

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

Square™

The ROBE Square™ offers new exciting possibilities by combining video projection, pixel animations, beam effects and LED wash light all in a continuous rotation movement fixture.



Light source

25x 30 W RGBW multichips



Light output

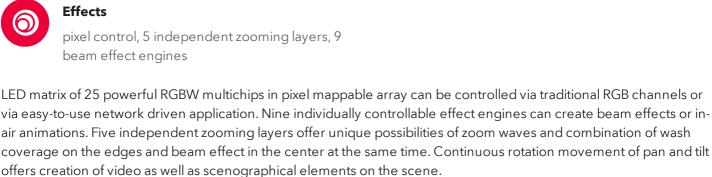
35.000 lx @ 5 m / 6.960 lm



Zoom range

Zoom range (5 LED lines ON): 4°-48° (60° with 2 LED lines ON)









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Technical Specification

Source

- Light source type: 25x 30 W RGBW multichips
- Fixture total lumen output: 6.960 lm
- Light output: 35.000 lx @ 5 m
- LED life expectancy: minimum 20.000 hours
- Typical lumen maintenance: 70% @ 20.000 hours

Electromechanical effects

- High efficient component optics
- · Optical lenses with compensated colour aberration
- Zoom range (5 LED lines ON): 4°-48° (60° with 2 LED lines ON)
- 5 independent zooming modules, each module consisting of 5 LEDs in linear configuration
- 9 independently controllable beam effect engines, creating dynamic rays of microbeams in the air
- Individual control of each RGBW pixel
- Colour mixing system: RGBW/CMY
- Variable CTO
- Virtual colour wheel with pre-programmed: 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K, 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K (red shift and thermal delay during dimming)
- Colour rainbow effect with variable speed
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and directions
- High resolution dimmer: 0-100%
- Strobe effect: variable speed (max. 20 flashes per second)
- Preprogramed random strobe & pulse effects

Control and programming

- Setting & Addressing: Robe Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN, Kling-Net
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Control channels: 24, 43, 118
- Protocol modes: 3
- Programs: 3 editable programs, each up to 100 steps
- Stand alone operation
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC



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Pan/Tilt resolution: 16 bit

Zoom: 8 bit

• R,G,B,W colour mixing (internal 18 bit): 8 or 16 bit

• Dimmer (internal 18 bit): 8 or 16 bit

• Ethernet port: Art-Net, sACN, Kling-Net

• Ethernet switch: 10/100 Mbps: 1 x ln/1 x Out

Data in/out: Locking 3-pin & 5-pin XLR

• Built-in analyser for easy fault finding

Thermal specification

Maximum ambient temperature: 40 °C (104 °F)

• Maximum surface temperature: 80 °C (176 °F)

Electrical specification

• Power supply: Electronic auto-ranging

Input voltage: 100-240 V AC, 50-60 Hz

Power consumption: max. 800 W

Power in: Neutrik PowerCon True1

Approvals

• CE Compliant

• cETLus (pending)

Mechanical specification

• Height: 700 mm (27.6")

Width: 559 mm (22.0")

Depth: 321 mm (12.6")

• Weight: 36.5 kg (80.5 lbs)

Movement

- Pan movement range 360° with continuous rotation control
- Tilt movement range 360° with continuous rotation control
- 16 bit movement resolution
- Automatic Pan/Tilt position correction



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Rigging

- Mounting points: 2 pairs of 1-turn locks
- Omega brackets: 2x Omega bracket with 1-turn quick locks