MISTRAL

HIGHLY COMPACT, LIGHTWEIGHT AND POWERFUL

OPTICS
- 13 elements 8:1 zoom high-resolution optic system
- Beam aperture: 6.7° to 53°
- Fast motorised linear zoom
- Tempered anti-reflective coated lenses
- 119 mm front lens for ultimate performance

LIGHT SOURCE
Mistral S
- 26,000 lumens 8000 K white light engine
- Total luminaire output: up to 18,000 lumens
- Colour temperature output: 7000 K
- CRI: greater than 70

Mistral TC
- 21,000 lumens 7000 K white light engine
- Total luminaire output: up to 14,000 lumens
- Colour temperature output: 6500 K
- CRI: greater than 90

Mistral S & Mistral TC
- Rated life (L70): up to 40,000 hours
- Flicker-free source management suitable for TV applications and all video-recorded events

MOVEMENT
- Extremely accurate positioning
- Moving-head operated via either 8- or 16-bit resolution
- High-resolution stepper motors operated via microprocessors ensure extreme accuracy and smooth movements
- Pan and tilt with automatic repositioning
- Moving head range: 540° (pan), 263° (tilt)

COLOURS
- Sophisticated colour mix system providing CMY colour mixing
- Variable CTO colour temperature correction
- Fixed colour wheel with seven saturated colour filters

GOBOS
- Indexable rotating gobo wheel with 7 high precision glass gobos plus open position
- Adjustable speed rotating gobo in both directions
- Fixed gobo wheel with 9 high precision glass gobos plus open position
- Gobo diameter: 25.5 mm
- Image diameter: 20.0 mm
- Gobo thickness: 1.1 mm

IRIS DIAPHRAGM
- Fast iris diaphragm with adjustable dynamic effects
- Iris range: 15% to 100% open

FROST
- 2 frost filters: one light & one heavy

EFFECTS
- Focusable graphic animation effect-wheel with continuous rotation in both directions
- 5-facet circular indexable rotating prism

DIMMER / STROBE
- Electronic dimmer, allowing perfect light adjustment from 0 to 100% without colour variation
- Strobe effect, with speed adjustment from 1 to 25 flashes per second

SOFTWARE FEATURES
- Local DMX addressing of luminaire and optional parameters through a built-in LCD control panel
- Remote DMX addressing of luminaire and optional parameters through a standard RDM DMX controller
- Information menu including hour counter, temperature, software version

HARDWARE FEATURES
- Graphic LCD display for addressing and special functions settings, with flip function
- Clicking jog wheel to set functions
- Excess-temperature protection
- Integrated wireless CRMX TiMo™ RDM receiver from LumenRadio™
- XLR 5-pin male and female connectors for DMX connection
- powerCON TRUE1 male and female connectors for power connection

CONTROL
- DMX 512 protocol, through DMX cable or a wireless system
- DMX-RDM compatible
- Stand-alone mode and Master/Slave modes
- Local control panel, with LCD display
- Choice of 3 DMX modes (from 26 to 39 DMX channels)

POWER SUPPLY
- Electronic supply with active PFC
- 100 to 240 Volts – 50/60 Hz
- Power: 550 W maximum

COOLING SYSTEM
- Advanced liquid cooling system
- Self-adjusting variable speed fans for quiet operation (Auto mode)
- Selectable ventilation user modes including a new Silent Mode
- Safety protection against temperatures excesses

HOUSING
- Moving-head skeleton made of aluminium and steel metal plates
- Base in die-cast aluminium
- Heatsinks in aluminium and copper
- Moulded covers in self-extinguishing fire retardant ABS PC (V0 class)
- Two-side handles for transportation
- Four heavy-duty feet for better stability
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION
- Fastening-bracket system: two Omega ¼ turn brackets designed for use with standard clamps
- Mounting points: four ¼ turn locking fittings allowing installation of Omega brackets on luminaire
- Safety-cable attachment point

OPERATING PARAMETERS
- Operating positions: all (device on floor or fixed to a support)
- Maximum permitted ambient temperature (Ta max): 45 °C (113 °F)
- Minimum permitted ambient temperature (Ta min): -10 °C (14 °F)
- Minimum usage distance: 1.5 m (4.92 ft)

COMPLIANCE
EU (EMC & LVD)
- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU

US (Safety & EMC)
- UL 1573
- FCC Part 15, Subpart B: 2018

SIZE
- Product: 365 x 591 x 212 mm (l x h x d)
- Flight-case foam: 450 x 620 x 280 mm (l x h x d)

WEIGHT
- Product: 18.9 kg

PRODUCT CODES
- 011240: MISTRAL S – CLASSICAL 3 SERIES
- 011250: MISTRAL TC– CLASSICAL 3 SERIES

Mistral Standard Equipment Included
- Integrated LumenRadio™ Receiver
- Moulded foam for Diablo
- 2 frost filters: one light & one heavy

AYRTON
Digital Lighting