AUQA 1600-W BWSF

Model: PR-8199

Version: 20251119

Moving Heads

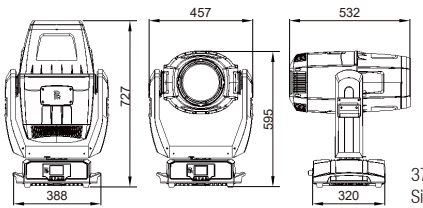
AQUA LED1600-W BWSF(Four in One) is a moving head fixture using 700W LED white engine as its light source. It has high-performance brand light source, brand new optical lens with efficacy more than 60%, beam angle(5°-60°), very intensive beam with high CRI up to 96 and very good color rendition. It uses our many innovative technologies like continually rotating framing system, linear color temperature(1800K-6500K), brightness calibration, colors based on standard LEE color chart, auto-focusing, multiple dimmer modes, very quiet running and etc.., realizing more professional and fantastic stage effects.

IP66, BWSF

Rotating gobos(Ø24mm, image Ø18mm)

Color wheel

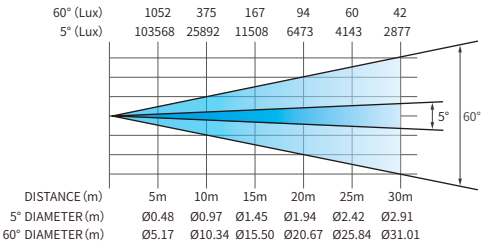
Fixed gobos



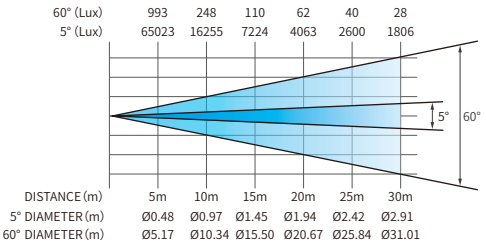
37.2Kg

Size(mm)

High out mode



High CRI mode



Specifications

- nput voltage
  100V~240V AC, 50/60Hz

- Power consumption
  850W @ 220V

- Light sources
  700W, White LED module (8000K, >20000hour)
  CRI: Ra⩾70 (For high CRI version : Ra⩾96， R9⩾95)

- Colors
  CMY color mixing system with macros
  1 Color wheel: 7colors+ Open
  Half color , bi-directional rainbow effect at variable speeds
  Stepping/linear color changing

- CTO
  Linear CTO system(0-100%, 1800K-6500K)

- Framing
  1 Framing Module: 4 Framing Blades
  Framing Module continual rotation with many graphics of different sizes and shapes
  4 Framing blades to make full curtain effect

- Gobo wheels
  1 Rotating gobo wheel: 8 Rotating Gobos +Open
  Bi-directionally rotatable, and shakable at variable speeds
  1 fixed gobo wheel:4 fixed Gobos + Open
  Bi-directionally rotatable, and shakable at variable speeds

- Animation Effects
  Bi-directional rotation at variable speeds

- Iris
  5-100% linear with macros

- Prism
  1pc, 3-facet circular prism, bi-directional rotation at variable speeds with indexing function

- Frost
  1 frost filter ,0-100% linear

- Beam Angle
  5°～ 60°,linear with 16 bit control

- Focus
  DMX linear with auto focus function

- Dimmer
  Linear electronic dimmer 0-100% with 16 bit control
  3 dimmer speeds
  4 dimmer curves
  Dimmer frequency(1.2K-25K) good for 4K high speed video camera

- Strobe
  Electronic strobe 0.3~25 Hz, optional pulse, synchronized or non-synchronized strobe at slow, medium and fast speeds

- Head Movement
  Pan 540º, 16 bit control
  Tilt 270º, 16 bit control
  Auto position correction

- Brightness Calibration Function
  With brightness calibration function to calibrate initial brightness for a single fixture or multiple ones and store brightness values into the fixtures

- CRI Mode
  Running at high CRI mode via DMX channel to ensure high CRI optical effect.

- Control
  International standard DMX512 signal and RDM function
  40channels in short mode, 46channels in standard mode,59channel in extended mode
  Art Net protocol(optional) , sACN protocol(optional), DMX512
  Master/Slave mode
  Standalone mode
  Master Mode

- Control Interface
  DMX512 ports（5-pin）
  Ethernet port RJ45

- Other Functions
  Adjustable Pan & Tilt speeds
  Pan and Tilt invertible and swappable
  LED engine’ s and fixture’ s hours and firmware versions displayed
  Intelligently controllable fans
  Sensor diagnostic system
  Input signal isolated
  Modular construction for easy maintenance
  DMX channel voltages monitoring
  Non-touchable magnetic sensor for positioning, signal feedback, absolute position memory, auto-positioning after power-off or DMX signal disrtuption
  Firmware upgrade via DMX cable
  Optional ethernet port

- Housing
  High temperature and fire resistant ABS, IP66

- Net Weight
  37.2Kg

- Ambient Temperature
  Temperature at maximum 45°C