

# Spikie+®

Retaining the fast-moving, compact design of the original, the new Spikie+® generates 25% more lumen output from its single 60W RGBW LED source, giving you even more impact!

**Light source**

60W RGBW LED

**Light output**

1.550 lm, 11.000 lx @ 5 m

**Zoom range**

4°-28°

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

With a 110mm specifically designed front lens, Spikie+® rapid moving zoom produces beams from a tight, sharp 4-degrees out to a soft wide 28-degree wash.

Spikie+® creates visual splendour with our Robe patented MCFE™ - Multi-Coloured Flower Effects - creating sharp multicoloured spikes of light, rotating bi-directionally with variable speed.

The unique Beam Effects Engine transforms the output into three piercing rays of narrow beams, while continuous pan and tilt movement creates another layer of dynamism to your show.

Colour management includes CMY or RGBW mixing modes; a variable CTO from 2.700K to 8.000K; Tungsten lamp thermal delay/red shift effects with whites at 2.700K or 3.200K.

Small and compact, weighing just 7.3 kg, Spikie+® permits rigging at any angle, is supplied with one Omega bracket and is available in cardboard, single, quad or eight-pack cases.

# Technical Specification

## Source

- Light source type: 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
- Illuminance: 11.000 lx @ 5m
- Fixture total lumen output:
  - 1.550 lm (integrating sphere)
  - 1.250 lm (goniophotometer)
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## 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 (patented)
- 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 / 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 connector in/out: 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 36 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
- Spikie/MotionCamera Single Foam Shell: 20020321

## Legal

- Spikie+<sup>®</sup> is Registered Trademark of Robe lighting s. r. o.
- Spikie+<sup>®</sup> is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents