CLAYPAKY
AN ARRI COMPANY
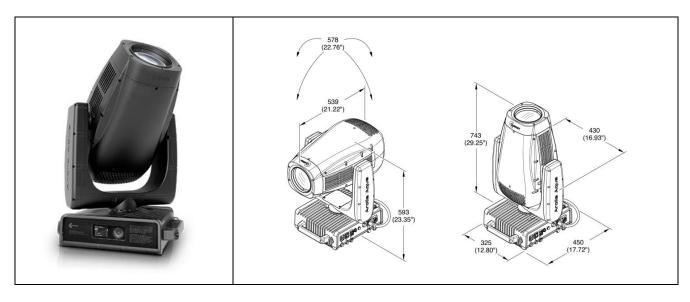
Arolla Aqua
CL3027

DataSheet
10/2023

LIGHT SOURCE TYPE

- 900W White LED Engine
- CRI: 70+ with selectable filter for CRI 88+
- Colour Temperature: 7000K
- LED life expectancy: 40000Hrs L70*
     *It may vary depending on various factors, as type of use and environment

PHOTOMETRIC DATA

- Zoom range: 5.5°- 50°
- 40360 Lumen Output (Integrating Sphere)
- Front lens diameter: 140mm
- High efficiency optical system

NOISE LEVEL

- Theatre fan mode: 40.0 dBA
- SLN fan mode: 42.3 dBA
- Constant fan mode: 50.2 dBA
- Auto fan mode: 50.3 dBA

CONTROL and CONNECTIONS

- Personalities: Single mode with 38 control channels
- Integrated Wireless DMX system as standard (Wireless Solution / Lumen Radio)
- Control Protocol: DMX, Art-Net, RDM, sACN
- DMX and RDM connectors: Locking 5 pin XLR IN/THRU
- Ethernet port: RJ45 IN
- Power connector: PowerCon True1 IN/OUT
- Built In Web Server

DYNAMIC EFFECTS

- Colours:
  - Linear 16bit CMY color mixing
  - Linear 16bit CTO
  - Fixed color wheel with 6 dichroic colors including High CRI filter

- Framing system:
  - 4 blades with +/- 60° rotation of the full system
  - "Total Curtain" effect allowing the full blackout with each single blade
  - Built In macros

- Gobos:
  - 1 Static gobo wheel with 8 replaceable gobos
  - 1 Rotating gobo wheel with 6 HD Indexable and replaceable gobos
  - Ext diam.26.95mm
  - Image diam. 20.5mm
  - Thickness 1.1mm

- Frost:
  - Light frost 1° for soft diffusion
  - Heavy frost 5° for wash effect

- Rotating Effects
  - Aluminum animation wheel with continuous rotation in both direction at variable speed
  - 4 Facets prism with rotation in both direction at variable speed

- Iris:
  - Motorized with variable pulse and random effects

- Movement:
  - Tilt: 270° - 16bit
  - Pan: 540° - 16bit
  - Automatic repositioning
  - Smooth movement selectable by Function channel
  - Mechanical Pan/Tilt lock for safe transportation and maintenance

- Beam:
  - Motorized Zoom and Focus

- Dimmer/Shutter:
  - High resolution electronic Dimmer - 24 bit, 5 curves
  - 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
- Two side handles for transportation
- IP66 protection rate

WORKING POSITION
- Working in any position
- Hanging system: with fast-lock omega clamps (1/4 turn) on the base 183102/805
- Optional safety chain

ELECTRICAL
Operating Voltage: 100-240V, 50/60 Hz
- Power Supply: Electronic auto range with active PFC
- Max Power consumption: 1100 W

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: 4782 BTU/hr ±10% / 5040 kJ/hr ±10%

SAFETY SPECS
- Minimum distance of illuminated objects 2.5 meters (8' 2")
- Minimum distance from flammable materials 0.2 meters (8")
- Fuse T6.3A – 250V
- Thermally protected power supply (overheating and cooling failure)
- Forced ventilation with axial fans

COMPLIANCE
- CE: conforms to the European Directives
- UKCA: conforms to UK Regulations
- EAC: conforms to EurAseC Regulations

- cMETus Listed

PACKAGING
- Carton box + Polystyrene
- Carton box + Foam shell
- Flight case + Foam shell (2 position)

WEIGHT - SIZE
- 38.7 Kg (85.3 lbs)
- 325x450mm (base dimension) – 750mm with vertical head (h)
- Distance between two fixtures 700mm

ACCESSORIES
- Omega clamps: 2x183102-805 (included)
- ETL Power cord 1.5mt. (bare end with IP65 PowerConTrue1 connector): CAB02B-802 (included)

- Foam shell: F21340-001 (optional)
- Flight case (2 pos.): CF1024F (optional)
- Safety Chain: 105041-001 (optional)
- Clamp: C21070 (optional)