# ELP PAR

*STATIC RGBW LED PAR FIXTURE WITH ZOOM*

SPEC SHEET




The Martin ELP PAR static LED fixture sets a new standard in the static wash category, with unprecedented lumen output, high-intensity narrow zoom, full-gamut color calibration and smart rigging and control features.

The ELP PAR makes installation faster and easier, thanks to a quick-focus system and bright angle of projection indicators. Other performance enhancements include a wide zoom range that allows both stage illumination and tight mid-air beam effects, an advanced color-calibration system that delivers accurate color reproduction and precise color temperature control, an extended color mode and a CTC channel that can modify RGB channels.

Whether lighting a theatre production, festival, exhibition or corporate event, fill the stage with color and create stunning beam effects with this versatile LED fixture that sets a new performance benchmark in its class.

## KEY MESSAGES

### BRIGHTNESS THAT GOES THE DISTANCE

The ELP PAR delivers a class-leading 3,500 lumens of output—double the brightness of the previous generation—thanks to its newly designed 7 x 40W RGBW light engine. It—s perfect for covering larger stages that require long throw distances.

### SMART SETUP FEATURES

Streamline setup with smart rigging and control features, including omega-bracket-connectivity and bright angle of projection indicator marks for quick and repeatable installation. With the push of a button, the fixture temporarily switches to full-power/open-white/adjustable-zoom settings to instantly confirm projection and focus.

### HIGH-INTENSITY ZOOM

ELP PAR —s next-generation zoom system excels at creating both broad washes and high-intensity mid-air effects, bringing new flexibility to the lighting designer—s toolbox.

### FULL-GAMUT COLOR CALIBRATION

The ELP PAR features a full-gamut color-calibration system, which allows consistent color reproduction from fixture to fixture and supports a dedicated color temperature control channel for adjusting the color space from the desired color temperature.

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## ORDERING INFORMATION

### MODELS

- ELP PAR in cardboard box..... MAR-90800000

### INCLUDED ITEMS

- Adjustable mounting bracket

### 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









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## ACCESSORIES

### 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, SJOOW, 12 AWG, bare ends to TRUE1 NAC3FX-W (female), 1.5 m (4.9 ft.) ..... P/N 91610173
- Power Input Cable, SJOOW, 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 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, SJOOW, 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

- Martin Omega bracket for rigging clamp attachment ..... P/N 91602001
- Half-coupler clamp ..... P/N 91602005
- G-clamp (suspension vertically downwards only) ..... P/N 91602003
- Quick-trigger clamp (suspension vertically downwards only) ..... P/N 91602007
- Safety cable, safe working load 50 kg ..... P/N 91604003











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## TECHNICAL SPECIFICATIONS

### DYNAMIC EFFECTS

| | |
|---|---|
| **Color mixing** | RGBW |
| **Color presets** | 48 color presets, virtual color wheel effects |
| **Color temperature control** | Variable 1,800 - 10,000 K |
| **Electronic dimming** | 0 - 100%, four dimming curve options |
| **Strobe and pulse effects** | Variable speed and action, random strobe |
| **Electronic 'shutter' effect** | Instant open and blackout |
| **Zoom** | Motorized |

### CONTROL AND PROGRAMMING

| | |
|---|---|
| **Control options** | DMX, RDM |
| **DMX channels** | 14 |
| **16-bit fine control** | Dimming, RGB, zoom |
| **LED color management modes** | Raw, extended and calibrated |
| **DMX address setting** | Control panel with OLED display |
| **DMX compliance** | USITT DMX512-A |
| **RDM compliance** | ANSI/ESTA E1.20 |

### OPTICS

| | |
|---|---|
| **Light source** | 7 x 40 W RGBW Osram LEDs |
| **Minimum LED lifetime** | 50,000 hours (to >70% luminous output)* |
| **Beam angle (half-peak)** | 4.2° - 38.7° |
| **Field angle (one-tenth peak)** | 5.1° - 58.6° |
| **Cutoff angle (3%)** | 5.7° - 69.6° |
| **Binning** | Tight color and flux binning |
| **Calibration** | Full Gamut Color Calibration |

**Figure obtained under manufacturer's test conditions*

### PHOTOMETRIC DATA

| | |
|---|---|
| **Wide beam** | 3525 lumens |
| **Narrow beam** | 1445 lumens |
| **Fixture Center Intensity Narrow Beam** | 390083 cd |
| **Fixture Center Intensity Wide beam** | 9957 cd |
| **CRI (Color Rendering Index)** | >70 |
| **CQS (Color Quality Scale)** | 83 |
| **TM-30 Rf (IES TM-30-15 Fidelity Index)** | 77 |
| **TM-30 Rg (IES TM-30-15 Gamut Index)** | 117 |
| **TLCI (Television Lighting Consistency Index)** | 61 |
| **CCT** | 6000 Kelvin |
| **LED refresh rate standard mode** | 3600 Hz |
| **LED refresh rate theatre mode** | 19200 Hz |

### CONSTRUCTION

| | |
|---|---|
| **Filter mount** | 191 x 191 mm (7.5 x 7.5 in.) |
| **Color** | Black |
| **Housing** | Aluminum and composite |
| **Protection rating** | IP 20 |

### INSTALLATION

| | |
|---|---|
| **Mounting points** | Adjustable bracket, surface or truss mount (fits Martin Omega Bracket) |
| **Location** | Not for household use, indoor use in dry location only |
| **Orientation** | Any |
| **Minimum distance to combustible materials** | 0.5 m (1.7 ft.) |
| **Minimum distance to illuminated surfaces** | 1 m (3.3 ft.) |
| **Minimum clearance around fans and vents** | 0.5 m (1.7 ft.) |

### CONNECTIONS

| | |
|---|---|
| **AC power input** | Neutrik PowerCON TRUE1 TOP |
| **AC power throughput** | Neutrik PowerCON TRUE1 TOP |
| **DMX data in/out** | Neutrik 5-pin locking XLR |

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## TECHNICAL SPECIFICATIONS

### ELECTRICAL

| | |
|---|---|
| **AC power** | 100-240 V nominal, 50/60 Hz |
| **Typical power consumption** | 300 W |
| **Typical half-cycle RMS inrush current at 240 VAC** | 8.7 A |
| **Power supply unit** | Auto-ranging electronic switch mode |

### MAXIMUM POWER AND CURRENT

| | |
|---|---|
| **100-120 V, 60 Hz** | 3.0 A, 320 W, Power factor 0.991 |
| **220-240 V, 50 Hz** | 1.7 A, 320 W, Power factor 0.941 |

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

### THERMAL

| | |
|---|---|
| **Maximum surface temperature** | 65° C (149° F) |
| **Cooling** | Forced air (temperature regulated, low noise) |
| **Maximum ambient temperature (Ta max.)** | 40° C (104° F) |
| **Minimum ambient temperature (Ta min)** | -10°C (14° F) |
| **Total heat dissipation*** | 1170 BTU/hr. |

**Calculated, +/- 10%, at full intensity, full white*

### 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 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-003 Class B, ICES-005 Class B |
| **Australia/NZ** | RCM |
| **United Kingdom** | UKCA |

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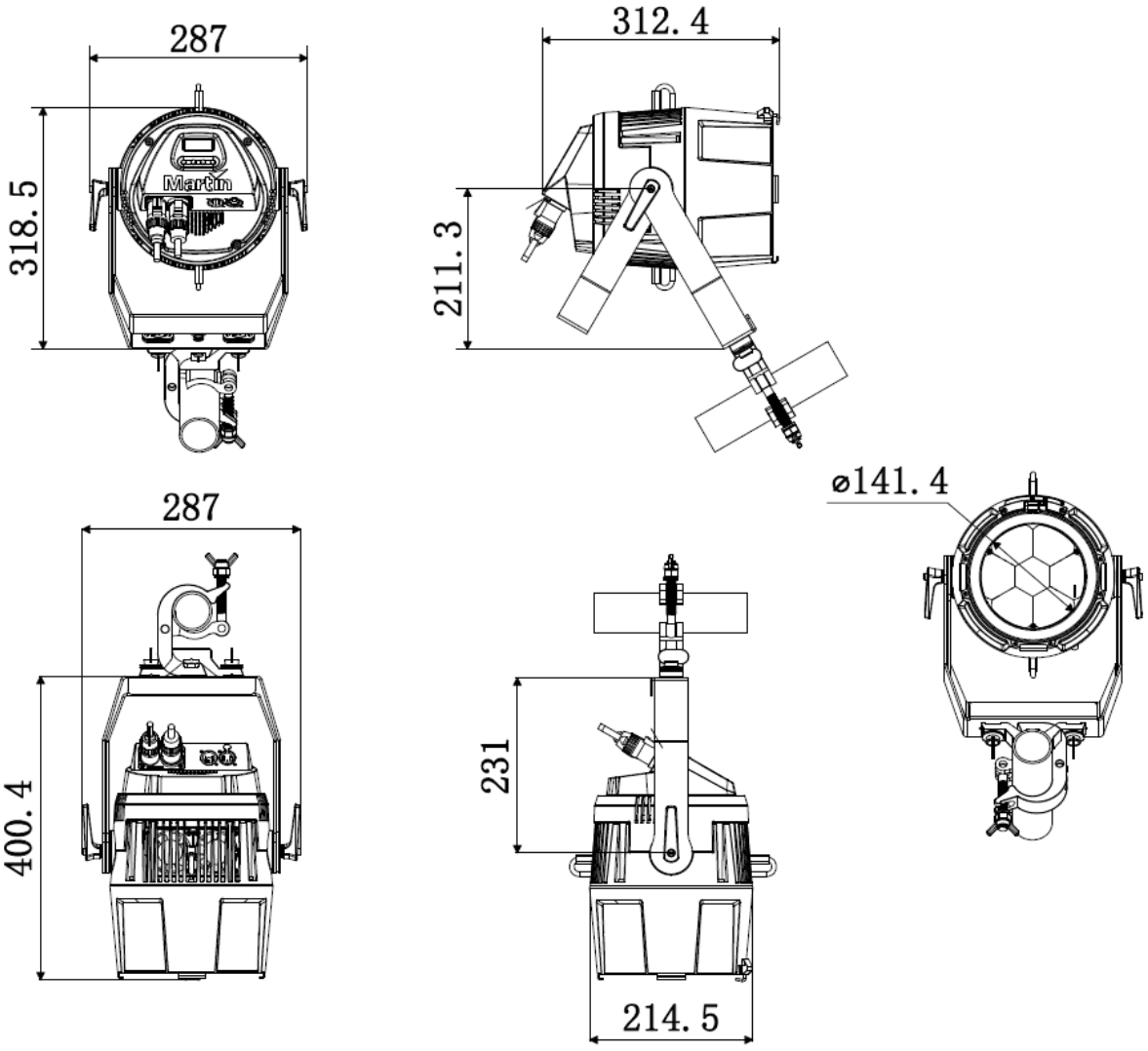
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## DIMENSIONS

### PHYSICAL

Dimensions
**Including Bracket (L x W x H)**.....312x287x401 mm (12.3x11.3x15.8 In.)
**Weight** ..... 7.8 Kg (17.2 Lbs.)




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