

# Tetra2™

TETRAgna's are linear bars building on the Spider and Tarrantula technology with TETRA2™ the uncompromising leader of the Tetra family.

**Light source**

18x 40 W RGBW LED multichips

**Light output**

10.500 lm

**Zoom range**

4° - 45°

**Effects**

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



Generating an ultra-tight 4° 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 as the detailed design allows any combination of TETRA1™ and TETRA2™ to be placed end to end on stage or truss, whilst maintaining equal spacing between pixels. With the addition of two exclusive Robe patented MCFE™ – Multi-Coloured Flower Effects, the pixel-driven Tetra1 sets itself apart from others by projecting charismatic in- air animations.

The homogenised beams, together with the smooth 11:1 zoom, provide; a wash out to 45°, a footlight, a wall graze or dynamic in-air effects with fast paced sweeping movements. Utilizing our latest L3™ (Low Light Linearity) dimming system for an imperceptible fade to black, the 18-bit control provides ultra-smooth colour mixing across the full colour spectrum. 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.

# Technical Specification

## Source

- Light source type: 18x 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
  - 10.500 lm (integrating sphere)
  - 8.439 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
- 2x MCFE™ - Multi-Coloured Flower Effects - creating spectacular multicolour beam effects in the air rotating in both directions at variable speed (patented)
- Motorized zoom
- 2 independent zoom zones
- 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
- DMX Protocol modes: 6
- Control channels: 34, 56, 97, 115, 110, 128
- RGBW / CMY: 8 or 16 bit
- Zoom: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

## Movement

- Tilt movement: 191°
- 16 bit movement resolution
- Controllable speed of PTilt 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. 2047 BTU/h (calculated)

## 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: 279 mm (10.98") - head in vertical position
- Width: 1007 mm (39.6")
- Depth: 143 mm (5.62") - head in vertical position

- Weight: 18.1 kg (39.9 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
- Variable Omega Adaptor: 2 pcs 99016241-02
- Power cord including powerCON TRUE1 In connector

## Optional accessories

- Diffusion filter: 2° 10980593
- Clear lens cover: 10980606
- 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: 10120259
- Triple Top Loader Case: 10120264
- Foam Shell: 20020371
- Omega Adaptor CL-variable 2pcs in box: 10980550

## Legal

- Tetra2™ is a Trademark of Robe lighting s. r. o.
- Tetra2™ is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents