ROBE lighting s .r.o., Hazovice 2090
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Tetra™

TETRAgnatha is a Linear bar building on the Spiider and Tarrantula technology.

Generating an ultra-tight 4.5° beam from each of the 18 pixels, they combine to produce a bright, defined "sheet" of light, desired by Lighting Designers. Seamless curtains of light can be constructed using several fixtures. With the addition of two exclusive Robe patented MCFE™ – Multi-Coloured Flower Effects, the pixel-driven Tetra sets itself apart from others by projecting charismatic in-air animations. The compact, detailed design, allows end to end placement on stage or truss, maintaining equal spacing between pixels. The homogenised beams, together with the smooth 10:1 zoom, provide; a wash out to 45°, a footlight, a wall graze or dynamic in-air effects with fast paced sweeping movements. Utilizing the latest Robe proprietary technology, including; L3™ - (Low Light Linearity) for an imperceptible fade to black, 18 bit control for ultra-smooth colour mixing and Cpulse™ for flicker free film and television - including the very latest cameras. An embedded Ethernet switch and wide range of protocols (sACN, Art-Net or Kling-Net) allow a quick network installation and ease of control from media servers, DMX or the internal effects engine.

18x 40 W RGBW LED multichips

6.700 lm

4.5° - 45°

2x MCFE™ - Multi-Coloured Flower Effects – creating spectacular multicolour beam effects in the air rotating in both directions at variable speed (patent pending), pixel control, virtual colour wheel, tungsten lamp effect

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Technical Specification

SOURCE

- Light source type: 18x 40W RGBW LED multichips
- LED life expectancy: min. 20.000 hours
- Typical lumen maintenance: 70% @ 20.000 hours

OPTICAL SYSTEM

- Robe's proprietary optical design
- Zoom range: 4.5°- 45°
- High efficient component optics
- Fixture total lumen output: 6.700 lm

DYNAMIC EFFECTS

- Colour mixing mode RGBW or CMY
- Individual control of each RGBW pixel
- Variable CTO: 2.700K - 8.000K
- Tungsten lamp effect at whites: 2700K - 4200K
- DataSwatch™ filters: pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and direction
- 2x MCFE™ - Multi-Coloured Flower Effects – creating spectacular multicolour beam effects in the air rotating in both directions at variable speed (patent pending)
- Motorized zoom
- Pre-programmed random strobe & pulse effects
- Electronic strobe effect with variable speed up to 20 Hz
- High resolution electronic dimming: 0 - 100%
- L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black
- Cpulse™ special flicker free management for HD and UHD cameras, ready for 8K and 16K

CONTROL AND PROGRAMMING

- Setting & Addressing: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 88 steps), built-in analyser for easy fault finding
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN, Kling-Net
- Wireless CRMX™ technology from Lumen Radio: On request
- DMX Protocol modes: 6
- Control channels: 32, 52, 93, 111, 106, 124
- RGBW / CMY: 8 or 16 bit
- Zoom: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

MOVEMENT

- Tilt movement: 210°
- 16 bit movement resolution
- Controllable speed of Pan/Tilt movement

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THERMAL SPECIFICATION

- Maximum ambient temperature: 45°C (113°F)
- Maximum surface temperature: 75°C (167°F)
- Minimum operating temperature: -5°C (23°F)

ELECTRICAL SPECIFICATION AND CONNECTIONS

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: 600 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
- Ethernet port in/out: RJ45
- Embedded Ethernet switch 10/100 Mbps

MECHANICAL SPECIFICATION

- Height: 266 mm (10.5")
- Width: 1004 mm (39.5")
- Depth: 165 mm (6.5")
- Weight: 16.5 kg (36.4 lbs)

RIGGING

- Mounting points: 2 pairs of 1/4-turn locking points
- 2x Omega adaptors with 1/4-turn quick locks
- Universal operating position
- Safety cable attachment point

INCLUDED ITEMS

- User Manual
- Variable Omega Adaptor - 2 pcs
- Power cord including powerCON TRUE1 In connector

ACCESSORIES

- Safety wire 35 kg
- Line cords powerCON TRUE1 In/Out
- Single Top Loader Case: 10120256
- Dual Top Loader Case: 10120257

LEGAL

- Tetra™ is a Trademark of Robe lighting s. r. o.
- Tetra™ is patented by Robe lighting s. r. o. and protected by one or more pending or issued