

# ERA 300 PROFILE

COMPACT LED MOVING HEAD WITH CMY COLOR MIXING AND ZOOM

SPEC SHEET



The Martin ERA 300 Profile is a very compact profile fixture with an extremely efficient 260W white LED engine that produces a sharp gobo projection with a flat field and more output than typically associated with similar-sized and featured fixtures. This modern, everyday workhorse is designed to fit anywhere, is easy to handle and rig, takes up less truck space, and boasts full, professional features, including CMY color mixing and 1:2 zoom and 9,500 lumens of output. Additional features include electronic dimming and strobe, color wheel, and two layers of gobos, including rotating gobos, iris, rotating prism and pan/tilt. The electronic dimming ensures extremely fast strobing, instant intensity control and maintains a consistent flat field down to zero percent. Onboard CMY color mixing offers wide-ranging versatility from subtle pastels to deep, vibrant, colors, as well fast transitions and smooth fades. And, with 13 to 28 degrees of zoom, the ERA 300 Profile is perfect for various trim heights and is wide enough to ensure great coverage on smaller stages. The Martin ERA 300

Profile also delivers increased ROI with minimal maintenance. The steady, stable LED source eliminates worries of lamp aging, loss of output, shifts in color temperature, and fans sucking dirt through the optical path. And, the modular design makes accessing and maintenance extremely safe, quick, and easy. The ERA 300 Profile is built for the road and is ideal for small and mid-sized concert and touring, live TV productions, corporate shows, cruise line and houses of worship.

## KEY MESSAGES

### EVERYDAY, COMPACT WORKHORSE WITH BIG IMPACT

Great for smaller, mid-sized productions, the ERA 300 Profile is designed to fit anywhere, be easy to handle and rig, and take up less truck space. Boasting full, professional features, this fixture bundles 9,500 lumens of output; electronic dimming and strobe; CMY color mixing; color wheel; two layers of gobos, including rotating gobos; iris; zoom; focus; rotating prism; and pan and tilt.

### 260 WATT LED LIGHT SOURCE

Featured with an extremely efficient 260 watt and 20,000 lumen LED light source, the ERA 300 Profile delivers more output than typically associated with similar-sized and featured fixtures. Fully electronic dimming ensures extremely fast strobing, instant intensity control, and a flat, consistent field that can be maintained down to zero percent.

### CMY COLOR MIXING

Onboard CMY color mixing offers wide-ranging versatility from subtle pastels to deep, vibrant, colors, as well fast transitions and smooth fades. With the additional 9 slot color wheel, the ERA 300 Profile also produces nice color splits and fast color bumps, as well as extending the overall color gamut and brightness of certain colors. The color wheel also features a CTO filter to obtain a 3000K tungsten color temperature.

### 1:2 ZOOM

With a 13 to 28 degrees zoom, the ERA 300 Profile works great on various trim heights and the 28 degrees wide angle delivers enough spread for a great coverage on smaller stages. Zooming is fast and accurate and maintains a high output throughout the range.

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## FEATURES

- 260 watt / 6,500K LED light source
- 9,500 lumen output
- Full feature set including CMY color mixing and 1:2 zoom
- Crisp optics with flat field
- Very compact and low weight design

## ORDERING INFORMATION

### MODELS

- Martin ERA 300 Profile in cardboard box..... P/N 9025109547
- Martin ERA 300 Profile White in cardboard box: ..... P/N 9025109886  
*Specifications are subject to change without notice. For the latest product specifications, see [www.martin.com](http://www.martin.com)*

### INCLUDED ITEMS

- Power cable, 1.5 m (4.9 ft.) 18AWG/0.75 mm<sup>2</sup> without mains plug
- Omega brackets for rigging clamp attachment

### ACCESSORIES

- Cables, 16 A, for connection to power in chains:
  - Power input cable, H07RN-F, 2.5 mm<sup>2</sup>, 14 AWG, bare ends to Neutrik 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 Neutrik TRUE1 NAC3FX-W (female), 5 m (16.4 ft.)..... P/N 91611786
  - Link Cable, H07RN-F Neutrik TRUE1-TRUE1 0.45 m (1.5 ft.)..... P/N 91611784
  - Link Cable, H07RN-F Neutrik TRUE1-TRUE1 1.2 m (3.9 ft.)..... P/N 91611785
  - Link Cable, H07RN-F Neutrik TRUE1-TRUE1 2.5 m (8.2 ft.)..... P/N 91611796
  - Power connectors: Neutrik PowerCON TRUE1 NAC3MX-W (male) ..... P/N 91611788
  - Neutrik PowerCON TRUE1 NAC3FX-W (female) ... P/N 91611789



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## TECHNICAL SPECIFICATIONS

### PHYSICAL

Weight	17 kg (38lbs)
Dimensions	375 x 217 x 564 mm (14.8 x 8.5 x 22.2 in)

### 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 wheel	9 color filters plus open
Rotating gobo wheel	7 gobos plus open, wheel rotation, gobo rotation, indexing and shake
Static gobo wheel	9 gobos plus open, wheel indexing, rotation and shake
Zoom	Motorized
Focus	Motorized
Iris	0-100%
Beam effects	Rotating three-facet prism
Pan	540°, coarse & fine control and speed
Tilt	260°, coarse & fine control and speed

### CONTROL AND PROGRAMMING

Control options	DMX
RDM	Implemented
DMX channels	21ch
Setting and addressing	Control panel with backlit LCD display
DMX compliance	USITT DMX512/1990

### OPTICS AND SOURCE

Light source	260W LED engine
Zoom range	13° - 28°
Fixture luminous output	9500 lumens
Light engine luminous output	20000 lumens
CRI	>70
CCT	6500 Kelvin
LED refresh rate	1200 Hz
Minimum LED lifetime	15000 hours (to >70% luminous output)*

\*Manufacturer's figure obtained under manufacturer's test conditions

### CONSTRUCTION

Color	Black/White
Housing	High-impact flame-retardant thermoplastic
Protection rating	IP 20
Installation mounting points	Two quarter-turn brackets for rigging clamps
Protection rating	IP20
Orientation	Any

### CONNECTIONS

AC power input	Neutrik powerCON TRUE1
AC power throughput	Neutrik powerCON TRUE1
DMX data in/out	3-pin & 5-pin locking XLR

### ELECTRICAL

AC power	100-240V nominal, 50/60 Hz
Power supply unit	Auto-ranging electronic switch mode
Fuse	T 6.3A

### TYPICAL POWER AND CURRENT

120V, 60Hz	3.13A, 374W, PF 0.999
230V, 50Hz	1.62A, 362W, PF 0.993

Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.

### THERMAL

Cooling	Forced air (temperature regulated, low noise)
Maximum ambient temperature (Ta max.)	40° C
Minimum ambient temperature (Ta min)	0° C

### APPROVALS

EU safety	EN 60598-2-17 (EN 60598-1), EN 62471, EN 62493
EU EMC	EN 55015; EN 55032; EN 55103-2; 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



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## DIMENSIONS

