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SVB1™

Are you in search of a small, lightweight, high-impact lighting fixture that gives you an edge over the competition? Look no further! Introducing the eye-catching SVB1™ effect, beam, and wash luminaire!



Light source

1 module - contain 7 x 40W RGBW multichips, middle pixel contain 200W White strobe LEDs

Light output

11.000 lm, 17.500 lx

Zoom range

3,8° - 50°

Effects

Cpulse™ - Flicker Free Management, L3™ dimming system for ultra-smooth fade to black, AirLOC™ (Less Optical Cleaning), Motorised exceptionally quiet zoom, Wireless CRMX™, Epass™: Ethernet pass through switch, RLCT™ Innovative lens coating technology, Electronic strobe effect

This versatile, compact powerhouse, built on the heritage of its SVOPATT™ lineage, delivers high- output and extreme speed with continuous pan and tilt rotation, ensuring a captivating performance for your audience.

Equipped with seven individual 40W RGBW LED cells and a central pixel featuring both RGBW and a powerful 200W white strobe LED module, the SVB1™ offers full pixel mapping capabilities for unlimited creative looks and effects, boasting an impressive 11.000 lm output.

Helping to maintain this high level of performance, the RLCT™ lens coating protects against scratches and scuffs while preventing particle adhesion, ensuring your optics stay cleaner for far longer.

The SVB1™ stands out with its motorized zoom range, offering precise 3.8° beams to expansive 50° washes, all while operating with remarkable quietness. Its rapid speed and wide coverage are further enhanced by the fixture's 360° continuous pan and rotation capabilities, making it an impressive choice for any lighting setup.

With a choice of RGB or CMY colour mixing modes, a variable CCT range from 1,700K to 20,000K, an onboard DataSwatch™ colour library with 66 preset colours, and tungsten lamp emulation, the SVB1™ provides a comprehensive colour control set.

Designed for noise-sensitive environments, the SVB1™ operates at an ultra-quiet 18 dB(A) in quiet mode due to its advanced AirLOC™ cooling technology and noise dampening design. Along with Cpulse™ software for on-screen flicker removal and +/- green content control, this luminaire is ideal for studio environments.

A multitude of modes and protocols, including ArtNet and sACN, ensures easy pixel mapping. Network communication is streamlined with REAP™ (Robe Ethernet Access Portal), while the Epass™ Ethernet pass-through switch maintains connectivity even when the fixture is powered off.

Weighing just 7.2 kg, the compact and feature-packed SVB1™ offers exceptional speed, accuracy and punch, making it the perfect enhancement for any performance!

SVB1™ - Enhancing your impact!

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Technical Specification

Source

- Light source type:
  - 1 module - contain 7 x 40W RGBW multichips
  - middle pixel contain White strobe LEDs
- LED life expectancy: min. 50.000 hours
- Typical lumen maintenance: L70/B50 @ 50.000 hours

Optical system

- Robe's proprietary optical design
- High-efficiency zoom optical system, ratio 13:1
- Zoom range: 3.8° - 50°
- Diffusion filter imbedded
- Fixture total lumen output:
  - 11.000 lm (integrating sphere)
  - 8.600 lm (goniophotometer)
- Illuminance: 17.500 lx @ 5 m
- RLCT™ Innovative lens coating technology

Dynamic Effects and Features

- Colour mixing mode RGBW or CMY
- + - Green correction function
- 9 individually controllable Strobe LED zones
- White light: Variable CCT 1.700K - 20.000K
- DataSwatch™ filters: pre-programmed 66 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
- Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)
- Motorised exceptionally quiet zoom
- High resolution electronic dimming: 0 - 100%
- Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects
- L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black
- Cpulse™ special flicker-free management for HD and UHD cameras, ready for 8K and 16K

Control and programming

- Setting & Addressing: ROBE Navigation System 3 (RNS3)
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding, NFC app controller
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- REAP™ - Robe Ethernet Access Portal
- Wireless CRMX™ technology from Lumen Radio - On request
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - On request
- DMX Protocol modes: 3
- Control channels: 28, 61, 58
- RGBW / CMY: 8 or 16 bit
- Pan & Tilt resolution: 8 or 16 bit
- Zoom: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Movement

- Automatic Pan & Tilt position correction
- Pan movement range 540° with continuous rotation control
- Movement control: Standard and Speed
- Tilt movement range 360° with continuous rotation control
- Controllable speed of Pan & Tilt movement

Thermal specification

- Maximum ambient temperature: 45°C (113°F)
- Maximum surface temperature: 70°C (158°F)
- Minimum operating temperature: -5°C (23°F)

Noise Levels

- Sound pressure level:
  - 18 dB(A) at 1 m (quiet mode)
  - 34 dB(A) at 1 m (auto mode)
- Sound power level:
  - 26 dB(A) (quiet mode)
  - 42 dB(A) (auto mode)

Electrical specification and connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: Max. 200 W
- Power connector in/out: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 5-pin XLR connectors
- Ethernet port in/out: RJ45, for Embedded Epass™ switch 10/100 Mbps - On request

Approvals

- CE Compliant
- cETLus Compliant

Mechanical specification

- Height: 398 mm (15.7") - head in vertical position
- Width: 281 mm (11")
- Depth: 186 mm (7.3") - head in vertical position
- Weight: 7.2 kg (15,87 lb)
- Ingress protection rating: IP20

Rigging

- Universal operating position
- Safety cable attachment point

Included items

- User Manual
- Omega Adaptor CL-regular

Optional accessories

- Doughty Trigger Clamp: 17030386
- Safety wire 36 kg: 99011963
- Wireless DMX external module: 10980127
- Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor: 13052405
- Mains Cable powerCON TRUE1 In/US, 2m, Indoor: 13052406
- Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor: 13052445
- Mains Cable powerCON TRUE1 In/Open ended, 2m, Indoor: 13052407
- Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor: 13052439

- Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor: 13052440
- Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor: 13052444
- Single Top Loader Case: 10120361
- Quad Top Loader Case: 10120362
- Eight Pack Top Loader Case: 10120363
- Foam Shell: 20020505

Legal

- SVB1™ is a Trademark of Robe lighting s. r. o.
- SVB1™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents