



Xtylos Aqua

Xtylos



#CJ3001

Building on the global success of the original Xtylos, Claypaky introduces **Xtylos Aqua**, the next evolution in laser-based moving heads. Designed from the ground up to endure the harshest conditions, Xtylos Aqua is **IP66-rated** and offers the same extraordinary features and performance as its predecessor, now built for the most demanding environments. Claypaky's **Laser Variance Program**, a dedicated online tool, enables effortless navigation through the entire variance acquisition process, guiding every step of the way and supporting in passing quick online tests after a short online training. On top of that, Claypaky supports filling out the FDA form and submitting it to the FDA office. Obtaining global compliance has never been more straightforward (laservariance.com). As the first and only **IP66-rated laser moving head** on the market, Xtylos Aqua combines extraordinary color dynamics and laser precision with comprehensive weather protection. Its integrated fan eliminates condensation from the front lens, ensuring consistent output and beam performance in any condition. The **wireless DMX system**, integrated as standard, adds further flexibility for complex installations. Xtylos Aqua is available with **Marine Shield**, Claypaky's treatment engineered for cruise ships and coastal environments. Marine Shield extends the fixture's resilience to the marine world, providing targeted protection against **salt air and corrosion**, so its full spectrum of vivid, saturated colors performs flawlessly on board, with no compromise in output or reliability over time. Whether illuminating cruise ship stages, outdoor decks, or seaside venues, Xtylos Aqua is a natural fit for **marine installations**. Equipped with two gobo wheels (one rotating with seven gobos, one static with twelve), a prism wheel with three prisms, and a sixteen-facet prism on a dedicated channel, Xtylos Aqua gives designers a wide range of creative tools. Its beam aperture spans an extremely narrow 1° to 7°, reducible to 0.5° with beam reducers — perfect for razor-sharp aerial effects that captivate audiences indoors and out, from theater and television to touring, global sporting events, and beyond.

Specifications

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Light Source

Tailor-made RGB laser engine



- **Light Output**
Total lumen output: 2900 lm
- **Zoom range**
1°-7° range (up to 0.5° using beam diameter reducers)
- **Effects**
RGB laser based system; Linear virtual CTO 2500K – 6500K; 1 Rotating gobo wheel with 7 HD Indexable and replaceable gobos; 1 Static gobo wheel with 12 gobo slots (incl. 7 beam reducers); Rotating Prisms disk: Convex plane, Pyramid 6 facets, Linear 6 facets, Frost; 16 Facets prism; Motorized Focus; 0-100% digital dimmer, 24 bit; Electronic Shutter and Strobe

Light Source Type

Source type

tailor-made laser engine, enclosed in a sealed module

Power

250W

Solid, flat field, saturated, ultra-concentrated light beam without any visible hotspots

Long lasting light source (20000 hours) with minimal decay*
***It may vary depending on various factors, as type of use and environment**

Photometric Data

Aperture range

1°-7° range (up to 0.5° using beam diameter reducers)

Total lumen output

2900 lm



Front lens diameter

150 mm

High efficiency optical system

Noise Level

54.2 dBA

Control and Connections

Personalities

Single mode with 31 control channels

Integrated Wireless DMX system as standard (Wireless Solution)

Control protocol

DMX, Art-Net, RDM, sACN

DMX and RDM connectors

Locking 5 pin XLR IN/OUT

Ethernet port

RJ45 IN

Power connector

PowerCon True1 IN/OUT

Built In Web Server



Dynamic Effects

Colours

- RGB laser based system with derating to preserve laser diodes
- Linear virtual CTO 2500K – 6500K

Gobos

- 1 Rotating gobo wheel with 7 HD Indexable and replaceable gobos
- Ext diam. 25.9mm (cut @ 25mm)
- Image diam. 11mm
- Thickness 0.5mm
- 1 Static gobo wheel with 12 gobo slots: 5 gobo and 7 beam reducers

Rotating Effects

- Rotating Prisms disk: Convex plane, Pyramid 6 facets, Linear 6 facets, Frost
- 16 Facets prism with rotation in both direction at variable speed

Movement

- Tilt: 248° – 16bit
- Pan: 540° – 16bit
- Accuracy: Resolution $\pm 0.63^\circ$ (Range 1.26°)
- Automatic repositioning
- Fast/Normal speed selectable by Function channel
- Mechanical Pan/Tilt lock for safe transportation and maintenance

Beam

- 1° aperture – beam mode
- Motorized Focus – 16bit

Dimmer/Shutter

- Very precise 0-100% digital dimmer, dimmer Resolution: 24 bit
- High speed electronic Shutter and 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

Housing

- Aluminum and steel structure with plastic covers
- Two side handles for transportation
- IP66 protection rate
- Marine Grade protection

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

400VA

Mains Out

Max 1600VA

Thermal Specification

Max ambient temperature

40°C (104°F)

Min ambient temperature



-20°C (-4°F)

Max temperature of the external surface

60°C (140°F)

Total heat dissipation

1366 BTU/hr ±10% / 1440 kJ/hr ±10%

Safety Specs

Minimum distance of illuminated objects

10 meters (32' 10")

Minimum distance from flammable materials

0.2 meters (8")

Thermally protected power supply (overheating and cooling failure)

Forced ventilation with axial fans and heat sink

Fuse

T6A – 250V

Compliance

- In conformity with the European Directives
- 2014/35/EU – Safety of electrical equipment supplied at low voltage (LVD)
- 2014/30/EU – Electromagnetic Compatibility (EMC)
- 2011/65/EU – Restriction of the use of certain hazardous substances (RoHS)
- 2009/125/EC – EcoDesign requirements for Energy-related Products (ErP)
- cMETus Listed



Packaging

**Carton box +
polystyrene**

**Carton box + Foam
shell**

**Flight case + Foam
shell (2 positions)**

Weight - Size

Weight

30.4 Kg (67.2 lbs)

Base dimension

390x294mm

**Vertical head height
(h)**

608mm

**Distance between
two fixtures**

400mm

Accessories

Omega clamps

2x183102/805 (included)

**ETL Mains cable,
1.5mt. (Bare Ends /
IP65
PowerConTrue1
connector)**

CAB0NL/802 (included)

**Flight case + Foam
shell**

CF1011F (optional)

**CRMX antenna
extension**

ANT004 (optional)



Safety Chain

105041/001 (optional)

Clamp

C21070 (Optional)
