

Arianne 6™

If you are looking for a refreshingly simple, no-fuss, robust wash light with superior colour mixing, increased output, and full IP65/66 ingress protection - plus simplified maintenance - the Arianne 6™ is the fixture for you!

**Light source**

19x 55W RGBL LED multichips

**Light output**

100.000 lx @ 5m

**Zoom range**

3.8° - 60°

**Effects**

Ring control, virtual colour wheel, tungsten lamp effect, ScreenPix™ display screen mapping



By eliminating sometimes unnecessary complexities such as pixel mapping, layers and background effects, yet upholding Robe's renowned quality, Arianne 6™ delivers all the essential attributes for exceptional wash and beam effects in any environment.

Featuring a 19 x 55W RGB Lime LED multichip source, Arianne 6™ produces striking colours, alongside remarkable brightness, delivering 100.000 lx at 5 m from such a compact chassis. With variable CTO from 1.800K to 10.000K and authentic tungsten lamp emulation for 750W, 1.000W, 1.200W, 2.000W and 2.500W lamps, you're guaranteed outstanding output and improved colour fidelity with a maximum attainable CRI of 86.

A motorized zoom range of 3.8° - 60° enable seamless transitions from tight, concentrated beams to broad, expansive washes. Independently controlled inner and outer LED rings unlock striking visual effects.

For rapid programming, the onboard DataSwatch™ colour library provides 66 pre-mixed colours and tones, including commonly used whites. Important in theatrical settings, Robe's advanced L3™ dimming software ensures flawless, imperceptible fades to black.

Our innovative, self-managing, low-maintenance active ingress protection technology ensures reliable outdoor operation, shielding against rain, dust, smoke or haze, even in the harshest conditions. To maintain peak performance the patented RAINS™ system automatically manages and monitors humidity, temperature, and pressure. A quick self-pressure test (under 3 minutes) confirms correct assembly and pressurisation for maximum protection - no specialised tools required.

For extreme cold, POLAR+™ technology offers a special low-power standby mode, keeping sensors and communications active. When needed, POLAR+™ ensures instant operation down to minus 50°C.

NFC (Near-Field Communication) technology allows access to setup, diagnostics and performance features, even without power, directly from your mobile device via the Robe Com app.

Perfect for noise sensitive environments, the Arianne 6™ features a full range of console-controlled fan settings, Cpulse™ PWM control to remove on-screen flicker, and +/- Green content control, making it ideal for broadcast applications.

Our REAP™ (Robe Ethernet Access Portal) provides remote access to fixture data and diagnostics over Ethernet, ideal for installations requiring centralised, remote monitoring of fixture performance.

Arianne 6™ - No fuss wash lighting.

Technical Specification

Source

- Light source type: 19 x 55W RGBL multichips
- LED life expectancy: min. 50.000 hours
- Typical lumen maintenance: L70/B50 @ 50.000 hours
- CRI: up to 86
- Robe's proprietary optical design
- High-efficiency zoom optical system, ratio 15.5:1
- Zoom range: 3.8° - 60°
- Fixture total lumen output:
 - 18.000 lm (integrating sphere)
 - 14.500 lm (goniophotometer)
- Illuminance: up to 100.000 lx @ 5 m
- RLCT™ Innovative lens coating technology

Dynamic Effects and Features

- Colour mixing mode RGBL or CMY
- 3 individually controllable segments (2 rings and 1 middle pixel)
- White light: Variable CCT 1.800K - 10.000K
- + - Green correction function
- DataSwatch™ filters: pre-programmed 66 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
- Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4.200K (red shift and thermal delay)
- Motorised exceptionally quiet zoom
- Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects
- High resolution electronic dimming: 0 - 100%
- L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black
- Cpulse™ special flicker-free management for HD and UHD cameras, ready for 8K and 16K
- Extremely quiet operation suitable for all types of production in Theatre and TV
- POLAR+™ for power saving and instant operation in extremely cold weather conditions
- ScreenPix™ - Elevates visual impact with multi-zone RGB control across each fixture display screen - all with intuitive macro control (Patented)

Control and programming

- Setting & Addressing: ROBE Navigation System 3 (RNS3)
- Display: QVGA Robe screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, built-in analyser for easy fault finding
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity
- REAP™ - Robe Ethernet Access Portal
- RAINS™ (Robe Automatic Ingress Neutralization System) manages humidity, temperature and pressure control using an active monitoring system to automatically remove any moisture detected within the fixture and provides constant monitoring to ensure peak performance
- DMX Protocol modes: 3
- Control channels: 22, 16, 24
- Pan & Tilt resolution: 16 bit
- RGBL / CMY: 8 or 16 bit
- Zoom: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Movement

- Pan movement: 540°
- Tilt movement: 228°
- Movement control: Standard and Speed
- Controllable speed of Pan & Tilt movement
- Automatic Pan & Tilt position correction

Thermal specification

- Maximum ambient temperature: 45 °C (113 °F)
- Maximum surface temperature: 80 °C (176 °F)
- Minimum operating temperature: -50 °C (-58 °F)
- Total heat dissipation: max. 1153 BTU/h (calculated)

Noise Levels

- Sound pressure level:
 - 19 dB(A) at 1 m (quiet mode)
 - 38 dB(A) at 1 m (auto mode)
- Sound power level:
 - 27 dB(A) (quiet mode)
 - 46 dB(A) (auto mode)

Electrical specification and connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: Max. 750 W
- Power connector in/out: IP65 Neutrik powerCON TRUE1 in/out
- DMX and RDM data in/out: IP65 Locking 5-pin XLR
- Ethernet port in/out: IP65 RJ45, for Embedded Epass™ switch 10/100 Mbps

Approvals

- CE Compliant
- cETLus Compliant

Mechanical specification

- Height: 477 mm (18.8") – head in vertical position
- Width: 390 mm (15.4")
- Depth: 252 mm (9.9")
- Weight: 17.8 kg (39.3 lbs)
- Ingress protection rating: IP65

Rigging

- Mounting positions: Horizontally or vertically
- Universal operating position
- Mounting points: 2 pairs of 1/4-turn locking points
- 2x Omega adaptors with 1/4-turn quick locks
- Safety cable attachment point

Included items

- User Manual
- Omega Adaptor CL-regular (2 pcs): 10980033
- Power cord including powerCON TRUE1 In connector:
 - EU: 13052276-01
 - US: 13052277-01

Optional accessories

- Top Hat: 10981552
- Frost 2° assembled: 10981509
- Frost 5° assembled: 10981510
- Frost 10° assembled: 10981511
- Frost 20° assembled: 10981512
- Frost 30° assembled: 10981513
- Doughty Trigger Clamp: 17030386
- Safety wire 36 kg: 99011963
- IP65 Seetronic cable reducer: 13053925
- Single Top Loader Case: 10120273
- Quad Top Loader Case: 10120274
- Foam Shell: 20020397

Legal

- Arianne 6™ is a Trademark of Robe lighting s. r. o.
- Arianne 6™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents