

MAGICRING-R1



AYRTON
Digital Lighting

MAGICRING-R1 CREATIVE SOLUTIONS

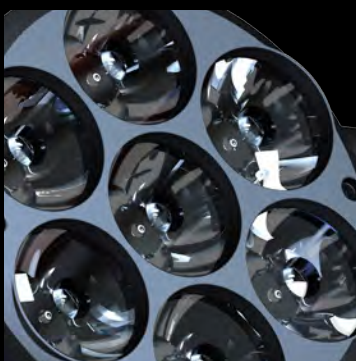
Long-awaited and unique in the industry, MAGICRING™R1 is the smallest luminaire with continuous rotation in the RADICAL™ range, and subsequently in the world. Highly compact, lightweight, super-fast and powerful, MAGICRING™R1 is fitted with seven 15 Watt RGBW LED sources, each individually controllable and paired with high-yield, 67 mm collimated optics of 4.5° beam aperture.

MAGICRING™R1 provides an overall flux of 2,500 lumen and an unmatched centre beam intensity of 262,500 candela from an overall power consumption of only 150 Watt.



The distinctive finish of the surface of the optics and the individual control of each LED source affords MAGICRING™R1 numerous graphic effects. An internal library of pre-programmed effects and colours is accessible through dedicated DMX channels for rapid use of the luminaire when programming time is limited.

Benefiting from AYRTON™'s famous continuous pan & tilt rotation system, MAGICRING™R1 offers truly unique lighting possibilities in a very compact housing.





OPTICS

- Beam aperture: 4,5°
- 85% optic efficiency
- High-efficiency 67 mm PMMA optics

LIGHT SOURCE

- 7 multi-chip 15 Watt LED sources
- Light output: up to 2,500 lumen
- Luminous intensity: 262,500 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
- Built-in pattern effects with speed and fade controls for scenic applications
- 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
- 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

- DMX 512 Input / Output through XLR5 connectors
- Choice of 3 DMX modes (from 18 to 44 DMX channels)

POWER SUPPLY

- Electronic supply with active PFC
- 110 to 240 Volts - 50/60Hz
- Power 150 Watt max

COOLING SYSTEM

- Advanced cooling system
- 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
- Four strong wide feet for better stability
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Fastening brackets system: two Omega ¼ turn brackets designed for use with standard clamps
- Mounting points: four 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 permitted ambient temperature (Ta max): 45°C (113°F)
- Minimum permitted ambient temperature (Ta min): -10°C (14°F)
- Minimum usage distance: 0.2 m (8 inches)

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: 288 x 379 x 220 mm (l x h x d)
- Flight-case foam: 350 x 410 x 280 mm (l x h x d)

WEIGHT

- Product: 8.6 KG

PRODUCT CODES

- 015910: MAGICRING-R1 AUTOMATED LUMINAIRE





AYRTON

Digital Lighting

www.ayrton.eu