

# TetraX™

Need something exceptional to stand out from the crowd? Something very different to create a powerful signature effect. Lack that missing X factor? Then go to the extreme with the visually sensational TetraX™!

**Light source**

9x 40W RGBW LED multichips

**Light output**

5.300 lm (integrating sphere)

**Zoom range**

4° - 45°

**Effects**

3x MCFE™ Multi-coloured Flower Effects (patented), pixel control, continuous pan rotation



Developed from the immensely successful Tetra1™, the TetraX™ adds dynamic pan movement with extremely high-speed continuous rotation, dramatically increasing sweeping effect possibilities of the fixture.

Generating an ultra-tight 4° beam from each of the 9 evenly spaced pixels, they combine to produce a bright, defined "sheet" of light, as desired by Lighting Designers. The homogenised beams and smooth 11:1 motorised zoom provide ultra-smooth washes out to 45°.

TetraX™ sets itself apart by including three exclusive eye-catching Robe patented MCFE™ - Multi-Coloured Flower Effect - emitting sharp, multi-coloured spikes of light, with variable speed and rotation direction control, to further increase the projection of charismatic in-air animations.

All-inclusive colour and dimming control are available via RGBW and CMY colour mixing modes; variable CCT of 2.700K - 8.000K; tungsten emulation simulating the red shift and thermal delay of tungsten lamps for whites from 2.700K - 4.200K; DataSwatch™ 237 pre-programmed colour library; L3™ Low Light Linearity dimming software for imperceptible fades to black.

An Epass™ Ethernet switch ensures sustained network connectivity. A wide range of protocols (sACN, Art-Net or Kling-Net) allows quick network installation and control from media servers, DMX, or the internal effects engine.

TetraX™ - eXceeding the eXceptional

# Technical Specification

## Source

- Light source type: 9x 40W RGBW LED multichips
- LED life expectancy: min. 50.000 hours
- Typical lumen maintenance: L70/B50 @ 50.000 hours

## Optical system

- Robe's proprietary optical design
- Zoom range: 4°- 45°
- Highly efficient component optics
- Fixture total lumen output:
  - 5.300 lm (integrating sphere)
  - 4.225 lm (goniophotometer)

## Dynamic Effects and Features

- Colour mixing mode RGBW or CMY
- Individual control of each RGBW pixel
- Variable CCT: 2.700K - 8.000K
- Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4.200K (red shift and thermal delay)
- 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
- 3x MCFE™ - Multi-Coloured Flower Effects - creating spectacular multicolour beam effects in the air rotating in both directions at variable speed (Patented)
- 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

## 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
- REAP™ - Robe Ethernet Access Portal

- Wireless CRMX™ technology from Lumen Radio - on request
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity
- DMX Protocol modes: 6
- Control channels: 41, 61, 75, 84, 88, 97
- 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: 191°
- 16 bit movement resolution
- Controllable speed of Pan/Tilt movement

## **Thermal specification**

- Maximum ambient temperature: 40°C (104°F)
- Maximum surface temperature: 70°C (158°F)
- Minimum operating temperature: -5°C (23°F)
- Total heat dissipation: max. 818 BTU/h (calculated)

## **Electrical specification and connections**

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: max. 320 W
- Power connector in/out: Neutrik powerCON TRUE1 in/out
- DMX and RDM data in/out: Locking 5-pin XLR
- Ethernet port in/out: RJ45 for Embedded Epass™ switch 10/100 Mbps

## **Mechanical specification**

- Height: 368 mm (14.48")
- Width: 512 mm (20.15")
- Depth: 205 mm (8.07") - head in horizontal position
- Weight: 15.7 kg (34.6 lbs)
- Ingress protection rating: IP20

## 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
- Omega Adaptor CL-regular 2 pcs: 99010420-02
- Power cord including powerCON TRUE1 In connector

## Optional accessories

- Diffusion filter: 2° 10980698
- Clear lens cover: 10980699
- Safety wire 36 kg: 99011963
- 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: 10120292
- Dual Top Loader Case: 10120293
- Quad Top Loader Case: 10120294
- Dual Foam Shell: 20020447

## Legal

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