

# ERA 600 PROFILE

550W LED FULL FEATURED PROFILE MOVING HEAD WITH ENHANCED GOBO LOAD-OUT AIMED FOR LARGE-STAGE PRODUCTIONS

SPEC SHEET



Designed to fulfill the demand for a bright, compact, tour-worthy moving head, the Martin ERA 600 Profile combines a feature-loaded and rugged, yet cost-efficient profile for entertainment and rental applications.

It features a highly efficient 550W white LED engine that produces a bright, sharp 6,500K image 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 heavy frost filter.

Perfect for larger stage and live productions, the Martin ERA 600 Profile is ideal for a long list of scenarios, requiring a bright, yet truly versatile LED profile that offers near limitless design and usage potential.

## KEY MESSAGES

### 550 WATT LED LIGHT SOURCE

With an efficient 550 watt light source, the ERA 600 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 6 to 45 degrees of zoom, the ERA 600 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 600 Performance 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 600 Profile in cardboard box..... P/N 9025123579
- ERA 600 Profile White in cardboard box ..... P/N 9025123580
- Flightcase, two unit, for 2 x ERA 600 Performance / Profile ..... P/N 91512205

### INCLUDED ITEMS

- Two omega brackets with 1/4 turn fasteners for rigging clamp attachment .....2 x P/N 91602001

### RELATED ITEMS

- Martin Companion software suite (incl. firmware uploader).....Free download from [www.martin.com](http://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 600 Profile to Performance).....P/N 5125849-00
- Gobo Wheel 3 Effects Module (converts ERA 600 Performance to Profile).....P/N 5131771-00

### OPTICAL ACCESSORIES

- CRI Boost Filter (CRI >80, installs on gobo wheel) ..... MAR-91614058

### POWER INPUT CABLES

- Power Input Cable, H07RN-F, 2.5 mm<sup>2</sup>, 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 mm<sup>2</sup>, 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

- Power Relay Cable, H07RN-F, 2.5 mm<sup>2</sup>, TRUE1 to TRUE1, 0.45 m (1.5 ft.)..... P/N 91611784

- Power Relay Cable, H07RN-F, 2.5 mm<sup>2</sup>, TRUE1 to TRUE1, 1.2 m (3.9 ft.)..... P/N 91611785
- Power Relay Cable, H07RN-F, 2.5 mm<sup>2</sup>, 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 mm<sup>2</sup>, TRUE1 to TRUE1, 1.2 m (3.9 ft.)..... P/N 91610171
- Power Relay Cable, H07RN-F, 2.5 mm<sup>2</sup>, 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.....	7 color filters plus open
Rotating gobo wheel.....	7 gobos plus open, wheel rotation, gobo rotation, indexing and shake
Second rotating gobo wheel.....	7 gobos plus open, wheel rotation, gobo rotation, indexing and shake
Static gobo wheel .....	8 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.....	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 600 Performance..	41
DMX channels, ERA 600 Profile .....	35
DMX compliance .....	USITT DMX512/1990
RDM compliance.....	ANSI/ESTA E1.20
Transceiver .....	Opto-isolated RS-485

### OPTICS

Front lens diameter.....	120 mm (4.75 in.)
Zoom range.....	6° - 45° (1:7.5)
Light source.....	550 W LED engine
LED refresh rates .....	3600 Hz, 1200 Hz in theater (low-noise) mode
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.....	37000 lumens
Fixture luminous output.....	19000 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) .....	>96
TLCI (Television Lighting Consistency Index) .....	>45
LED refresh rate .....	3600 Hz

### CONSTRUCTION

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

### GOBOS

External diameter .....	23.0 mm +0 / -0.2 mm (0.906 in. +0 / -0.008 in.)
Maximum image diameter .....	19 mm (0.75 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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## TECHNICAL SPECIFICATIONS

### 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 .....	856 W
Power consumption, all effects static, zero light output .....	64 W
Half-cycle RMS inrush current at 230 V, 50 Hz .....	21.8 A
Recommended MCB (Miniature Circuit Breaker) per IEC 60898/UL489/CSA C22.2 No. 5 .....	Type D

### TYPICAL POWER AND CURRENT

120V, 60Hz .....	6.5 A, 778 W, PF 0.994
230V, 50Hz .....	3.2 A, 760 W, PF 0.967

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 .....	75° C (167° 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%) .....	2920 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).....544 mm (21.5 in.)  
 Width (base).....290 mm (11.4 in.)  
 Length (base).....416 mm (16.4 in.)  
 Width (across yoke) .....390 mm (15.4 in.)

Height (head straight up) .....734 mm (28.9 in.)  
 Height (maximum).....745 mm (29.4 in.)  
 Minimum center-to-center distance  
 in side-by-side installation .....660 mm (26.0 in.)  
 Weight .....31.3 kg (69.0 lbs.)

