



MAGICDOT NEO

inspiring sphere

OPTICS

- 2-elements 10:1 zoom
- Beam aperture: 3° to 30°
- Fast motorised linear zoom
- 100 mm front lens

LIGHT SOURCE

- 5,000 lm RGB-L LED source
- Total luminaire output: up to 3,000 lm
- Illuminance at 5m : 16,000 lux
- CRI: up to 86
- Rated life (L70): up to 40,000 hours
- Flicker free sources management, suitable for TV applications and all video recorded events

MOVEMENT

- Highly 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
- Moving-head 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 CTC channel, from 2500 to 8000K
- Virtual Tint channel

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
- Integrated wireless CRMX TiMo RDM receiver from LumenRadio
- IP65 XLR 5 pin male and female connectors for DMX connection
- IP65 RJ45 IN / OUT connectors for ArtNet connection
- IP65 PowerCON TRUE1 TOP male and female connectors for power connection

CONTROL

- DMX 512 protocol, through IP65 DMX cable or wireless system
- DMX-RDM compatible
- Stand-alone mode and Main/Follow modes
- ArtNet & sACN protocol through IP65 Ethernet cable
- Local control panel, with IP65 LCD display
- Footprint of 35 DMX channels

POWER SUPPLY

- Electronic power supply with active PFC
- 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 aluminium
- Heatsinks in aluminium and copper
- Moulded covers ABS PC (V0 class)
- Two handles for transportation
- Four heavy-duty feet
- IP65 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 brackets on luminaire
- Safety cable attachment point

OPERATING PARAMETERS

- Operating positions: all (device on floor or fixed to a support)
- Maximum temperature (Ta max): 45 °C (113 °F)
- Minimum temperature (Ta min): -20 °C (-4 °F)
- Minimum usage distance: 0.5 m (1.64 ft.)

COMPLIANCE

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

US (Safety & EMC)

- CFR 47, FCC Part 15, Subpart B:2023

Substance regulations

- RoHS
- REACH
- CP65

SIZE

- Product: 197 x 353 x 197 mm (l x h x d)
- Flight-case foam (dual): 500 x 310 x 250 mm (l x h x d)

WEIGHT

- Product: 6.6 kg

PRODUCT CODE

- 015180: MAGICDOT NEO

LEGAL

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