



Arolla Aqua Wash HC

Shield Family (IP66)



#CL3036

The one-of-a-kind LED wash light for high CRI and flawless whites. Arolla Aqua Wash HC is a high-performance single-lens LED wash light that delivers exceptional color accuracy, versatility, and reliability. With a powerful 960W custom white LED engine (6500 K), high CRI of up to 94, and an IP66 rating, it's built to shine in any environment, indoors or outdoors. Whether you're lighting a stage, event, or outdoor installation, Arolla Aqua Wash HC offers unbeatable performance and flexibility, becoming the latest addition to the Arolla Aqua family. **Why you'll love Arolla Aqua Wash HC: High CRI up to 94:** Experience true-to-life color rendering that is crucial for applications like broadcasting, theater, or fashion shows, where every detail matters. **Custom white LED 960W:** Achieve flawless whites with precise control over magenta and green shifts, thanks to our exclusive TrueCurve™ technology. **Superior Color Mixing:** Achieve vibrant, smooth transitions with high-quality color mixing that enhances every effect and a stunning, deep red. **Dynamic Flexibility:** Adjustable zoom and beam angles let you tailor your lighting to the exact needs of the space. From a narrow 6.1° to a 49° wash up to a wider 60° thanks to a replaceable frost filter. **IP66 rating:** Built to withstand the elements, Arolla Aqua Wash HC is perfect for outdoor events, delivering exceptional performance in any weather condition (Shield Family). **Internal Barndoor System on 2 Focal Planes:** Gain ultimate control over your lighting with this system that allows for precise light shaping. **160mm (6.7 in) front lens:** Delivers exceptional output and even light distribution across the entire beam. Take your lighting designs to new heights with Arolla Aqua Wash HC. Its exceptional output, color fidelity, and versatile features make it the perfect choice for any professional lighting application. Experience the perfect balance of power and precision with Arolla Aqua Wash HC, where every color shines through, every shade blows consistently, and every white harmonizes with flawless precision.

Specifications

- **Light Source**
custom 960W white LED engine (6500 K)+
TrueCurve™ Technology for whites'
calibration



- **Light Output**
28,000 lm
- **Zoom range**
6.1°-49° linear zoom
- **Effects**
16-bit CMY color mixing; Linear CTO; 6-color wheel; Framing system: two focal planes internal barndoor system; Replaceable heavy frost for wider beam effect (60°); 24-bit digital dimmer with 4 user-selectable dimming curves; Digital stop-strobe effect

Light Source Type

Source type

White LED (6500 K) + Calibration of the white (TrueCurve TM.)

Power

960W

CRI

Up to 94

Color temperature

6400K

LED life expectancy

20.000 L70*

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

Photometric Data

Zoom range with PC Lens

- **Beam:** 6.1°
- **Field:** 49°

Zoom range with



Fresnel lens

- **Beam:** 6.4°
- **Field:** 58.1°

**Lumen Output with
PC lens**

31.318 lm

**Lumen Output with
Fresnel lens**

27.368 lm

PC lens

Ø 160 mm

Fresnel lens

Ø 180 mm

Optical system

high efficiency

Noise Level

Auto fan mode

46,7 dB

Constant fan mode

46,8 dB

Silent fan mode

34,8 dB

Theatre fan mode

35,1 dB



Control and Connections

Personalities

1 mode with 30 control channels

Protocols

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

Connectors

Locking 5 pin XLR IN/OUT, RJ45 IN/OUT

Power connector

PowerCon True1 IN/OUT

Web Server

Built In

CloudIO

Fully compatible

Dynamic Effects

Colors

- CMY color mixing (16-bit);
- 1 fixed color wheel with 6 dichroic colors;
- Linear CTO 2700K – 6500K

Strobe

Electronic strobe

Barndoor system

Internal 2 focal planes

Frost

1 manually interchangeable 60°



Movement

- Tilt: 270° – 16bit
- Pan: 540° – 16bit
- **Accuracy:**
 - Resolution: $\pm 0,22^\circ$ ($\pm 0^\circ 13' 12''$)
 - Range: $0,44^\circ$ ($0^\circ 26' 24''$)
- Automatic repositioning
- Mechanical Pan/Tilt lock for safe transportation and maintenance

Dimmer/Shutter

Electronic control (24-bit) with 5 selectable dimming curves

Hardware and Software

- Display graphic LCD backlit B/W display;
- Firmware upload from another fixture,
- Firmware upgrade via Web Server;
- Diagnostic;
- DMX monitoring;
- Remote access through RDM

Housing

- Aluminium and steel structure with plastic covers
- Two-side handles for transportation
- IP66 protection rate
- Working in any position
- Hanging system with fast-lock Omega clamps (1/4 turn) on the base
- Optional safety chain

Special

Sun safe protection

Electrical

Operating Voltage

100-240V, 50/60 Hz

Power Supply

Electronic auto range with active PFC



	Max Power consumption	1580W
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	5397 BTU/hr ±10% / 5688 kJ/hr ±10%
Safety Specs	Minimum distance of illuminated objects	2.5 m (8'2" In)
	Minimum distance from flammable materials	0.2 meters (8")
	Protections	<ul style="list-style-type: none">• External Mains Fuse T 16A 250V – 6,2 x 32mm• External Fuse (to disconnect battery during flights transportation) T 6,3A 250V – 5x20mm• Thermally protected power supply (overheating and cooling failure)• Forced ventilation with axial fans
Compliance	CE Marking (in conformity to the following)	<ul style="list-style-type: none">• 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

cMETus LISTED

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

Packaging

Carton box + Polystyrene

Carton box + Foam shell

Flight case + Foam shell (2 position)

Weight - Size

Weight

36,0 Kg (79,4 lbs).

Dimensions without handles

- 325 x 450 x 765 mm
- 12,80 x 17,72 x 30,1 In

Distance between two fixtures

650 mm (25,6 In)

Accessories

Omega clamps

2 x 183102/805 (included)

Power cord

CAB02B/802 (included)*



* Cord 1.5 m (bare end with IP65 PowerConTrue1 conn.)

Fresnel kit

CA30690000102 (optional)

PC lens

CA30700000102 (optional)

Flight case 2 position

CF1044F (optional)

Safety Chain

105041/001 (optional)

Clamp

C21070 (Optional)