

ASPIRE Color

Full Color LED Ellipsoidal Profile



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Physical

- **Length:** 25.5 in.
- **Width:** 10.2 in.
- **Height:** 10 in., w/ 16.8 in. with bracket
- **Weight:** 17 lbs. body only

Construction

- **Housing:** Die-cast aluminum
- **Color:** Black or white variant
- **Protection rating:** IP20

Dynamic Effects

- **Color mixing:** RGBLA
- **Color Temperature Range:** 2000-10,000K
- **Color selection:** 26 color presets
- **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

Control and Programming

- **Control options:** DMX, stand-alone
- **DMX channels:** 1/10/17
- **16-bit control:** Intensity, CTC, RGBLA
- **Setting and addressing:** Control panel with OLED display or via RDM
- **PWM:** 600-2400 Hz
- **Standalone programming:** Control panel with OLED display
- **DMX compliance:** USITT DMX512-A
- **RDM compliance:** ANSI/ESTA E1.20
- **Transceiver:** Opto-isolated RS-485

Connections

- **AC power in, thru:** Neutrik PowerCON TRUE1
- **DMX and RDM data in/out:** 5-pin locking XLR

The Aspire Color LED ellipsoid fixtures deliver the class-leading luminance, output and vivid color rendering. Ergonomic Danish engineering offers advances in lighting functionality that include the highly efficient gear-based Fine Focus—an industry first; and Fast Focus which allows focusing of the fixture without data flowing to it. ELP also offers 16-bit dimming with 4 selectable curves and 26 color presets that match industry-standard color filters. ELP fixtures can be configured with one of four Martin lens tubes in 19, 26, 36 and 50-degree beam angles and are compatible with third-party lens tubes along with a wide range of accessories including gel frames and gobos for flexibility in lighting design and inventory management.

Superior output, optics and color rendering, combined with unparalleled ease-of-use and convenience, make Martin ELP CL the leading Color LED ellipsoidal fixture in its class. ELP Zoom Lenses expand the versatility of the line with two industry-standard beam ranges and two housing color variants available in 15-30 degree and 25-50 degree beam ranges, in black or white housing.

Features

- Impressive light output rating of 6,900 lumens (in High Output mode).
- Superior CRI rating of 90 (in High Quality mode).
- Revolutionary focus and functionality—industry's first gear-driven Fine Focus, Fast Focus for data-free focusing, and more.
- Compatible with universal accessories—use existing lens tubes, gel frames, gobo holders and rotators
- 15-30 degree and 25-50 degree beam Zoom lenses available in black and white
- Advanced optics engineered in Denmark
- RGBAL Luxeon Rebel LED engine delivers vibrant, saturated colors
- 26 color presets match industry-standard filters
- 16-bit dimming with 4 selectable dimming curves
- Flicker-free operation
- 5-pin DMX/RDM and Neutrik True1 In/Thru connectivity

Electrical

- **AC power:** 100-240 V nominal, 50/60 Hz
- Idle power (zero intensity): 5 W
- **Power supply unit:** Auto-ranging electronic switch-mode
- **Half-cycle RMS inrush current at 230 V, 50 Hz:** 15.0 A
- **Fixture link via PowerCON at 100-120 V:** Up to 4 fixtures
- **Fixture link via PowerCON at 200-240 V:** Up to 9 fixtures

** Power consumption figures are typical, not maximum. Allow for +/- 10% variation.*

Thermal

- **Cooling:** Forced air (temperature-regulated, low noise)
- **Maximum ambient temperature (Ta max.):** 40° C (104° F)
- **Minimum ambient temperature (Ta min.):** 0° C (32° F)
- Total heat dissipation (calculated, +/- 10%): 1000 BTU/hr. (at full intensity, full white)

Typical Power and Current

- 110 V, 60 Hz: 2.4 A, 259 W, PF 0.99
- 208 V, 60 Hz: 1.3 A, 250 W, PF 0.96
- 230 V, 50 Hz: 1.3 A, 249 W, PF 0.95
- 240 V, 50 Hz: 1.1 A, 249 W, PF 0.95

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

Environmental

- **RoHS:** Compliant
- **REACH:** Compliant
- **WEEE:** Compliant
- **Proposition 65:** Compliant

Accessories

- Cables, 16 A, for connection to power in chains:

Power Input Cables

- Power input cable, H07RN-F, 2.5 mm², 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 mm², 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 5 m (16.4 ft.): P/N 91611786
- Power input cable, SJOOW, 12 AWG, bare ends to Neutrik TRUE1 NA-C3FX-W (female), 1.5 m (4.9 ft.): P/N 91610173
- Power input cable, SJOOW, 12 AWG, bare ends to Neutrik TRUE1 NA-C3FX-W (female), 5 m (16.4 ft.): P/N 91610174

Connectors

- Power connector, cable mount, Neutrik TRUE1 NAC3FX-W (female): P/N 91611789
- Power connector, cable mount, Neutrik TRUE1 NAC3MX-W (male): P/N 91611788

Power Relay Cables

- Power Relay Cable, H07RN-F, 2.5 mm², TRUE1-TRUE1 0.45 m (1.5 ft.): P/N 91611784
- Power Relay Cable, H07RN-F, 2.5 mm², TRUE1-TRUE1 1.2 m (3.9 ft.): P/N 91611785
- Power Relay Cable, H07RN-F, 2.5 mm², TRUE1-TRUE1 2.5 m (8.2 ft.): P/N 91611786
- Power Relay Cable, SJOOW, 12 AWG, TRUE1-TRUE1, 0.45 m (1.5 ft.): P/N 91610170
- Power Relay Cable, SJOOW, 12 AWG, TRUE1-TRUE1, 1.2 m (3.9 ft.): P/N 91610171
- Power Relay Cable, SJOOW, 12 AWG, TRUE1-TRUE1, 2.5 m (8.2 ft.): P/N 91610172

Installation Hardware

- G-clamp (suspension with fixture hanging vertically downwards only): P/N 91602003
- Quick trigger clamp (suspension with fixture hanging vertically downwards only): P/N 91602007
- Half-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

Photometrics

- **Light engine luminous output:** 20,000 lumens

High Output Mode

- **Fixture luminous output:** 6,900 lumens
- **CRI (Color Rendering Index):** >85
- **CQS (Color Quality Scale):** >90
- **TM-30 Rf (IES TM-30-15 Fidelity Index):** >84
- **TM-30 Rg (IES TM-30-15 Gamut Index):** >111
- **TLCI (Television Lighting Consistency Index):** >85
- **CCT:** 5500 K (+/- 250 K)

High Quality Mode

- **Fixture luminous output:** 5,900 lumens
- **CRI (Color Rendering Index):** >90
- **CQS (Color Quality Scale):** >87
- **TM-30 Rf (IES TM-30-15 Fidelity Index):** >84
- **TM-30 Rg (IES TM-30-15 Gamut Index):** >106
- **TLCI (Television Lighting Consistency Index):** >87
- **CCT:** 6000 K (+/- 250 K)

* All Photometric Data measured in steady state (30 minutes warm-up time) at 25°C ambient.