

MAGICDOT-XT



AYRTON

Digital Lighting

MAGICDOT-XT CREATIVE SOLUTIONS

MAGICDOT™XT is a radical variant of the revolutionary MAGICDOT™R. It is fitted with the AYRTON's new and proprietary 126 mm diameter optic – which distinguishes the “XT” product line. Weighing in at 550 grammes, this new high-efficiency lens is the world's largest collimator!

Combined with an ultra-powerful, low-etendue, RGBW multichip LED emitter, MAGICDOT™XT pushes the limits of technology even further with a 2° full beam and centre-beam luminous intensity of 580 candelas per lumen – six times greater efficiency than MAGICDOT™R. With an active phase-change liquid cooling system that employs a heat pipe, this luminaire can be used continuously without significant loss of output.



The minimalist cylindrical design of the MAGICDOT™XT is a scaled-up version of MAGICDOT™R. The new luminaire sports all same features, including ultra-rapid movement and continuous, unlimited, rotation on pan and tilt. The compact footprint permits multiple MAGICDOT™XT luminaires to be installed with a minimum amount of space between them (patent pending). In addition to standard DMX-RDM connectors, MAGICDOT™XT can be controlled via wireless CRMX TiMo RDM from LumenRadio™.





OPTICS

- Beam aperture: 2°
- 85% optic efficiency
- High-efficiency 126 mm PMMA optics

LIGHT SOURCE

- 1 multi-chip High-Power LED sources
- Light output: up to 1,000 lumen
- Luminous intensity: 580,000 cd
- Rated sources life: up to 50,000 hours
- Flicker free sources management, suitable for TV applications and all video recorded events

MOVEMENT

- Continuous pan and tilt rotation
- 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 automatic repositioning

COLOURS

- Sophisticated 4 colours RGBW mixed, reaching high Colour Rendering Index
- Uniform light beam with no colour shadows, and rich saturated and pastel colour-hues
- 4.29 billion colours (8 bit resolution)
- Virtual colour wheel, including most usuals white colour temperature presets
- Dynamic colour macro effect with variable speed

DIMMER / STROBE

- Electronic dimmer, allowing perfect light adjustment from 0 to 100% without colour variation
- White or colour strobe effect, with speed adjustment from 1 to 25 flashes per second

SOFTWARE FACILITIES

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

HARDWARE FACILITIES

- Graphic LCD display for addressing and special functions settings, with flip function
- 6 menu buttons to set the functions
- Over temperature protection
- Integrated LumenRadio's wireless CRMX RDM receiver
- 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 wireless system
- DMX-RDM compatible
- Stand-alone mode and Master/Slave modes
- Local control panel, with LCD display
- Choice of 2 DMX modes (from 15 to 17 DMX)

POWER SUPPLY

- Electronic supply with active PFC
- 110 to 240 Volts - 50/60Hz
- Power 100 Watt max

COOLING SYSTEM

- Advanced cooling system based on heatpipe technology
- Self adjusting variable speed fans for quiet operation (Auto mode)
- Selectable auto, stage & studio ventilation modes
- Safety protection against temperatures excesses

HOUSING

- Moving-head skeleton made of aluminium and steel metal plates
- Heatsinks in aluminium and copper, satin finish
- Moulded covers in self-extinguishing fire retardant ABS PC (V0 class)
- Two sides handles for transportation
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Fastening brackets system: one Omega ¼ turn brackets designed for use with standard clamps
- Mounting points: two ¼ turn locking fittings allowing installation of Omega bracket 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: 2.0 m (6.56 ft)

COMPLIANCE

EU (EMC)

- EN 55015 (2006) - EN 55015 A2 (2009)
- EN 61547 (2009) - EN 61000-3-2 (2006)
- EN 61000-3-2 A2 (2009) - EN 61000-3-3 (2008)

EU (LVD)

- EN 60598-1 (2008) - EN 60598-2-17 (1989)
- EN 60598-2-17 A2 (1991)

SIZE

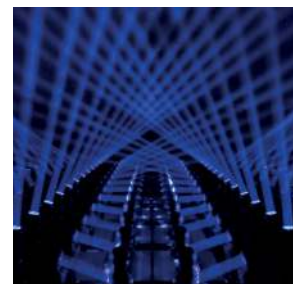
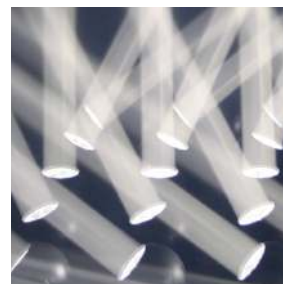
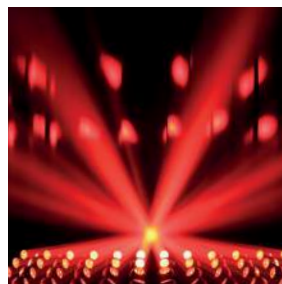
- Product: 235 x 360 x 235 mm (l x h x d)
- Flight-case foam: 290 x 355 x 290 mm (l x h x d)

WEIGHT

- Product: 6.2 KG

PRODUCT CODES

- 015170: MAGIDOT-XT CREATIVE SOLUTION





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