

iSTROBE™

Illuminate your beat like never before with the ultra-modern, intensely dynamic Robe iSTROBE™. Built to deliver blazing stroboscopic brilliance, this all-environment-protected powerhouse ensures exceptional performance for any production, anywhere.



Light source

16 x 60W RGBW LED multichips and 72x 20W White strobe LEDs



Light output

Up to 134.000 lm, 9.200 lx @ 5m



Zoom range

White strobe LEDs: 98°x 14° - 125°x 97°
RGBW LED multichips: 13° - 95°



Effects

Pre-programmed random strobe & pulse effects , Continuous PAN and TILT rotation, Pre-programmed show & visual effects

With incredible speed and continuous pan and tilt rotational control, including individual timing, the iSTROBE™ features EMS™ (Electronic Motion Stabiliser) technology for instant stops and the most dynamic movement on the market. Whether you're creating rhythmic subtleties or unleashing brute force, this strobe light offers unparalleled versatility.

Equipped with 16 x 60W RGBW and 72 x 20W White Strobe LEDs, the iSTROBE™ delivers an unmatched visual presence. Strobe control allows flash durations from 13 - 860 ms with variable rates ranging from 0.3 - 30 Hz, giving you precise control over every beat and burst of light.

For ultimate show impact, the High Intensity Blinder feature adds another 1000W of warm white and amber LEDs, which used in the 1.800K - 3.200K range with tungsten emulation of lamps from 750W to 2.500W to generate the most intense blinder effects possible.

Featuring two independent 13 - 95° standard zooms for the RGBW zones, the iSTROBE™ features the first linear strobe zoom control available! Opening new vistas for lighting designers, the transformative Hyper-ZTM linear zoom, with 98 x 14° to 125 x 97° reach encompasses rapid, linear versatility not previously possible!

Built-in strobe effect macros, including ramp up/down, random, single, and sequenced flashes, streamline programming for rapid creativity.

The iSTROBE™ also provides individual zonal control for 12 white strobe and 16 RGBW, pixels, offering variable speed control and limitless combinations using its comprehensive set of control protocols.

Advanced features include a DataSwatch™ onboard colour library; variable CCT of 2.700K-10.000K for RGBW zones; +/- green content control; L3™ 18-bit Low Light Linearity dimming; Cpulse™ flicker removal software for professional-grade results.

Designed to excel in any environment, the IP65-rated iSTROBE™ incorporates Robe's patented RAINS™ active protection system and POLAR+ standby technology, ensuring peak performance even in extreme temperatures down to -50°C, all within its 30 kg frame.

iSTROBE™ - ultra-modern strobing for today and beyond.

Technical Specification

Source

- Light source type: 16 x 60W RGBW LED multichips and 72x 20W White strobe LEDs
- LED life expectancy: min. 40 000 hours
- Typical lumen maintenance: 70% @ 40 000 hours

Optical system

- Highly efficient component optics
- Zoom range:
 - White strobe LEDs: 98°x 14° - 125°x 97°
 - RGBW LED multichips: 13° - 95°
- Fixture total lumen output:
 - 134.000 lm (integrating sphere)
 - 107.000 lm (goniophotometer)
- Illuminance: 9.200 lx @ 5m
- parCoat™ (particle resistant coating) unique hydrophobic and oleophobic coating helps prevent water, dirt, dust, haze and smoke from adhering to the output lens
- Hyper-Z™ linear zoom encompasses linear versatility not previously possible

Dynamic Effects and Features

- Colour mixing mode RGBW or CMY
- Zone control:
 - 2x RGBW LEDs zones: 8 + 8 pixels
 - 1x White LED zone: 12 pixels
- White light:
 - RGBW zones: Variable CCT 2.700K - 10.000K
 - White zone: Variable 1.800K - 3.200K and fixed 6500K
- + - Green correction function
- DataSwatch™ filters: pre-programmed 237 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 1.800K to 3.200K (red shift and thermal delay)
- Strobe duration: 13 - 860 ms
- Strobe rate: 0,3 - 30 Hz
- Strobe effect: Ramp up, ramp down, ramp up-down, random flash, single flash, Lighting, Spikes, Double flash, Tripple flash, Quad Flash, Burst flash Rnd
- Individual zone strobe effect with variable speed
- 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
- AirLOC™ (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.
- POLAR+™ for power saving and instant operation in extremely cold weather conditions
- Pre-programmed show & visual effects: (synchronized for multiple fixtures) police, fire, flashlights, sunset, sunrise

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, Kling-Net
- REAP™ - Robe Ethernet Access Portal
- RAINS™ (Robe Automatic Ingress Neutralization System) manages humidity, temperature and pressure control using an active monitoring system to automatically remove any moisture detected within the fixture and provides constant monitoring to ensure peak performance
- Wireless CRMX™ technology from Lumen Radio
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity
- DMX Protocol modes: 5
- Control channels: 32, 44, 64, 106, 140
- RGBW / CMY: 8 or 16 bit (internal 18 bit)
- Pan & Tilt resolution: 16 bit
- Variable CCT: 8 bit
- Zoom: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Movement

- Pan movement range 540° with continuous rotation control
- Tilt movement range 360° with continuous rotation control
- Controllable speed of Pan & Tilt movement
- MAPS™ - Motionless absolute positioning system for Pan and Tilt (Patented)
- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patented)

Thermal specification

- Maximum ambient temperature: 50°C (122°F)
- Maximum surface temperature: 80°C (176°F)
- Minimum operating temperature: -50°C (-58°F)

Electrical specification and connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: Max. 1350W
- Power connector in: IP65 Neutrik powerCON TRUE1
- DMX and RDM data in/out: IP65 Locking 3-pin & 5-pin XLR connectors
- Ethernet port in/out: IP65 RJ45, for Embedded Epass™ switch 10/100 Mbps

Approvals

- CE Compliant
- cETLus Compliant (pending)

Mechanical specification

- Rugged aluminium housing
- Height: 489 mm (19,25") - head in vertical position
- Width: 608 mm (23,93")
- Depth: 283 mm (11,14")
- Weight: 30 Kg (66 lbs)
- Ingress protection rating: IP65

Rigging

- Mounting positions: Horizontally or vertically
- Universal operating position

Included items

- User Manual
- Omega Adaptor CL-regular 2 pcs: 10980033
- Power cord including powerCON TRUE1 In connector:
 - US:13052277-01
 - EU:13052276-01

Optional accessories

- Doughty Trigger Clamp: 17030386
- Safety wire 36 kg: 99011963
- Single Top Loader Case: 10120377
- Dual Top Loader Case: 10120378
- Foam Shell: 20020517

Legal

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