

# Cyclone™

This innovative effects moving head product has an integrated fan in the centre of the head surrounded by a ring of 24 x high powered RGBW multichip LEDs (patent pending).

**Light source**

24 x 15W RGBW LED multichips

**Light output**

5.540 lux @ 5 m

**Zoom range**

8° - 63°

**Effects**

pixel control, 5-bladed fan



There is a zoom of 8 to 63 degrees on the LEDs and a strong central airflow that can be combined with fog and haze to assist with creating the best quality atmospheric effects. The vari-speed fan can be independently DMX controlled... starting from a very low RPM and is a perfect complement to fog and hazers in any 'live' environment - from clubs to concerts - needing fine-tuned fog / haze flows, from a mere wisp of smoke to a full-on immersive low cloud coverage! Each LED is individually controlled and can be pixel mapped for the creation of eye-catching colour, rainbow, strobe etc. effects. The Robe Cyclone is also perfect for lighting and cooling performers from a neat 'footlights' position and can also produce dramatic 'hair-blowing' and 'smoke-through-the-fan' effects. The unit also benefits from all the features from Robe's massively popular LEDWash series.

# Technical Specification

## Source

- Light source: 24 x 15W RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours

## Optical system and effects

- High efficient component optics
- Linear motorized zoom 8° - 63°
- 5-bladed fan with controllable velocity starting from very low RPM
- Strong airflow through fixture head for best atmospheric effects
- Perfect complement to fog and hazers
- Hair-blowing and smoke-through-the-fan effects
- Suitable for stand-alone operation
- RGBW colour mixing
- Individual control of each RGBW pixel
- CTO filter
- Virtual colour wheel with pre-programmed 237 colours including whites (2700 K, 3200 K, 4200 K, 5600 K and 8000 K)
- Tungsten lamp effect at whites 2700 K and 3200 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 with variable speed (max.20 flashes per second)
- Pre-programmed random strobe & pulse effects

## Control and programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2
- Wireless CRMX™ technology from Lumen Radio included as standard accessory
- Control channels: 16, 24, 96
- 3 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Stand-alone operation
- QVGA Robe touch screen with battery backup gravitation sensor for auto screen positioning operation memory service log with RTC

- Pan/Tilt resolution: 8 or 16 bit
- Movement control: tracking and vector
- R,G,B,W colours: 8 or 16 bit
- Zoom: 8 or 16bit
- Dimmer: 8 or 16bit
- Ethernet port: Art-Net, MA Net, MA Net 2 protocols, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- Built-in analyser for easy fault finding

## Fan specification

- Fan diameter: 180 mm (7.1")
- Max. power: 93 W
- Airflow: 900 m<sup>3</sup>/h (530 CFM)
- Noise level: 68 dB @ full speed
- Max. speed: 4.550 RPM

## Movement

- Pan movement range 450°
- Tilt movement range 300°
- 16 bit movement resolution
- Automatic Pan/Tilt position correction
- Built-in Pan/Tilt macros

## Thermal specification

- Maximum ambient temperature: 45 °C (113 °F)
- Maximum housing temperature: 75 °C (167 °F)

## Electrical specification

- Electronic auto-ranging
- Input voltage: 100-240 V AC, 50-60 Hz
- Max. power consumption: 570 W

## Mechanical specification

- Height: 570 mm (22.4")
- Width: 439 mm (17.3")
- Depth: 268 mm (10.5")
- Weight: 19 kg (41.9 lbs)

## Rigging

- Mounting points: 2 pairs of ¼-turn locks
- 2x Omega bracket with ¼-turn quick locks