

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

Tetra1™

TETRA1 is a linear bar built on the highly successful Spiider and Tarrantula technology. Despite its shorter length, TETRA1 maintains the same features, quality and pixel spacing as TETRA2.



Light source

9x 40W RGBW LED multichips



Light output

5.300 lm (integrating sphere)



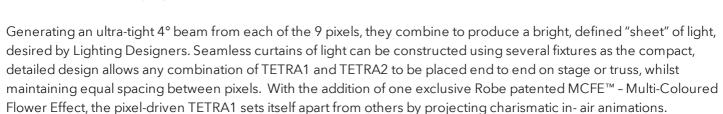
Zoom range

4° - 45°



Effects

 $1 \times MCFE^{TM}$ Multi-coloured Flower Effects (patented), Seamless Curtain of Light, Fast Paced Sweeping



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.





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

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°
- High 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
- 1x MCFETM 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



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

Wireless CRMX™ technology from Lumen Radio - on request

DMX Protocol modes: 6

Control channels: 25, 45, 59, 68, 72, 81

• 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 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. 1023 BTU/h (calculated)

Electrical specification and connections

Power supply: Electronic auto-ranging

Input voltage range: 100-240 V, 50/60 Hz

Power consumption: max. 300 W

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: 508 mm (20")

Depth: 192 mm (7.56") - head in horizontal position

• Weight: 11.3 kg (24.9 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

1/8/2024 Tetra1™ 3 / 4



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

Safety cable attachment point

Included items

User Manual

Variable Omega Adaptor: 99016241-02

Power cord including powerCON TRUE1 In connector

Optional accessories

• Diffusion filter: 2° 10980592

Clear lens cover: 10980605

• 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: 10120261

• Six Pack Top Loader Case: 10120263

• Dual Foam Shell: 20020372

• Omega Adaptor CL-variable 2pcs in box: 10980550

Legal

- Tetra1[™] is a Trademark of Robe lighting s. r. o.
- Tetra1[™] is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents