

ASPIRE 275 IP RGBW

PRELIMINARY SPECIFICATION SHEET



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ASPIRE 275 IP RGBW takes the high-performance, full RGBA-Lime color-mixing fixture. Our standard shutter assembly and lenses lend familiarity and ease of use to this IP65 ERS style fixture that offers Color Temperature presets of 2800 to 6500 K that match the output of a tungsten source to perfection. Control options include full bit dimming (per color and master), selectable PWM, RDM and onboard dimming curves selection. Also accessible is our virtual color wheel which matches popular color gels.



REQUIRED ACCESSORIES:

- **Lens Tube:** 19°, 26°, 36°, 50°

OPTIONAL ACCESSORIES:

- **Professional Clamps:** CTC-50HC, CTC-50HCN
- Neutrik powerCON cables
- 3-pin or 5-pin IP Rated DMX Cables
- **Color Blending Filters:** DF60X1D, DF20D RDM2go
- Zoom Lense
- Glass Gobo Holder
- Metal Gobo Holder
- Iris
- PHZ



FEATURES:

- Full Color LED (RGBAL) ERS-style lighting fixture for theatre, film and production
- Fully IP65 rated for seasonal use indoors or out
- Use of beam shaping shutters and lenses lends familiarity and ease of use to the fixture
- Virtual Color wheel with color matched to popular gel colors
- Color Temperature Presets from 2800K to 6500K with high CRI and CQS
- Ultra smooth 16-bit dimming, and 8-bit dimming curves to complement any lighting scheme
- Flat, even field of light for superior gobo projection
- RDM (Remote Device Management) for added flexibility
- Adjustable PWM (Pulse Width Modulation) to avoid flickering on camera

CONTROL:

- **Control Protocol:** DMX, RDM
- **DMX Channels:** 1, 4, 6, 8, 11, 13, 14, 16 or HSV
- **Modes/Personalities:** 9 personalities (1, 4, 6, 8, 11, 13, 14, 16 or HSV)

CONNECTIONS:

- **Power Connection:** Edison (local) plug to Seetronic Powerkon IP65
- **Power Input:** Seetronic Powerkon IP65
- **Power Output:** Seetronic Powerkon IP65
- **Data Connectors:** 5-pin XLR
- **Cable Length (power):** 5 ft (1.5 m)

ELECTRICAL:

- **Input Voltage:** 100 to 240 VAC, 50/60 Hz (auto-ranging)
- **Power Linking:** 7 units @ 120 V; 11 units @ 208 V; 12 units @ 230 V
- **Power and Current:** 225 W, 1.88 A @ 120 V, 60 Hz
- **Power and Current:** 236 W, 1.14 A @ 208 V, 60 Hz
- **Power and Current:** 241 W, 1.05 A @ 230 V, 50 Hz

CERTIFICATIONS / QUALIFICATIONS

- CE, MET, FCC
- **IP Rating:** IP65, outdoor/wet, with pressure equalizing M12 GORE valve
- **Temperature (Ambient):** -4 °F to 113 °F (-20 °C to 45 °C)

CONSTRUCTION / PHYSICAL:

- **Dimensions (fixture only):**
26 x 11.33 x 10.4 in (660 x 287.9 x 264.6 mm)
- **Dimensions (w/5° lens extended):**
47.04 x 14.17 x 14.48 in (1195 x 360 x 368 mm)
- **Dimensions (w/10° lens extended):**
38.3 x 12.16 x 12.48 in (973 x 309 x 317 mm)
- **Dimensions (w/14° lens extended):**
35.2 x 11.33 x 10.4 in (894.2 x 287.9 x 264.6 mm)
- **Dimensions (w/26° lens extended):**
32.37 x 11.33 x 10.4 in (822.3 x 287.9 x 264.6 mm)
- **Dimensions (w/15°–30° lens):**
38.6 x 11.33 x 10.4 in (980.6 x 287.9 x 264.6 mm)
- **Dimensions (w/25°–50° lens):**
31.3 x 11.33 x 10.4 in (795.1 x 287.9 x 264.6 mm)
- **Weight (fixture only):** 23.2 lb (10.5 kg)
- **Weight (w/14° lens):** 28.6 lb (12.9 kg)
- **Weight (w/26° lens):** 27.4 lb (12.4 kg)
- **Weight (w/15°–30° lens):** 35.8 lb (16.2 kg)
- **Weight (w/25°–50° lens):** 32.8 lb (14.8 kg)

- **Exterior Color:** Black

- **Gobo Size (Optional): “A”:**
100 mm (outside), 75 mm (image), 2.5 mm (max. thickness)
- **Gobo Size (Optional): “B”:**
86 mm (outside), 64.5 mm (image), 2.5 mm (max. thickness)

- **Accessory Holder/Gel Frame Size (5° lens):**
14 in (356 mm)
- **Accessory Holder/Gel Frame Size (10° lens):** 12 in (304 mm)
- **Accessory Holder/Gel Frame Size (14° lens):** 7.5 in (191 mm)
- **Accessory Holder/Gel Frame Size (19°, 26°, 36°, and 50° lens):**
6.25 in (159 mm)
- **Accessory Holder/Gel Frame Size (15°–30° lens):** 7.5 in (191 mm)
- **Accessory Holder/Gel Frame Size (25°–50° lens):** 7.5 in (191 mm)

OPTICAL:

- **Light Source:** 91 LEDs (18 red, 18 green, 19 blue, 18 amber, 18 lime green) 3 W, (722 mA), 6031 K, 50,000 hours life expectancy
- **Color Temperature (range):** 2800 to 6500 K
- **Color Temperature (at full):** 6031 K
- **CRI (3200 K):** 82

- **Beam Angle (w/5° lens):** 7°
- **Beam Angle (w/10° lens):** 10°
- **Beam Angle (w/14° lens):** 11°
- **Beam Angle (w/19° lens):** 19°
- **Beam Angle (w/26° lens):** 24°
- **Beam Angle (w/36° lens):** 28°
- **Beam Angle (w/50° lens):** 41°
- **Beam Angle (w/15°–30° lens)(Narrow):** 13°
- **Beam Angle (w/15°–30° lens)(Wide):** 24°
- **Beam Angle (w/25°–50° lens)(Narrow):** 23°
- **Beam Angle (w/25°–50° lens)(Wide):** 36°

- **Field Angle (w/5° lens):** 7°
- **Field Angle (w/10° lens):** 10°
- **Field Angle (w/14° lens):** 14°
- **Field Angle (w/19° lens):** 19°
- **Field Angle (w/26° lens):** 26°
- **Field Angle (w/36° lens):** 34°
- **Field Angle (w/50° lens):** 51°
- **Field Angle (w/15°–30° lens)(Narrow):** 15°
- **Field Angle (w/15°–30° lens)(Wide):** 29°
- **Field Angle (w/25°–50° lens)(Narrow):** 26°
- **Field Angle (w/25°–50° lens)(Wide):** 50°

- **Lumens (w/19° lens):** 3,236
- **Lumens (w/26° lens):** 4,316
- **Lumens (w/36° lens):** 3,918
- **Lumens (w/50° lens):** 3,813

- **Illuminance (w/5° lens):** 16,300 lux @ 5 m
- **Illuminance (w/10° lens):** 7,430 lux @ 5 m
- **Illuminance (w/14° lens):** 4,420 lux @ 5 m
- **Illuminance (w/19° lens):** 2,530 lux @ 5 m
- **Illuminance (w/26° lens):** 1,720 lux @ 5 m
- **Illuminance (w/36° lens):** 1,020 lux @ 5 m
- **Illuminance (w/50° lens):** 457 lux @ 5 m
- **Illuminance (w/15°–30° lens)(Narrow):**
4,260 lux @ 5 m
- **Illuminance (w/15°–30° lens)(Wide):**
1,620 lux @ 5 m
- **Illuminance (w/25°–50° lens)(Narrow):**
1,790 lux @ 5 m
- **Illuminance (w/25°–50° lens)(Wide):**
825 lux @ 5 m
- **Selectable PWM:** 600 Hz, 1200 Hz, 2000 Hz, 4000 Hz, 6000 Hz, 25000Hz