

# ELP MANET<sup>8f</sup>

LED STAGE AND STUDIO FRESNEL

SPEC SHEET



## HIGHLIGHTS

- Over 13,000 Lumens of Output
- 6-Color Light Engine with Red, Green, Blue, Amber, Lime, and Cyan LEDs
- Fully Linear 1,850-12,500 K Color Temperature Control System
- Carefully designed 8-inch (200 mm) Fresnel Lens
- Wide Color Gamut
- Class-Leading Light Quality

## OVERVIEW

The ELP MANET 8f from Martin Professional redefines static fixture lighting with precision beam control. Inspired by the Latin stage direction "it remains", it pays tribute to Shakespearean theater and timeless storytelling. Combining classic tungsten-style output with modern LED efficiency, it features a six-color LED light engine for a rich, refined palette and a TM-30 Rf of 95 and a CRI score of 98. A carefully designed 8-inch (200 mm) Fresnel lens, 9° to 50° zoom, and anti-reflective barn doors, deliver smooth, artifact-free fades. With ultra-quiet operation, intuitive controls, and wireless configuration via Martin's Companion App, ELP MANET 8f offers unmatched performance, flexibility, and artistry-ensuring every moment remains unforgettable.

## KEY MESSAGES

### PRECISION COLOR ACCURACY

The innovative six-color light engine featuring red, green, blue, amber, lime, and cyan LEDs, delivers a best-in-class TM-30 Rf of 95 and a CRI score of 98 for consistent, vibrant color from saturated primaries to delicate pastels across the full color-temperature spectrum.

### SIGNATURE SOFT-EDGE FRESNEL LENS

A carefully designed 8-inch (200 mm) Fresnel lens produces a uniform wash with a classic soft edge while 13,000 lumens and a 9°-50° zoom range allow this fixture to excel in narrow throws and wide washes.

### FULLY LINEAR COLOR-TEMPERATURE CONTROL

Precise adjustment from 1,850 K to 12,500 K in 50 K increments ensures seamless transitions between warm and cool whites as well as fully tracking the black body line via the onboard calibration system.

### FLEXIBLE INSTALLATION & CONTROL

Smooth and precise manual zoom control via the onboard dual controls coupled with the optional pole operated yoke set allows for quick and easy focusing from stage to studio, intuitive menu and control options, including NFC compatibility with the Martin Companion Mobile app that simplifies setup and operation.

# ELP MANET<sup>8f</sup>

## LED STAGE AND STUDIO FRESNEL

SPEC SHEET

### FEATURES

- Over 13,000 Lumens of Output
- 6-Color Light Engine with Red, Green, Blue, Amber, Lime, and Cyan LEDs
- Fully Linear 1,850-12,500 K Color Temperature Control System
- Carefully designed 8-inch (200 mm) Fresnel Lens
- Wide Color Gamut
- Class-Leading Light Quality
- 9°-50° Manual Zoom Lens
- High-Resolution Low-End Dimming
- Anti-Reflective Barn Doors
- Flexible Mounting Options
- Intuitive Control Interface
- Simple RGB Control and Linear CTC Channel
- Ultra-Quiet Cooling System
- NFC interface, supporting configuration and diagnostics via Companion Mobile App



### ORDERING INFORMATION

- ELP MANET 8f (w/ 4-leaf barn door and Gel frame in cardboard box, FSC carton): P/N MAR-90800020

#### RELATED ITEMS

- Martin Companion Cable (for firmware update over DMX): P/N 91616091
- Martin Companion Software (for firmware update over DMX and fixture setup/configuration via NFC):  
Free download from [www.martin.com](http://www.martin.com), app store and play store

#### ACCESSORIES

- ELP MANET 8f Pole OP Yoke: P/N MAR-90800021

#### Power Input Cables

- Power input cable, H07RN-F, 2.5 mm<sup>2</sup>, bare ends to TRUE1 NAC3FX-W TOP (female), 1.5 m (4.9 ft.): P/N 91611797
- Power input cable, SJ00W, 12 AWG, bare ends to TRUE1 NAC3FX-W TOP (female), 1.5 m (4.9 ft.): P/N 91610173

#### Power Linking Cables

- 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, 2.5 m (8.2 ft.): P/N 91610172

#### Power Connectors

- Cable Connector, Neutrik PowerCON TRUE1 TOP Female: P/N 91611789HU
- Cable Connector, Neutrik PowerCON TRUE1 TOP Male: P/N 91611788HU

#### Installation Hardware

- G-clamp (suspension with fixture hanging vertically downwards only): P/N 91602003
- Omega bracket with 1/4 turn fasteners: P/N 91602001
- 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

# ELP MANET<sup>8f</sup>

## LED STAGE AND STUDIO FRESNEL

SPEC SHEET

### TECHNICAL SPECIFICATIONS

#### DYNAMIC EFFECTS

Dimmer/shutter .....	0-100% continuous dimming, regular and random strobe, instant open and blackout
Dimming options .....	Choice of four dimming curves, smooth 16-bit Selectable Dimming Modes and Curves
Color mixing .....	RGBALC, independently variable 0-100%
Color temperature control .....	Variable 1850-12500K
Tint control .....	Variable green-magenta shift, Δuv -0.05 - +0.05
Virtual color wheel .....	48 color presets, continuous rotation & random color
LED frequency control .....	Variable LED PWM control

#### CONTROL & PROGRAMMING

Spin DMX and Power In/Out Connection	
Quick focus manual control via rotary encoder	
Control protocols .....	DMX, RDM
DMX modes .....	Compact, Basic, Direct
DMX channels .....	11, 17
16-bit controllable parameters .....	Dimming, color mixing
Setting and addressing .....	Display menu, RDM, NFC
Local user interface .....	Backlit LCD display
Fixture identification .....	User-settable ID number
DMX compliance .....	USITT DMX512-A
RDM compliance .....	ANSI/ESTA E1.20
DMX/RDM Transceiver .....	Galvanic-isolated RS-485
Firmware update .....	via DMX using Martin Companion

#### OPTICS

Front lens diameter .....	200 mm (7.87 in.)
Zoom range .....	1:5.6
Full zoom range at half peak (beam angle) .....	9° - 50°
Full zoom range at tenth peak (field angle) .....	17° - 66°
Light source .....	500W RGBALC COB LED
Max. LED engine power .....	500W
Minimum LED lifetime .....	>20000 hours (to >70% luminous output)*

\*Figure obtained under manufacturer's test conditions.

#### PHOTOMETRIC DATA

Light engine luminous output .....	15,500 lumens
Fixture luminous output wide .....	13,100 lm @6500K white
Fixture luminous output narrow .....	5600 lm @ 6500K white
CCT .....	Variable 1850K-12,500 (+/-200K)
CRI (Color Rendering Index) high output mode .....	≥90
CRI (Color Rendering Index) high quality mode .....	≥98
CQS (Color Quality Scale) high output mode .....	≥85
CQS (Color Quality Scale) high quality mode .....	≥95
TM-30 Rf (IES TM-30-15 Fidelity Index) high output mode .....	≥86
TM-30 Rf (IES TM-30-15 Fidelity Index) high quality mode .....	≥95
TM-30 Rg (IES TM-30-15 Gamut Index) high output mode .....	≥107
TM-30 Rg (IES TM-30-15 Gamut Index) high quality mode .....	≥104
TLCI (Television Lighting Consistency Index) high output mode .....	≥98
TLCI (Television Lighting Consistency Index) high quality mode .....	≥98
LED refresh rate .....	3600Hz w/ fine adjustment (+/- 2%)
Binning: .....	Tight color and flux binning
Calibration .....	Full gamut color calibration
Color modes .....	Extended color mode and calibrated color mode

\* All Photometric Data measured in steady state [30 minutes warm-up time] at 25°C ambient. \* All Photometric Data measured at 6500 K white

#### CONSTRUCTION

Housing material .....	Steel/aluminum
Color .....	Matte black
Protection rating .....	IP20

#### INSTALLATION

Mounting points .....	1/4-turn points for 106mm (4.17 in.) center-to-center omega brackets, Single M12 threaded hole for rigging clamp, Two guide holes to support industrial standard 28mm Spigot accessory
Location .....	Indoor
Orientation .....	Any
Minimum distance to combustible materials .....	0.2 m (7.87 in.)
Minimum distance to illuminated surfaces .....	1.0 m (39.37 in.)

#### CONNECTIONS

AC mains power in/thru .....	Neutrik PowerCON TRUE1 TOP
DMX and RDM data in/thru .....	Neutrik 5-pin locking XLR TOP

#### ELECTRICAL

AC power .....	100-240 V AC nominal, 50/60 Hz
Power supply unit .....	Auto-ranging electronic switch-mode
Maximum total current at 100-120 V .....	5.3 A
Maximum total current at 200-240 V .....	2.2 A
Typical half-cycle RMS inrush current	
at 240 V, 50 Hz .....	12.68 A
Typical earth-leakage current .....	0.65 mA
Power Consumption	
Typical .....	530 W*
Idle .....	3.8 W*

\*Measurements made at nominal voltage. Allow for a deviation of +/- 10%.

Typical: full output white, no effects moving, regulated fan speed

Hibernation: no output, fans stopped, wake-up procedure to re-use fixture

#### TYPICAL POWER AND CURRENT

100 V, 50 Hz .....	525 W, 5.26 A, PF 0.99
120 V, 60 Hz .....	520 W, 4.33 A, PF 0.99
208 V, 60 Hz .....	508 W, 2.45 A, PF 0.99
230 V, 50 Hz .....	506 W, 1.92 A, PF 0.99
240 V, 50 Hz .....	505 W, 2.11 A, PF 0.99

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

PF = Power factor

#### THERMAL

Cooling .....	Forced air (temperature-regulated, low noise, user-definable levels)
Maximum ambient temperature (Ta max.) .....	40° C (104° F)
Minimum ambient temperature (Ta min.) .....	0° C (32° F)
Maximum surface temperature, steady state,	
at 40° C ambient .....	68° C (154.4° F)
Total heat dissipation (calculated, +/- 10%) .....	1808 BTU/hr.

#### ACOUSTIC DATA

Sound Pressure Level (LpA) @ 1m (default regulated high fan mode, full output):	26.7dB(A)
Sound Pressure Level (LpA) @ 1m (regulated medium fan mode, full output):	21.1 dB(A)
Sound Pressure Level (LpA) @ 1m (regulated low fan mode, full output):	18.9 dB(A)

# ELP MANET<sup>8f</sup>

LED STAGE AND STUDIO FRESNEL

SPEC SHEET

## TECHNICAL SPECIFICATIONS (CONT.)

### ENVIRONMENTAL

RoHS .....	Compliant
REACH.....	Compliant
WEEE.....	Compliant
Proposition 65.....	Compliant
Efficiency.....	24.5 LM/W & 928.6 LM/kg

### APPROVALS

Global CB Certification/IECEE .....	IEC 60598-2-17 (IEC 60598-1)
EU safety .....	EN 60598-2-17 (EN 60598-1), EN 62471, EN 62493
EU EMC .....	EN 55015; EN 55032; EN 55035; EN 61547; EN 61000-3-3
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
United Kingdom .....	UKCA

### INCLUDED ITEMS

- Multi-language safety and installation manual
- Adjustable mounting bracket
- 4 leaf anti-reflective manual barn door system
- Color filter frame



All measurements in mm

# ELP MANET<sup>8f</sup>

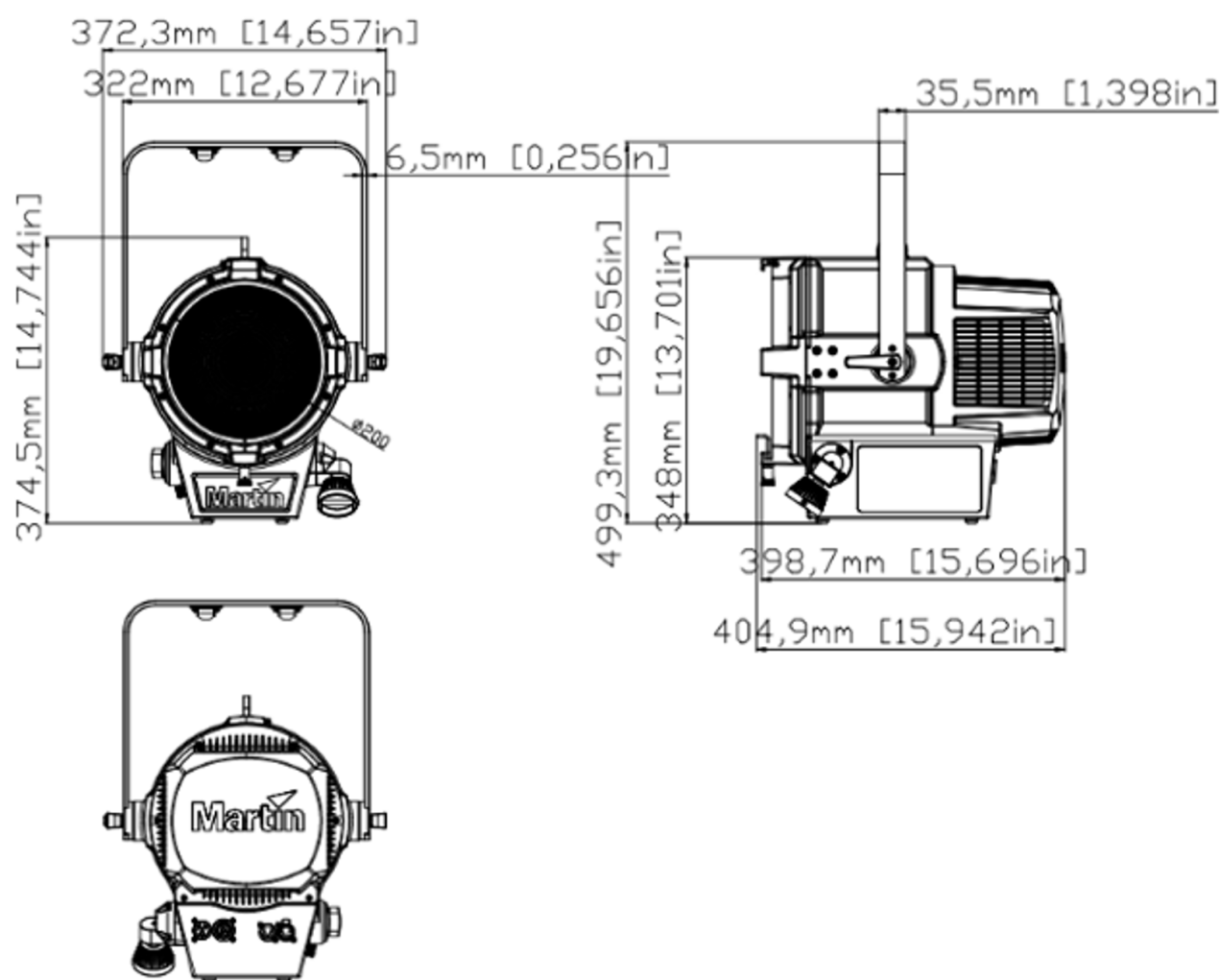
LED STAGE AND STUDIO FRESNEL

SPEC SHEET

## DIMENSIONS (BODY & FIXED LENSES)

### PHYSICAL

Width (max.)..... 372.3 mm (14.66 in.)  
Height (max.) ..... 499.30 mm (19.66 in.)  
Depth (max.) ..... 404.90 mm (15.94 in.)  
Weight..... 14.0 kg (30.86 lb)



All measurements in mm