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iSpiider®

Unlike other spiders, our new IP65 rated iSpiider®, with its highly advanced protective design, is perfectly happy to play in the rain!

Light source

1x 60W RGBW and 18 x 40W RGBW LED multichips

Light output

10.500 lm, 49.000 lx @ 5m

Zoom range

4° - 50°

Effects

pixel control, MCFE™ - Multi-Coloured Flower Effects, virtual colour wheel, tungsten lamp effect, preprogrammed pixel effects

Ideally suited for festivals, concerts and outdoor events, or any scenario needing to deal with inclement or unpredictable weather, the iSpiider® is a bright, high-performance rated WashBeam luminaire, retaining all the favourite features of its phenomenally successful indoor relative, the Spiider®.

Designed, developed, and manufactured, to be sealed against water and particle ingress, thereby strictly adhering to their IP65 rating, you can be confident of both its protection and performance.

Their aluminium housing gives a dust-free environment for the optics, eliminating the need for frequent cleaning and routine maintenance.

By including NFC (Near-Field Communication) technology, you can access setup, diagnostic and performance features, even when the fixture is not powered, directly from your mobile device using the Robe Com app.

iSpiider® uses the same 18 x 40-Watt, and 1 x 60-Watt LED source as the original, with the identical 12.5:1 zoom optical system, giving the same, tight 4° Beam to wide 50° Wash.

The unique Robe patented MCFE™ - Multi-Coloured Flower Effect, driven by the center 60W RGBW LED multichip, produces sharp, multicoloured spikes of light, rotating in both directions at variable speed, adding visual impact to any show.

All control protocols are present, with dynamic video effects achieved by mapping individual pixels, controlled by DMX control desks, media servers via sACN with internal HTP merging, or Kling-Net.

Designed to be used indoors or out, we make fixture swap with the original Spiider® easy, as the DMX control channels, operating speeds, and feature set of both luminaires are identical.

iSeries – Robe reliability in all weathers.

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Technical Specification

Source

- Light source type: 1x 60W RGBW and 18 x 40W RGBW LED multichips
- 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 12,5:1
- Zoom range: 4° - 50°
- Fixture total lumen output: 10.500 lm
- Illuminance: 49.000 lx @ 5 m
- Innovative lens coating technology (Patent pending)

Dynamic Effects and Features

- Colour mixing mode RGBW or CMY
- Individual control of each RGBW pixel
- White light: Variable CCT 2.700K - 8.000K
- 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 4.200K (red shift and thermal delay)
- Colour rainbow effect with variable speed
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and direction
- Innovative Flower Effect: rotating in both directions at variable speed (Patented)
- Electronic strobe effect with variable speed up to 20 Hz, pre-programmed random strobe & pulse effects
- High resolution electronic dimming: 0 - 100%
- L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black

Control and programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Display: QVGA Robe screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, built-in analyser for easy fault finding, NFC app controller
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN, Kling-Net
- 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

- REAP™ - Robe Ethernet Access Portal
- DMX Protocol modes: 10
- Control channels: 49, 27, 33, 90, 27, 47, 91, 110, 104, 123
- Pan/Tilt resolution: 16 bit
- R,G,B,W colour mixing: 8 or 16 bit (internal 18 bit)
- Zoom: 8 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Movement

- Pan movement: 540°
- Tilt movement: 220°
- Movement control: Standard and Speed
- Controllable speed of Pan/Tilt movement
- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patent pending)
- Automatic Pan/Tilt position correction

Thermal specification

- Maximum ambient temperature: 45°C (113°F)
- Maximum surface temperature: 75°C (167°F)
- Minimum operating temperature: -10°C (14°F)

Electrical specification and connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: max. 600 W
- Power connector in: IP65 Neutrik powerCON TRUE1
- DMX and RDM data in/out: IP65 Locking 5-pin XLR connectors
- Embedded Ethernet switch 10/100 Mbps: 1 x in / 1 x out
- Ethernet port in: 2 x IP65 RJ45 connector

Approvals

- CE Compliant
- cETLus Compliant (pending)

Mechanical specification

- Height:
  - 534 mm (21.0”) – head in vertical position

  - 595 mm (23.4”) – head in horizontal position
- Width: 450 mm (17.7”)
- Depth: 277 mm (10.9”)
- Weight: 24.9 kg (54.9 lbs)
- Ingress protection rating: IP65

Rigging

- Mounting positions: Horizontally or vertically
- Universal operating position
- Mounting points: 2 pairs of 1/4-turn locking points
- 2x Omega adaptors with 1/4-turn quick locks
- Safety cable attachment point
- Tilt transport lock

Included items

- User Manual
- Omega Adaptor CL-regular 2 pcs
- Power cord including powerCON TRUE1 In connector

Optional accessories

- Doughty Trigger Clamp: 17030386
- Safety wire 36 kg: 99011963
- Single Top Loader Case: 10120277
- Dual Top Loader Case: 10120278
- Foam Shell: 20020416

Legal

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