ROBE lighting s .r. o., Hazovice 2090
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ROBE.®

iSpiiderX®

Introducing the iSpiiderX®, a pinnacle of cutting-edge design, construction, and protection technology. Evolving from the esteemed legacy of its predecessor, the original iSpiider®, this high-performance fixture boasts an IP65 rating, ensuring resilience against any weather conditions.

Light source

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

Light output

13.100lm, 49.000 lx @ 5m

Zoom range

4° - 50°

Effects

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

Tailored for festivals, concerts, outdoor events, and environments prone to inclement weather, the iSpiiderX® combines state-of-the-art construction materials with a minimalist design, weighing a mere 19 kg. It features the leading IP65-rated active RAINS™ protection system for unparalleled durability.

Equipped with 18 × 40-Watt RGBW and 1 × 60-Watt LED multichip sources, the iSpiiderX® maintains the core specifications of the original Spiider®. Its 12.5:1 zoom optical system delivers a versatile range from a tight 4° Beam to a wide 50° Wash, retaining full pixel mapping capability.

The hallmark of the iSpiiderX® is the patented MCFE™ - Multi-Coloured Flower Effect, powered by the centre 60W RGBW LED multichip. This feature produces vivid, rotating multi-coloured spikes of light, enhancing the visual spectacle of any performance.

To facilitate maintenance and ensure a dust-free environment for the optics, the iSpiiderX® introduces the patented EasyClean™ lens sandwich system. This innovative design simplifies lens removal and cleaning, while the non-reflective front lens minimizes distractions.

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For seamless programming, the onboard DataSwatch™ colour library offers 66 premixed colours and tones, including whites. Advanced L3™ dimming software ensures imperceptible fades to black, enhancing the overall lighting experience.

Engineered for quiet operation, the iSpiiderX® features advanced cooling systems and super smooth zoom stepper motors. With tungsten lamp emulation and variable CTO from 2.700K to 8.000K, it excels in noise-sensitive environments.

The Cpulse™ - Pulse Width Modulation control system eliminates on-screen camera flicker, making the iSpiiderX® compatible with advanced camera systems.

The onboard RAINS™ (Robe Automatic Ingress Neutralization System) actively monitors humidity, temperature, and pressure, ensuring peak performance by automatically removing moisture detected within the fixture thus protecting the internal micro-climate.

Designed to operate in extreme cold, the iSpiiderX® features POLAR+™ technology, maintaining internal temperature levels down to minus 50 degrees centigrade with minimal power consumption.

The luminaire conducts an on-call self-pressure test in under 3 minutes, ensuring maximum protection by detecting errors in gasket placement and cover tightening.

Utilizing NFC (Near-Field Communication) technology, the Robe Com app provides access to setup, diagnostics, and performance features directly from mobile devices. The REAP™ (Robe Ethernet Access Portal) facilitates remote monitoring of fixture performance over Ethernet Networks.

Supporting all control protocols, including DMX control desks, media servers via sACN, and Kling-Net, the iSpiiderX® delivers dynamic video effects through pixel mapping. CRMX wireless DMX and the Epass™ Ethernet pass-through switch ensures maintained network connectivity.

The iSpiiderX® is part of the iSeries, the new standard in outdoor lighting, combining cutting-edge technology with robust construction and unparalleled performance.

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
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- 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°
- Robe's proprietary optical design
- High-efficiency zoom optical system, ratio 12,5:1
- Zoom range: 4° - 50°

Dynamic Effects and Features

- Colour mixing mode RGBW or CMY
- Individual control of each RGBW pixel
- White light: Variable CCT 2.700K - 8.000K
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- Individual control of each RGBW pixel
- White light: Variable CCT 2.700K - 8.000K

Control and programming

- Setting & Addressing: ROBE Navigation System 3 (RNS3)
- 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
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Movement

- Pan movement: 540°
- Tilt movement: 220°
- Movement control: Standard and Speed
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- Tilt movement: 220°
- Movement control: Standard and Speed

Thermal specification

- Maximum ambient temperature: 50°C (122°F)
- Maximum surface temperature: 80°C (176°F)
- Minimum operating temperature: -50°C (-58°F)
- 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. 660 W
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- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: max. 660 W

Approvals

- CE Compliant
- cETLus Compliant (pending)
- CE Compliant
- cETLus Compliant (pending)

Mechanical specification

- Height:
  - 460 mm (18.11") – head in vertical position
  - 505 mm (19.88") – head in horizontal position
- Width: 424 mm (16.69")
- Height:

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- 460 mm (18.11") – head in vertical position
- 505 mm (19.88") – head in horizontal position
- Width: 424 mm (16.69")

Rigging

- Mounting positions: vertically
- Universal operating position
- Mounting points: 2 pairs of 1/4-turn locking points
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- Universal operating position
- Mounting points: 2 pairs of 1/4-turn locking points

Included items

- User Manual
- Omega Adaptor CL-regular 2 pcs
- Power cord including powerCON TRUE1 In connector:
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- 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: 10120352
- Doughty Trigger Clamp: 17030386
- Safety wire 36 kg: 99011963
- Single Top Loader Case: 10120352

Legal

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