



MAGICDOT NEO



OPTICS

- 2-elements 10:1 zoom
- Beam aperture: 3° to 33°
- Fast motorised linear zoom
- 100 mm front lens

LIGHT SOURCE

- 5,000 lm RGB-L LED source
- Total luminaire output: up to 3,500 lm
- Illuminance at 5m : 17,000 lux
- 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 automatic repositioning
- Range: infinite pan and tilt rotation

COLOURS

- Sophisticated 4 colours RGB-L 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

EFFECTS

- Liquid Effect with 60 individual pixels
- Built-in pattern effects with speed and fade controls

DIMMER / STROBE

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

HARDWARE FACILITIES

- Graphic LCD display with flip function
- 4 menu buttons to set functions
- Excess temperature protection
- Integrated wireless LumenRadio receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 IN / OUT connectors
- IP65 PowerCON TRUE1 Top IN / OUT connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet & sACN protocol
- Footprint of 33 DMX channels

POWER SUPPLY

- 100 to 240 Volts – 50/60Hz
- Power: 160 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess temperature protection

HOUSING

- Moving-head skeleton made in die-cast aluminium
- Base in die-cast aluminum
- Heatsinks in aluminium and copper
- Moulded covers ABS PC (V0 class)
- Tow handles for transportation
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

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

OPERATING PARAMETERS

- Maximum temperature (Ta max): 45° C (113° F)
- Minimum temperature (Ta min): -20° C (-4° F)
- Minimum usage distance: 2.0 m (6.56 ft)

COMPLIANCE

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

US (Safety & EMC)

- UL 1573
- FCC Part 15: 2020-f

SIZE

- Product: 197 x 353 x 197 mm (l x h x d)
- Flight-case foam: TBA

WEIGHT

- Product: 6.6 kg

PRODUCT CODES

- 015180: MAGICDOT NEO

LEGAL

- MAGICDOT NEO is AYRTON registered Trademark
- MAGICDOT NEO is patent pending

PRELIMINARY JUL. 2025

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