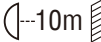


AQUA 1600-W BWSF

Model: PR-8199

RoHS | CE |  | WDMX |  10m |  IP₆₆ | T_c 75°C | T_a 45°C | 

Version: 20260126

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)



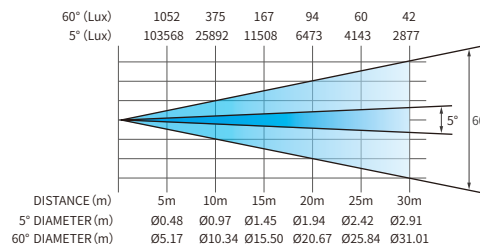
Color wheel



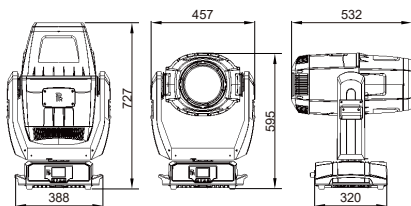
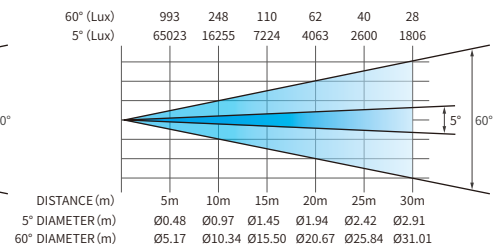
Fixed gobos



High out mode



High CRI mode



37.2Kg
Size(mm)

Specifications

- Input 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 540°, 16 bit control
Tilt 270°, 16 bit control
Auto position correction
- Advanced Macros
Color temperature macros: optional
2700K, 3000K, 3500K, 4000K, 4500K, 5000K, 5700K
Standard color macros: 89 color options based on standard color chart.
- Fixed Types
Including moving head light, fixed-focus profile light, zoom profile light
Moving head light with beam angle range(5-60°)
Fixed focus profile light with beam angle options including 5°, 10°, 19°, 26°, 36°, 60°
Zoom profile light with beam angle ranges including 5-15°, 15-35°, 35-60°
- Fan Mode
Standard mode and theater modes. Theater mode is quiet mode
- 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 disruption
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