

# Spikie®

Spikie, a small, super fast LED WashBeam, which utilises a single 60W RGBW light source with a specially designed 110mm wide front lens producing a solid beam. The fixture quickly zooms from a soft wide 28° wash to a tight sharp-edged 4° beam or one of two new stunning air effects.

**Light source**

60W RGBW LED

**Light output**

1.150 lm, 9.270 lx @ 5 m

**Zoom range**

4°-28°

**Effects**MCFE™ - Multi-Coloured Flower Effects,  
Colour Rainbow Effect, 3 Facet Prism

Robe patented MCFE™ - Multi-Coloured Flower Effects, creates sharp multicoloured spikes of light, rotating in both directions at variable speed. Additionally, a unique Beam Effect Engine transforms the output into a dynamic ray of three narrow beams, creating another new visual effect to the show. Continuous rotation of pan and tilt gives new dynamic elements across the stage. Spikie is a very compact 7.3 kg fixture, which can be hung in any position. It is supplied complete with one Omega bracket and is available in cardboard, single, quad and eight-pack cases.

# Technical Specification

## Source

- Light source: 60W RGBW LED
- 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 7:1
- Zoom range: 4° - 28°
- Output lens diameter: 110 mm
- Fixture total lumen output:
  - 1.150 lm (integrating sphere)
  - 920 lm (goniophotometer)
- Light output: 9.270 lx @ 5m

## Dynamic Effects and Features

- Colour mixing mode RGBW or CMY
- Variable CTO: 2.700K - 8.000K
- Virtual Colour Wheel: with 66 preset swatches
- Tungsten lamp effect at whites: 2.700 K and 3.200 K (red shift and thermal delay)
- Colour rainbow effect with variable speed
- MCFE™ - Multi-Coloured Flower Effects - creating spectacular multicolour beam effects in the air rotating in both directions at variable speed (patent pending)
- Prism: 3-facet circular rotating prism
- Motorized zoom
- Shutter: Electronic with variable speed strobe (max.20 flashes per second)
- Pre-programmed random strobe & pulse effects
- High resolution electronic dimming: 0 - 100%

## Control and programming

- Setting & Addressing: two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 40 steps)
- Protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio: On request
- DMX Protocol modes: 2
- Control channels: 27, 21
- Pan/Tilt resolution: 16 bit
- RGBW or CMY: 8 or 16 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
- Movement control: Standard and Speed
- Controllable speed of Pan/Tilt movement
- Automatic Pan/Tilt position correction

## Thermal specification

- Maximum ambient temperature: 45 °C (104 °F)
- Maximum surface temperature: 70°C (158°F)
- Minimum operating temperature: -5°C (23°F)
- Total heat dissipation: max. 340 BTU/h (calculated)

## Electrical specification and connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: Max. 100 W at 230 V / 50 Hz
- Power in/out connector: Neutrik powerCON TRUE1 in/out
- DMX and RDM data in/out: Locking 5-pin XLR

## Approvals

- CE compliant
- cETLus compliant

## Mechanical specification

- Height: 408 mm (16.1") - head in vertical position
- Width: 277 mm (10.9")
- Depth: 147 mm (5.8")
- Weight: 7.3 kg (16.1 lbs)
- Ingress protection rating: IP20

## Rigging

- Mounting positions: Horizontally or vertically
- Universal operating position
- Mounting points: 1 pair of 1/4-turn locking points
- 1x Omega adaptor with 1/4-turn quick locks
- Safety cable attachment point

## Included items

- User Manual
- Omega Adaptor CL-regular

## Optional accessories

- Wireless DMX external module: 10980127
- Trigger Clamp Doughty: 17030386
- Safety wire 35 kg: 99011963 Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor 13052405
- Mains Cable powerCON TRUE1 In/US, 2m, Indoor 13052406
- Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor 13052445
- Mains Cable powerCON TRUE1 In/open ended, 2m, Indoor 13052407 Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor 13052439
- Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor 13052440
- Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor 13052444
- Single Top Loader Case: 10120193
- Quad Top Loader Case: 10120203
- Eight Pack Top Loader Case: 10120198
- Quad Foam Shell: 20020278

## Legal

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