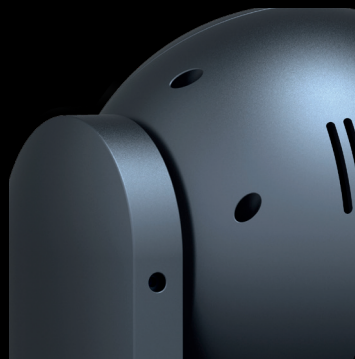# MAGICDOT-SX

MAGICDOT-SX CREATIVE SOLUTIONS

MAGICDOT™SX is an optically evolved, multipurpose, variant of MAGICDOT™R, with the same form factor, dimensions and features, including ultra-rapid beam movement and continuous, unlimited, rotation on pan and tilt. The compact footprint allows multiple MAGICDOT™SX luminaires to be installed with a minimum amount of space between them (patent pending).

This new luminaire replaces the 4.5° fixed-focus optics with a revolutionary new 8:1 optical zoom that has a fixed transmitting lens, no visible moving parts and a incredible zoom range of 5° to 40° (patent pending). The short stroke of the zoom system permits MAGICDOT™SX to switch from intense Beam mode to sweeping Wash mode virtually instantaneously.

MAGICDOT™SX delivers up to 75% optical efficiency in a tight beam, when the 94 mm-diameter collimator is positioned close to the transmitting lens. This ensures great compatibility and graphical interactivity with MAGICDOT™R units. In addition to DMX-RDM control, MAGICDOT™SX can be controlled via wireless CRMX TiMo RDM from LumenRadio™. MAGICDOT™SX is a versatile tool that meets a vast array of needs both in stage and architectural applications.

OPTICS
- Motorized linear zoom system, ratio 8:1
- Beam aperture: 5° to 40°
- High-efficiency optical system

LIGHT SOURCE
- 1 multi-chip High-Power LED source
- Light output: up to 1,700 lumen
- Luminous intensity: 136,000 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 16 to 19 DMX)

POWER SUPPLY
- Electronic supply with active PFC
- 110 to 240 Volts - 50/60Hz
- Power 130 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, 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: 1.0 m (3.28 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)
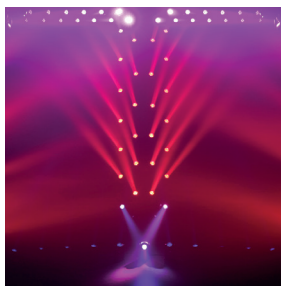- EN 60598-2-17 A2 (1991)

SIZE
- Product: 210 x 318 x 210 mm (l x h x d)
- Flight-case foam: 251 x 330 x 251 mm (l x h x d)

WEIGHT
- Product: 5.7 KG

PRODUCT CODES
- 015160: MAGICDOT-SX CREATIVE SOLUTION

AYRTON

Digital Lighting