



Volero Cube

Volero



#CL3031

Imagine a compact IP66 moving head seamlessly merging beam, wash, and strobe effects – also with pixel-to-pixel control. Imagine configuring it to create stunning and dynamic lighting elements, either as single units or on multiples for complex arrangements. Impossible? Not with Volero Cube! Volero Cube can be your ultimate creative building block: it's not just a single tool, but a whole toolbox bursting with playful possibilities, packed into one compact and versatile unit. It is a unique fixture in Claypaky's portfolio, the first of a new series of compact, powerful, and versatile moving heads. What makes Volero Cube so special: **Multi-purpose Master:** Forget needing a separate tool for every lighting effect. Volero Cube is like having multiple creative sets in one: beam, wash, and strobe plus pixel mapping! **Powerful Performer:** Don't be fooled by its compact size, Volero Cube packs a serious punch – it combines 4 RGBW LED modules by 60W each and cross-shaped powerful cool white LED strips for strobe effects, intersecting the four 80x80mm square lenses for crisp, focused beams that pierce the darkness and grab the audience's attention. **Zooming the light:** Need to adjust your light beam on the fly, like reshaping your creative vision? Volero Cube's motorized zoom lets you effortlessly switch between a tight spot for pinpointing specific details and a wider wash to illuminate the entire stage. **Pixel Control at your Fingertips:** With individual pixel control, you have the power to create stunning color effects, gradients, and chases, allowing you to bring your lighting design to life like building a vibrant and dynamic masterpiece. **Creativity Unleashed:** With customizable effects and lighting sequences, you can explore new possibilities with just the push of a button. Our Advanced Layers Management system is key, allowing you to bring any artistic vision to life. You can effortlessly combine three layers of effects: start with a background color, blend in external video content, and enhance it with a built-in macro. This seamless fusion creates a mesmerizing visual experience! **Space-Saving:** Tight on space? No problem! Its compact size makes it like a versatile building block that fits perfectly into any design, even the most space-constrained ones. You can easily mount it on trusses or lighting stands. **Modular dream:** Create awesome matrix effects by mixing and matching multiple fixtures. The synchronized movement produces a stunning graphical effect: the more overwhelming the more fixtures are connected. Customize your setup with as many fixtures as desired. A neat alignment system with hidden spacers enables PAN to rotate freely. **Weather-proof:** Volero Cube is the latest addition to the Shield family, boasting an IP66 protection rating against dust ingress and water jets. Designed for outdoor use in diverse weather conditions, Volero



Cube, ensures the safety and reliability of your lighting setup, regardless of the elements. So, if you are looking for a do-it-all solution, that can handle many tasks without breaking the bank, Volero Cube is the ultimate playful building block for you. It's a reliable and feature-packed unit that empowers you to create stunning visuals and unforgettable lighting experiences.

Specifications

- **Light Source**
4 x 60W RGBW LEDs and 4 lines of cold white strobe LEDs split into 8 areas
- **Zoom range**
2.5°- 43.8°
- **Effects**
RGBW color mixing system; White CT emulation 8000K to 2500K; 16bit resolution with 5 different dimmer curves; Electronic strobe/stop from 1 to 25 f/sec; Pixel mapping control; Advanced Layer Management

Light Source Type

Source type

- 4 LED RGBW (x 60W)
- 64 LED White (x 3W)

Power

240 W

Colour Temperature

- LED RGBW: 8400 K
- LED White: 6500 K

CRI

Up to 70

amp life expectancy

50.000 Hrs L70*

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

Photometric Data

Zoom range



- 2.5° (**Beam**)
- 43.8° (**Field**)

Lumen output

- RGBW engine: 3819 Lm (integrating sphere)
- White engine: 8866 Lm (integrating sphere)

Front lens diameter

187 x 187 mm

Optical system

High efficiency

Noise Level

Silent

38.0 dBA

Auto

40.0 dBA

Theater

38.1 dBA

Constant

46.6 dBA

Control and Connections

Personalities

- Basic engine: 22 / 41 / 45 control channels
- Pixel engine: with 16 channels
- Strobe engine: with 8 channels

Protocols

DMX, Art-Net, RDM, sACN



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

- Electronic CTC 2500 – 8000K
- Advanced layers management (color, internal shape, pixel mapping + strobe)
- Individual LED control of four central RGBW LEDs
- Pre programmed shape selection of static and dynamic patterns, adjustable in color , speed, direction, fade, and strobe

Movement

- Tilt: 194°
- Pan: 540°
- Accuracy: Resolution $\pm 0,2^\circ$ ($\pm 0^\circ 12'00''$)
Range 0,4° (0°24'00')
- Mechanical Pan lock for safe transportation and maintenance
- Continuous Pan rotation

Beam

Motorized Zoom

Dimmer/Shutter

- High resolution electronic dimmer, 16 bit, 5



- curves
- Electronic strobe 25 f/sec
- 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

Housing

Magnesium housing
Two side handles for transportation
IP66 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

Max Power consumption

500W

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



1708 BTU/hr \pm 10% / 1800 kJ/hr \pm 10%

Safety Specs

Minimum distance of illuminated objects

0,2 m 8 in

Minimum distance from flammable materials

0,2 m 8 in

Protections

- Thermally protected power supply (overheating and cooling)
- Forced ventilation with axial fans
- 6.3A 250V fuse

Compliance [Expected]

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. 2016 N. 1191
- 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



Weight - Size

Weight

15.4 Kg (33.95 lbs)

Base dimension

- 245 x 338 mm
- 9.65 x 13.30 In

Height with vertical head (h)

- 476 mm
- 18.74 In

Accessories

Omega bracket

183102/805 (Included)

ETL Power

CAB02B/802 (included)

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

Flight case (6 pos)

CF1030F (Optional)

Foam shell

F21349-001 (Optional)

Safety Chain

105041-003 (Optional)

Clamp

C21070 (Optional)

