

Arianne 12™

At the pinnacle of the Arianne range, Arianne 12™ blends commanding output with the simplicity and reliability that define the family. Its intense brightness, refined colour mixing and robust IP65/66 protection ensure outstanding performance, easy servicing and all-weather durability.



Light source

37x 55W RGBL multichips



Light output

150.000 lx @ 5m



Zoom range

3.8°-54°



Effects

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



Created to meet pre-rigged truss size requirements, Arianne 12™ embraces the power of simplicity. Eliminating unnecessary features such as pixel mapping, layers and background effects, it streamlines operation while maintaining the exceptional performance and reliability synonymous with Robe. The result is an easy-to-use, high-output wash beam fixture built to excel in demanding touring and festival applications.

Driven by a 37x 55W RGBLime LED multichip source, Arianne 12™ delivers breathtaking brightness and richly saturated colours, generating more than 150.000 lx at 5 metres. A wide 1.800K–10.000K CTO range, authentic tungsten lamp emulation and a CRI of up to 86 provide colour accuracy and creative flexibility.

For fast, seamless transitions from tight, concentrated beams to wide washes, Arianne 12™ features an extensive zoom range of 3,8°–54°. Even without pixel mapping, Arianne 12™ delivers striking visual impact. Four independently controlled concentric LED rings create dynamic effects, while Robe's patented ScreenPix™ technology transforms the fixture display into a macro-controlled 12-pixel RGB element, unlocking an additional layer of creative expression.

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.

For fast fixture substitution within the Arianne family, a Series Mode provides a common fixture personality, enabling seamless swapping of fixtures without repatching or reprogramming the show.

Patented RAINS[™] technology, actively regulates humidity, temperature, and pressure within the fixture, guaranteeing optimal performance. ParCOAT[™] lens coating technology ensures crisp projection in any weather, thanks to its oleophobic and hydrophobic properties.

For extreme cold, POLAR+[™] technology maintains operational availability 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.

Arianne 12[™] features a full range of console-controlled fan settings, Cpulse[™] to remove on-screen flicker, and +/- Green content control, making it ideal for broadcast applications.

For installations requiring centralised remote monitoring, REAP[™] (Robe Ethernet Access Portal) provides remote access to fixture data and diagnostics over Ethernet.

No fuss - All weather wash-beam lighting.

Technical Specification

Source

Light source type: 37x 55W RGBL multichips

LED life expectancy: min. 50.000 hours

Typical lumen maintenance: L70/B50 @ 50.000 hours

CRI: up to 86

Optical system

Robe's proprietary optical design

High-efficiency zoom optical system, ratio 14,2:1

Zoom range: 3,8°-54°

Fixture total lumen output:

- 32.000 lm (integrating sphere)
- 26.000 lm (goniophotometer)

Illuminance: 150.000 lx @ 5 m

RLCT™ Innovative lens coating technology

Dynamic Effects and Features

Colour mixing mode RGBL or CMY

4 individually controllable segments (3 rings and 1 middle pixel)

White light: Variable CCT 1.800K-10.000K

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

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, NFC app controller

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 instant monitoring to ensure peak performance

DMX Protocol modes: 3

Control channels: 22, 27, 66

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: 220°

Movement control: Standard and Speed

Controllable speed of Pan & Tilt movement

Automatic Pan & Tilt position correction

MAPS™ - Motionless absolute positioning system for Pan and Tilt (Patented)

Thermal specification

Maximum ambient temperature: 50 °C (122 °F)

Maximum surface temperature: 80 °C (176 °F)

Minimum operating temperature: -50 °C (-58 °F)

Total heat dissipation: max. 5.801 BTU/h (calculated)

Electrical specification and connections

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: Max. 1.700 W

Power connector in: IP65 TRUE1 Compatible

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

UKCA Compliant

Mechanical specification

Height:

- 612 mm (24,1") – head in vertical position
- 532 mm (20,9") – head in horizontal position

Width: 499 mm (19,6")

Depth: 384 mm (15,1") – head in horizontal position

Weight: 30,9 kg (68,1 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:

- US:13052277-01
- EU:13052276-01

Optional accessories

Doughty Trigger Clamp: 17030386

Safety wire 36 kg: 99011963

Mains Cable:

- powerCON TRUE1 In/Schuko, 2 m, Indoor: 13052405
- powerCON TRUE1 In/US, 2 m, Indoor: 13052406
- powerCON TRUE1 In/CEE 16A, 2 m, Indoor: 13052445
- powerCON TRUE1 In/Open ended, 2 m, Indoor: 13052407

Daisy Chain:

- powerCON TRUE1 In/Out, EU, 0,75 m, Outdoor: 13052278-01
- powerCON TRUE1 In/Out, US, 0,75 m, Outdoor: 13052279-01
- powerCON TRUE1 In/Out, EU, 2 m, Outdoor: 13052280-01
- powerCON TRUE1 In/Out, US, 2 m, Outdoor: 13052281-01

Single Top Loader Case: 10120428

Dual Top Loader Case: 10120429

Foam Shell: 20020564

Legal

Arianne 12™ is a Trademark of ROBE lighting s.r.o.

Arianne 12™ is patented by ROBE lighting s.r.o. and is protected by one or more pending or issued patents