Arolla Aqua HP

Shield Family (IP66)



#CL3035

Bring your biggest creative ideas to stunning life. **Arolla Aqua HP**, or Unico LED, is the **most powerful white LED moving head** in the Arolla Aqua family and the **brightest IP66 fixture on the market in its category (1400W and over 60,000 lumen output)**, engineered to deliver uncompromising performance in any environment for captivating long-throw projections and impactful aerial effects. It features an **innovative, custom-designed optical platform** that provides both high-intensity, narrow beam and outstanding long-distance applications. From intimate venues to massive stadiums, this all-weather long-throw workhorse combines exceptional brightness, precision control, and Swiss Army knife versatility in one rugged fixture. **Key Features That Set Arolla Aqua HP Apart: Unmatched Power & Brightness**: Custom 1400W white LED engine pumps out over 60,000 lumens with razor-sharp fat beam quality thanks to the extra-large 220mm front lens (8.7 in) **Performance-to-cost Ratio**: With an exceptional cost-to-performance ratio, it sets a new standard for efficiency, allowing designers to achieve their artistic vision without compromising on quality. **True Long-Throw performance**: it delivers stunning long-throw projection with sharp gobos and defined beams that hold their shape over extreme distances **Ultimate Versatility**: 3.5°-55° zoom range (standard) transitions seamlessly from piercing aerial effects to immersive wide washes, perfect for any creative vision; 0.5°-11° (long-throw mode) for ultra-narrow and ultra-solid beams **Advanced Color Control**: CMY plus linear CTO mixing, dual color wheels, and a sophisticated framing system deliver unprecedented creative possibilities **Precision Beam Shaping**: Advanced Four-Plane Framing System with built-in macros enables precise shaping and signature effects like the “Total Curtain”, an accurate and instant blackout effect using individual blades **All-Weather Reliability**: IP66 weatherproof rating with advanced dehumidification and SunSafe Protection ensures flawless performance in any condition **Precision Positioning**: Absolute Position sensor system and Advanced Electronic Brake maintain rock-solid stability and perfect repositioning without recalibration **Complete Creative Toolkit**: Dual rotating gobos, prisms, animation wheel, and Lineguard frost provide endless texture and movement options Arolla Aqua HP FS (code CL3042) empowers followspot operations with an integrated external digital camera system providing operators with real-time live feed control, and precise remote operation from any position while maintaining perfect target tracking throughout performances (digital camera not included). This version offers flexible compatibility with multiple remote tracking systems. The advanced cooling system keeps

Arolla Aqua HP quiet across all operating modes. **Arolla Aqua HP: the brightest in its class, redefining long-throw performance.** Ready to gain your competitive advantage and deliver shows that set you apart from the competition? Contact us today to discover how Arolla Aqua HP could transform your lighting vision into reality.

Specifications

- **Light Source**
  custom 1400W cold white LED engine (6500 K)
- **Light Output**
  66,000 lm (in integrating sphere)
- **Zoom range**
  3.5°-55° zoom (standard) 0.5°-11° zoom (long-throw)
- **Effects**
  Linear CMY color mixing; Linear CTO 2800-6500K; CRI up to 70 with selectable filter for CRI up to 88; 2 color wheels with 5 dichroic colors each, including CRI filter; 2 rotating gobo wheels with 6 HD gobos each (30mm gate); Go Bright Technology, the special coating on gobos for no light loss; Animation wheel; 2 4-facet rotating prisms; 16-blades motorized iris with variable pulse and random effects; Framing system: four focal planes blades, +/- 60° rotation and macro channel control; “Total Curtain” effect allowing the full blackout with each single blade; Motorized zoom and focus; Built-in macros; Lineguard: a new frost system (5°) which uses one pair of blades entering from opposite sides of the beam

Light Source Type

Light source

cold white LED

Power

1400W

CRI

Up to 70 with selectable filter for CRI up to 88

Color temperature

6500K

LED life expectancy

20.000 hrs L70*

*It may vary depending on various factors, as type of use and environment

Photometric Data

Zoom range

3.5° to 55°

Long-throw

0.5° to 11°

Lumen output

66.000 Lm (Integrating Sphere)

Front lens diameter

220 mm

High efficiency optical system

Noise Level

Auto fan mode

40.2 dBA

Constant fan mode

43.6 dBA

Silent fan mode

36.3 dBA

Theatre fan mode

36.2 dBA

Control and Connections

Personalities

1 mode with 43 control channels

Control protocol

DMX, Art-Net, RDM, sACN, CRMX (TiMo FX) (Lumen Radio)

DMX and RDM connectors

Locking 5 pin XLR IN/THRU

Ethernet port

RJ45 IN/OUT

In addition with FS version

USB 12V + RJ45 for camera version

Power connector

PowerCon True1

Web Server

Built In

Dynamic Effects

Colors

- CMY colour mixing
- Linear CTO 2800K-6500K
- Two fixed color wheels with 5 dichroic colors each

Gobos

- 2 rotating gobos wheels with 6 HD gobos each (30 mm gate)
- “Go bright” tech: no light loss or color shift when gobos are inserted in the beam

Framing System

- 4 blades with +/- 60° rotation of the full system and macro channel control
- Framing system with 90° rotation

Frost

1×5° frost filter (Lineguard technology)

Rotating Effects

- 2 rotating prisms:
  - 4-facet linear
  - 4-facet circular
- 1 animation wheel

Iris

16-blades motorized

Movement

- Tilt: 270°
- Pan: 540°
- Automatic positioning
- **Special feature: sunsafe protection**
- Mechanical Pan/Tilt lock for safe transportation and maintenance

Beam

Motorized Zoom and Focus

Dimmer/Shutter

- High resolution dimmer – 24 bit 5 curves
- Electronic strobe

Hardware and Software

- Long life self-charging battery
- Display Graphic LCD backlit b/w Display
- Firmware upload from another fixture
- Firmware Upgrade via Web Server
- Diagnostic
- DMX monitoring
- Remote access through RDM
- CloudIO compatibility
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Housing

- Magnesium structure with plastic covers
- Two side handles for transportation
- IP66 protection rate
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Working Position

- Working in any position
- Hanging system: with fast-lock omega clamps (1/4 turn) on the base
- Optional safety chain

Electrical

Operating Voltage	100-240V, 50/60 Hz
Power Supply	Electronic auto range with active PFC
Max Power consumption	1900W

Thermal Specification

Max ambient temperature	45°C (113°F)
Min ambient temperature	-20°C (-4°F)

	Max temperature of the external surface	90°C (194°F)
	Total heat dissipation	6500 BTU/hr ±10% / 6900 kJ/hr ±10%
Saftey Specs	**Minimum distance of illuminated objects**	8 meters (26’ 2”)
	Minimum distance from flammable materials	0.2 meters (8”)
	External Mains Fuse	T16A 250V – 6.3x32mm
	External fuse	T6.23A 250V – 5x20mm
		Thermally protected power supply (overheating and cooling failure)
		Forced ventilation with axial fans and heatsink
Compliance	**CE Marking (in conformity to the following)**	• 2014/53/EU – Radio Equipment Directive (RED) • 2011/65/EU – Restriction of the use of certain hazardous substances (RoHS) • 2009/125/EC – EcoDesign requirements for Energy-related Products (ErP)

UKCA conforms to UK regulations

- S.I. 2017 N. 1206
- S.I. 2012 N. 3032
- S.I. 2021 N. 745

cETLus LISTED

- UL 1573:2003
- CSA C22.2 N.166:2015

Packaging

Carton box + Polystyrene

Carton box + Foam shell

Flight case + Foam shell

Weight - Size

Weight

56,9 Kg (125.4 lbs)

Base dimension

502x470mm (19.7×18.5 In) (base dimension)

Height wih vertical head

885mm (34.80 In) with vertical head (h)

Distance between two fixtures

760mm (29.9 In)

Accessories

Omega clamps

2×183102/805 (included)

Power cord

CAB02B/802 (included)