

Tel: +420-571-751500 Fax: +420-571-751515 Email: info@robe.cz

# **Spiider®**

The Robe Spiider® - Our super bright LED WashBeam luminaire has truly set the benchmark in performance! Using 18 x 40 Watt and 1 x 60 Watt LEDs, combined with a highly efficient 12,5:1 zoom optical system, ranging from tight 4° Beam to wide 50° Wash, makes the Spiider® the leader in its class. Beautiful convergence of hard edge in-air effects, punchy beams and smooth, homogenized rich colour washes are all encapsulated in the unique Spiider®!



### **Light source**

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



# **Light output**

13.700 lm, 50.100 lx @ 5m



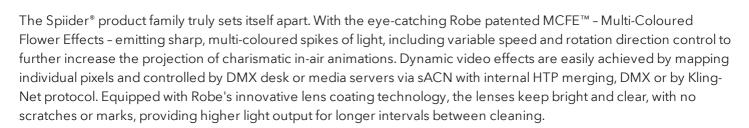
#### **Zoom range**

4° - 50°



#### **Effects**

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



Perfect colour and dimming control are available via RGBW and CMY colour mixing modes; our 18 Bit L3™ Low Light Linearity dimming software for imperceptible fades to black; variable CCT of 2.700K - 8.000K; tungsten emulation simulating the red shift and thermal delay of tungsten lamps for whites from 2.700K - 4.200K; and our DataSwatch™ 237 pre-programmed colour library.





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# **Technical Specification**

#### Source

- Light source type: 1x 60W RGBW and 18x 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:
  - 13.700 lm (integrating sphere)
  - 11.000 lm (goniophotometer)
- Illuminance: 50.100 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
- Variable CTO: 2.700K 8.000K
- Virtual Colour Wheel: with 66 preset swatches
- Tungsten lamp effect at whites: 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
- MCFE™ Multi-Coloured Flower Effects creating spectacular multicolour beam effects in the air rotating in both directions at variable speed (patented)
- Strobe effect: variable speed (max. 20 flashes per second)
- Pre-programmed random strobe & pulse effects
- High resolution electronic dimming: 0 100%
- L3<sup>™</sup> (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black

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# **Control and programming**

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- 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
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN, Kling-Net
- Wireless CRMX™ technology from Lumen Radio on request
- 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 (Patented)
- Automatic Pan/Tilt position correction

# Thermal specification

- Maximum ambient temperature: 45 °C (113 °F)
- Maximum surface temperature: 75 °C (167 °F)
- Minimal operating temperature: 5°C (23 °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 in connector: Neutric powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in/out: RJ45
- Embedded Ethernet switch 10/100 Mbps: 1 x in / 1 x out



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# **Approvals**

- CE Compliant
- cETLus Compliant

# **Mechanical specification**

• Height: 477 mm (18.7")

• Width: 390 mm (15.3")

Depth: 252 mm (9.9")

Weight: 13.3kg (29.2 lbs)

Ingress protection rating: IP20

# 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**

Diffusion filter 2°: 10980416

Clear lens cover: 10980607

EggCrate: 10980317

Doughty Trigger Clamp: 17030386

Safety wire 36 kg: 99011963

Single Omega Bracket for one clamp - black: 10980100

Single Omega Bracket for one clamp - white: 10980129

• Single Omega Bracket for one clamp - neutral: 10980113

• Single Top Loader Case: 10120195-01

Dual Top Loader Case: 10120207

Quad Top Loader Case: 10120208

Foam Shell: 20020290



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# Legal

- Spiider® is a registered trademark of Robe lighting s. r. o.
- Spiider® is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents