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Arianne 4™

Arianne 4™ builds on the Arianne range's proven philosophy of simplicity, durability, and performance. Combining powerful output, impeccable colour mixing, and full IP65/66 active protection, it delivers outstanding reliability with minimal maintenance - keeping you focused on the show, whatever the environment.



Light source
12x 55W RGBL multichips

Light output
46.000 lx @ 5m

Zoom range
3.8°-52°

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

Without the complexities of pixel mapping, layers and background effects – or sacrifi cing Robe's renowned quality - Arianne 4™ delivers all the true-workhorse features required for consistently accurate wash and beam performance, whatever the setting.

Powered by 12× 55W RGBLime LED multichips, Arianne 4™ combines compelling colour capability with remarkable brightness, delivering over 46.000 lx at 5 m from its 14,5 kg chassis. A variable CTO from 1.800K to 10.000K together with tungsten lamp emulation for 750W, 1.000W, 1.200W, 2.000W and 2.500W lamps guarantees impressive variation and improved colour fidelity with a maximum attainable CRI of 86.

The motorized zoom range of 3,8°–52° enables fast transitions from tight, concentrated beams to expansive washes. Independently controlled inner and outer LED rings unlock striking visual effects. In addition, visual impact is enhanced with our ScreenPix™ multizone RGB control fixture display effect.

A DataSwatch™ virtual colour library provides 66 pre-mixed colours, including commonly used whites for rapid colour selection. Vital for theatre, Robe's advanced L3™ dimming software delivers imperceptible transitions and fades to black.

For simple fixture substitution within the Arianne family, a "Series Mode" provides a common personality that can be used across all models, without repatching or reprogramming the show.

Patented RAINS™ technology continuously manages humidity, temperature, and internal pressure to maintain peak performance and simplify maintenance. A self-pressure test, completed in under three minutes, confi rms correct assembly and pressurisation for maximum protection, without specialised tools. POLAR+™ technology ensures reliable operation down to -50 °C, keeping sensors and communications active in low-power standby mode.

Remote control and monitoring are enabled through REAP™, (Robe Ethernet Access Portal), which provides real-time fixture data and diagnostics. NFC technology allows setup and adjustments directly from your mobile device using the Robe Com app, even when the fi xture is unpowered.

Perfect for broadcast environments, the Arianne 4™ features a full range of console-controlled fan settings, Cpulse™ PWM control to remove on-screen flicker, and +/- Green content control.

No fuss - All weather wash-beam lighting.

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Technical Specification

Source

Light source type: 12x 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

Output Lens Diameter: 195 mm

High-efficiency zoom optical system, ratio 13,5:1

Zoom range: 3,8°–52°

Fixture total lumen output:

- 10.550 lm (integrating sphere)
- 8.430 lm (goniophotometer)

Illuminance: 46.000 lx @ 5 m

RLCT™ Innovative lens coating technology

Dynamic Effects and Features

Colour mixing mode RGBL or CMY

2 individually controllable segments (1 ring and 4 middle pixels)

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 %

ChromaTint™ - Patented plus / minus green correction function

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, stand-alone operation with 3 editable programs (each up to 100 steps), 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 constant monitoring to ensure peak performance
DMX Protocol modes: 3

Control channels: 22, 16, 24

Pan & Tilt resolution: 16 bit

RGBL/CMY: 16 bit

Zoom: 16 bit

Dimmer: 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

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. 1.407 BTU/h (calculated)

Noise Levels

Sound pressure level:

- 12 dB(A) at 1 m (quiet mode)
- 15 dB(A) at 1 m (auto mode)

Sound power level:

- 20 dB(A) (quiet mode)
- 23 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. 550 W

Power connector in/out: IP65 TRUE1 Compatible

DMX and RDM data in/out: IP65 Locking 5-pin XLR

Ethernet port in/out: IP65 RJ45 Seetronic, for Embedded Epass™ switch 10/100 Mbps

Approvals

CE Compliant

cETLus Compliant

UKCA Compliant

Mechanical specification

Height:

- 434 mm (17,1") – head in vertical position
- 438 mm (17,2") – head in horizontal position

Width: 334 mm (13,15")

Depth: 233 mm (9,2") – head in horizontal position

Weight: 14,5 kg (31,9 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

Frost 2° assembled

Top Hat

Concentric rings

Doughty Trigger Clamp: 17030386

Mounting Adapter for one omega holder (black): 10980100

Mounting Adapter for one omega holder (white): 10980129

Mounting Adapter for one omega holder (neutral): 10980113

Safety wire 36 kg: 99011963

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

IP65 Seetronic cable reducer: 13053925

Single Top Loader Case: 10120430

Quad Top Loader Case: 10120431

Foam Shell: 20020565

Legal

Arianne 4™ is a Trademark of ROBE lighting s.r.o.

Arianne 4™ is patented by ROBE lighting s.r.o. and is protected by one or more pending or issued patents