MAGICDOT-SX

AYRTON
Digital Lighting

MAGICDOT-SX
015160

Creative solution

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
- 2-element 8:1 zoom
- Beam aperture: 5° to 40°
- 75% optic efficiency
- 94 mm PMMA collimator optic

LIGHT SOURCE
- 2,000 lumens RGBW LED source
- Luminaire output: up to 1,500 lumens
- Luminous intensity: 136,000 cd
- CRI: up to 86
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT
- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: infinite pan & tilt rotation

COLOURS
- Sophisticated 4 colours RGBW mixed
- 4.29 billion colours (8 bit resolution)
- Virtual colour wheel
- Dynamic colour macro effect

DIMMER / STROBE
- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES
- Graphic LCD display with flip function
- 6 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- powerCON TRUE1 connectors

CONTROL
- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- 2 DMX modes (16 to 19 DMX channels)

POWER SUPPLY
- 100 to 240 Volts – 50/60 Hz
- Power: 130 W maximum

COOLING SYSTEM
- Advanced cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING
- Skeleton in aluminium and steel plates
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION
- One Omega ¼ turn brackets
- Two ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS
- Operating positions: all
- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 1.0 m (3.28 ft)

COMPLIANCE
- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU

SIZE
- Product: 210 x 318 x 210 mm (l x h x d)
- Foam: 251 x 330 x 251 mm (l x h x d)

WEIGHT
- Product: 5.7 kg

PRODUCT CODE
- 015160: MAGICDOT-SX

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