

60W RGBW LED

CONTINUOUS PAN & TILT ROTATION

SUPER FAST MOVEMENT

SMALL COMPACT LIGHTWEIGHT

Spikie®

Packaging

Cardboard	Single Top Loader Case	Quad Top Loader Case	Eight-Pack Top Loader Case
			
Exterior dimensions			
300 x 380 x 480 mm (11.8" x 15.0" x 18.9")	375 x 305 x 570 mm (14.8" x 12" x 22.4")	675 x 600 x 650 mm (26.6" x 23.6" x 25.6")	1120 x 600 x 650 mm (44.1" x 23.6" x 25.6")

ROBIN® Innovative Technology

www.robe.cz

ROBE®

Head office: ROBE lighting s. r. o. | Hálkovice 2090 | 756 61 Rožnov pod Radhoštěm | Czech Republic
Factory: ROBE lighting s. r. o. | Palackého 416 | 757 01 Valašské Meziříčí | Czech Republic
Tel.: +420 571 751 500 | Fax: +420 571 751 515 | E-mail: robe@robe.cz

October 2019 © ROBE lighting s. r. o. All specifications subject to change without notice. Patents pending.

Spikie®

ROBE®

WASH BEAM

ZOOM 4°–28°

MULTI-COLOURED FLOWER EFFECT

BEAM SPLITTER



Technical Specification

Spikie®

Spikie, a small, super fast LED WashBeam, which utilises a single 60W RGBW light source with a specially designed 110 mm 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.

The new innovative Multi-Coloured Flower Effect creates sharp colourful 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- and eight-way cases.

Source

- Light source type: 60W RGBW LED
- LED life expectancy: min. 20.000 hours
- Typical lumen maintenance: 70% @ 20.000 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: 920 lm
- Brightness: 9.270 lx @ 5m

Dynamic Effects

- 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 25 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 360° 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: 80 °C (176 °F)
- Minimum operating temperature: -5 °C (23 °F)

Electrical Specification

- 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 3-pin & 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)

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

Accessories

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

Legal

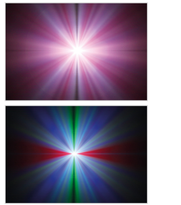
- Spikie® is a registered trademark of Robe lighting s.r.o.
- Splider® is patented by Robe lighting s.r.o. and protected by one or more pending or issued patents



Spikie®

Product diagrams

Multi-Coloured Flower Effect



Multi-Coloured Flower Effect

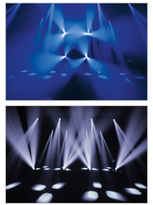
The new innovative Multi-Coloured Flower Effect creates sharp colourful spikes of light, rotating in both directions at variable speed.



Beam Effect Engine

A unique Beam Effect Engine transforms the output into a dynamic ray of three narrow beams, creating another new visual effect to the show.

Beam Effect







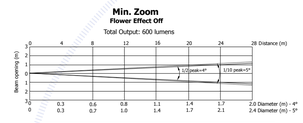




Min. Zoom

Flower Effect Off

Total Output: 600 lumens

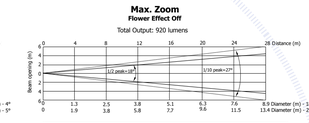


Distance (m)	4	5	8	12	16	20	24	28	
Red	242/2225	155/1144	60/536	270/25	151/14	97/9	67/6	50/5	Intensity (candle/ Illuminance (lux)
Green	510/4709	330/3057	129/1193	57/525	32/230	206/19	145/13	105/10	
Blue	765/71	490/46	191/18	85/8	48/4	312/28	21/2	16/1.5	
White	1675/639	4400/405	1718/160	764/71	430/40	275/26	191/18	140/13	
R+G+B+W	3444/1596	5270/861	3621/336	1609/150	905/84	579/54	403/37	296/28	

Max. Zoom

Flower Effect Off

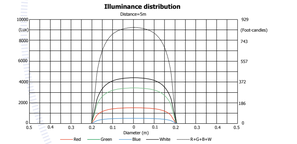
Total Output: 920 lumens



Distance (m)	4	5	8	12	16	20	24	28	
Red	125/12	80/7.4	31/3	14/1.3	8/0.7	5/0.5	4/0.3	2/0.2	Intensity (candle/ Illuminance (lux)
Green	266/25	170/16	66/6.2	30/2.7	17/1.5	10/1	7/0.7	5/0.5	
Blue	40/3.8	26/2.4	10/0.9	5/0.4	3/0.2	2/0.2	1/0.1	0.8/0.1	
White	344/32	220/20	87/8	38/4	22/2	14/1.3	9/0.9	7/0.7	
R+G+B+W	727/68	465/43	185/17	80/8	45/4.2	29/2.7	20/1.9	15/1.4	

Illuminance distribution

Distance=5m



Illuminance distribution

Distance=5m

