



Mini-B Aqua PX

Shield Family (IP66)



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Introducing **Mini-B Aqua PX**, the latest addition to the Mini-B family. With unmatched flexibility, lightweight design, and lightning-fast movements, Mini-B Aqua PX meets the demands of lighting pros. Born from the need for a compact, agile washlight that braves the elements and inspires creativity, Mini-B Aqua PX inherits core strengths while **adding pixel-to-pixel LED control**. Main features at a glance: **Compactness:** Mini-B Aqua PX's small footprint and light weight allow for easy integration into various setups and rapid pan and tilt movements, essential for creating dynamic lighting effects. **Performance and Efficiency:** equipped with a seven by 40W RGBW LED engine and Claypaky's proprietary optical unit with a collimator and seven surface lenses for efficient light output with minimal power consumption, making it cost-effective and environmentally friendly. **Pixel Mapping:** controlling each LED separately for stunning visual effects, enhancing the creative potential of the fixture. **Wide Zoom Range:** from 4° to 55°, suitable for both narrow beam effects and wide washes. **Weatherproof and Dustproof:** with an IP66 rating, Mini-B Aqua PX is designed to perform reliably in outdoor settings; its total protection against dust ingress reduces the need for frequent maintenance, when used indoors. **Lighting Effects:** fifty pre-installed color macros and linear CTO correction (2500K to 8000K) suitable for precise color mixing and temperature adjustments. Crossfade channels enable smooth transitions between preset whites and RGBW values ensuring fluid color changes. The advanced 24-bit electronic dimmer with five curves balances colors throughout its dimming range for consistent light output.

Specifications

- **Light Source**
7 x 40W RGBW LEDs (7000K)
- **Light Output**
3,420 lm
- **Zoom range**



4° to 55°

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Effects

Effects Pixel mapping; 5-curve, 24-bit digital dimmer with output color balance; 2500K-8000K linear CTO; Pre-installed color macros; Crossfade channels between color and CTO, and between macros; Electronic strobe @ 25 f/sec

Light Source Type

Source type

LED RGBW

Power

40 W x 7 (Osram)

LED life expectancy

50000 hrs L70*

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

Photometric Data

Zoom range

4° – 55°

Lumen Output

3420 Lm (integrating sphere)

Front Lens

Ø 153 mm

Optical system

High efficiency

Noise Level

Controlled by

Able to control linearly the speed of the fans



Control and Connections

Fixed presets

- Silent mode: 40.2 dBA
- Auto mode: 46.0 dBA
- Theatre mode: 46.8 dBA
- Constant mode: 50.3 dBA

Personalities

- 3 modes: 22 /41 / 45 Control channels
- Pixel engine: 16 channels
- Strobe engine: 8 channels

Protocols

DMX , Art Net, sACN, RDM

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

- RGB+W color mixing 16bit
- Linear CTO 2500K to 8000K
- Built in macros with enhanced pixel control
- Preset macro colors



Movement

- Tilt: 260° – 16bit (3.5 sec Max speed)
- Pan: 540° – 16bit (5.4 sec Max speed)
- Automatic repositioning
- Fast/Normal/Boost speed selectable by Function channel

Beam

Motorized Zoom

Dimmer/Shutter

- High resolution electronic Dimmer – 24 bit, 5 curves
- High speed electronic 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

Housing

- Aluminium and steel structure with plastic covers
- Two side handles for transportation
- IP 66 protection rate
- Working in any position
- Hanging system: with fast lock Omega clamps (1/4 turn) on the base
- Optional safety chain

Electrical

Operating Voltage

100 120 / 200 240V, 50/60 Hz

Power Supply

Electronic auto range with active PFC

**In/Out MAX**

2300VA, 6(2) fixtures @ 200 240Vac (@ 100 120Vac);
Max 8.25A

MAX power consumption

375 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

956,6 BTU/hr ±10% / 1008 kJ/hr ±10 %

Safety Specs**Minimum distance of illuminated objects**

0.2 m (8")

Minimum distance from flammable materials

0.2 meters (8")

Protections

- Thermally protected power supply (overheating and cooling failure)
- Forced ventilation with axial fans
- Fuse T6.3A 250V + battery fuse

Compliance**CE Marking (in conformity to the**



following)

- 2014/ 35/EU Low Voltage Directive (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)

UKCA conforms to UK regulations

- S.I. 2016 N. 1101
- S.I. 20 16 N. 1091
- 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 (6 positions)

Weight - Size

Weight

12.7 Kg (27.9 lbs)

Base dimensions

194 x 331 mm 7,64 x 13,03 In

With vertical head (h)

415 mm 16,34 In

Distance between two fixtures

400 mm

Accessories

Omega clamps



1 x 433060-801 (Included)

ETL Power

CAB02B-802 (Included)

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

Flight case (6 positions)

CF1023F (Optional)

Foam shell

F21339-001 (Optional)

Safety Chain

105015 -802 (Optional)

Clamp

C21070 (Optional)

PowerCon True1 connector

CON000 (Optional)