GOBOS

External diameter	30.0 mm +0 / -0.2 mm (1.181 in. +0 / -0.008 in.)
Maximum image diameter	25 mm (0.98 in.)
Maximum gobo thickness	1.1 mm (0.04 in.)
Material.....	Borofloat 33
Coating.....	Heavy matted aluminum

INSTALLATION

Mounting points.....	2 pairs of 1/4-turn points for 106 mm (4.17 in.) center-to-center omega brackets
Location	Dry location only, must be fastened to surface or structure
Orientation.....	Any
Minimum distance to combustible materials	0.2 m (8 in.)
Minimum distance to illuminated surfaces	2.0 m (6.6 ft.)

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CONNECTIONS

AC mains power input	Neutrik TRUE1 socket, accepts TRUE1 NAC3FX-W (TOP) connector
AC mains power throughput	Neutrik TRUE1 socket, accepts TRUE1 NAC3MX-W (TOP) connector
DMX and RDM data in/out	5-pin locking XLR

ELECTRICAL

AC power	100-240 VAC (nominal), 50/60 Hz
Power supply unit	Auto-ranging electronic switch mode
Maximum total power consumption	1397 W
Power consumption, all effects static, zero light output	64 W
Half-cycle RMS inrush current at 230 V, 50 Hz	10.3 A
Recommended MCB (Miniature Circuit Breaker) per IEC 60898/UL489/CSA C22.2 No. 5	Type D

TYPICAL POWER AND CURRENT

120V, 60Hz	10.8 A, 1270 W, PF 0.99
230V, 50Hz	5.5 A, 1240 W, PF 0.97

Figures are typical, not maximum. Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%. PF = power factor

THERMAL

Cooling	Forced air (temperature regulated, low noise)
Maximum surface temperature, steady state, at Ta 40° C	70° C (158° F)
Maximum ambient temperature (Ta max.)	40° C (104° F)
Minimum ambient temperature (Ta min.)	5° C (41° F)
Maximum total heat dissipation (calculated, +/- 10%)	4770 BTU/hr.

APPROVALS

Global CB Certification/IECEE	IEC 60598-2-17 (IEC 60598-1)
EU safety	EN 60598-2-17 (EN 60598-1), EN 62471, EN62493
EU EMC	EN 55015; EN 55032; EN 55035; EN 61000-3-2, EN 61000-3-3, EN 61547
US safety	UL 1573
US EMC	FCC Part 15 Class B
Canadian safety	CSA C22.2 No. 166
Canadian EMC	ICES-3 (B) / NMB-3 (B); ICES-5 (B) / NMB-5 (B)
Australia/NZ	RCM

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DIMENSIONS

PHYSICAL

Length (head).....608 mm (24.0 in.)
 Width (base).....290 mm (11.4 in.)
 Length (base).....416 mm (16.4 in.)
 Width (across yoke).....431 mm (17.0 in.)

Height (head straight up)802 mm (31.6 in.)
 Height (maximum).....821 mm (33.5 in.)
 Minimum center-to-center distance
 in side-by-side installation730 mm (28.8 in.)
 Weight40.0 kg (88.2 lbs.)

