Spiider®

Spiider, a superbright next generation of LED WashBeam luminaries, using 18x 30 Watt and 1x 60 Watt LEDs and combining it with a very efficient 12:1 zoom optical system ranging from tight 4° Beam to wide 48° Wash, makes the product the most powerful LED fixture on the market!

Beautiful convergence of hard edge in-air effects, punchy beams and smooth homogenized wash is all encapsulated in the unique Spiider.

Rich colors of 19 powerfull RGBW LEDs can create charming wash light with velvety smooth transitions thanks to internal 18bit LED dimming system.

Dynamic video effects are easily achieved by mapping individual pixels and controlled by DMX desk or media servers via sACN with internal HTP merging, DMX or by Kling-Net protocol.

Unique central piece with Robe exclusive Flower Effect is driven by 60W RGBW LED multichip for new innovative sharp multicoloured spikes of light, rotating in both directions at variable speed, adding another new visual effect to the show.

Source

- Light Source Type: 1x 60W RGBW and 18 x 30W RGBW LED multichips
- LED Life Expectancy: min. 20 000 hours
- Typical Lumen Maintenance: 70% @ 20 000 hours

Optical System

- Robe’s proprietary optical design
- 12:1 Zoom optical system
- Zoom range: 4° – 48°
- High efficient component optics
- Fixture total lumen output: 11.000 lm
- Light output: 50.100 lx @ 5m

Dynamic Effects

- Colour mixing mode: RGBW/CMY
- Individual control of each RGBW pixel
- Variable CTO 2.700K – 8.000K
- Virtual Colour Wheel with 66 preset LEE swatches
- Tungsten lamp emulation at whites 2.700 K and 3.200 K (red shift and thermal delay)
- Colour rainbow effect with variable speed
- Pre-programmed pixel effects and patterns with colour, dimming and strobe chases, waves and pulses at variable speed and directions
- Innovative Flower Effect rotating in both directions at variable speed (patent pending)
- High Resolution Dimmer: 0 – 100%
- Strobe effect: variable speed (max.20 flashes per second)
- Pre-programed random strobe & pulse effects

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, 3 editable programs - each up to 100 steps
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN, Kling-Net
- Wireless CRMX™ technology from Lumen Radio (on request)
- Protocol Modes: 4
- Control Channels: 49, 27, 33, 90
- Pan/Tilt resolution: 16 bit
- R,G,B,W colour mixing (internal 18 bit): 8 or 16 bit
- 19x R,G,B pixel control: 8 bit
- Zoom: 8 bit
- Dimmer (internal 18 bit): 8 or 16 bit
- Built-in analyser for easy fault finding

Movement

- Pan movement: 450°
- Tilt movement: 300°
- 16 bit movement resolution
- 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 Specifications and Connections

- Power supply: Electronic auto-ranging
- Input Voltage range: 100-240 V AC, 50-60 Hz
- Power Consumption: max. 600W
- Power in Connector: Neutric powerCON TRUE 1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet Port in/out: RJ45
- Embeded Ethernet switch 10/100 Mbps: 1 x in/ 1x out

Approvals

- CE compliant
- cETLus compliant (pending)

Mechanical Specification

- Height: 477 mm (18.7”)
- Width: 390 mm (15.3”)
- Depth: 286 mm (11.3”)
- Weight: 13,3kg (29.2 lbs)

Rigging and Mounting

- Mounting points: 2 pairs of 1 -turn locking points
- 2x Omega brackets with 1-turn quick locks
- Universal operating position

- Safety cable attachment point
- Tilt transport lock

Accessories

- Wireless DMX Module
- Top hat

Legal

- Spiider® is 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