

# MAGICPANEL-R



**AYRTON**  
Digital Lighting

# MAGICPANEL-R CREATIVE SOLUTIONS

MAGICPANEL™R represents a variant of the world famous MAGICPANEL™602, which has enjoyed huge international success since its launch. The integration of the features specific to the RADICAL™ range, in conjunction with continuous double rotation on two axes and a 5 x 5 matrix of individually-controlled LED sources around a central point, once again allow AYRTON™ to push the boundaries of imagination.

Fitted with twenty-five 15 Watt LED RGBW sources paired with 67 mm collimated optics, each MAGICPANEL™R offers an overall flux of 10,625 lumen and a centre beam luminous intensity of 1,115,500 candela from a maximum power consumption of 450 Watt. This translates into a visual perception that is twice as high as the 45 mm optics for 30% less power consumption.



Taking into account its 4.5° optics, the RADICAL™ MAGICPANEL™R generates clearly defined beams with a cleaner separation between them. This reinforces the visual rendering of the 3D volumetric effects and triples its range. Each LED source is controlled individually for each colour in the extended mode.

A fast 32-bit circuit board has been developed to allow highly flexible management of the numerous channels necessary for point-by-point control and on large scale installations with hundreds of luminaires. MAGICPANEL™R benefits from stringent selection of LED sources, which guarantees colour reproducibility and a considerable increase in flux compared to previous generations.







## OPTICS

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

## LIGHT SOURCE

- 25 multi-chip 15 Watt LED sources
- Light output: up to 10,625 lumen
- Luminous intensity: 1,115,500 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
- Integrated LumenRadio™'s wireless CRMX RDM receiver
- XLR 5 pin male and female connectors for DMX connection
- Ethercon RJ45 IN / OUT connectors for ArtNet & sACN 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
- ArtNet & sACN protocol through Ethernet cable
- Choice of 3 DMX modes (from 18 to 116 DMX channels)

## POWER SUPPLY

- Electronic supply with active PFC
- 110 to 240 Volts - 50/60Hz
- Power 430 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 projector
- 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

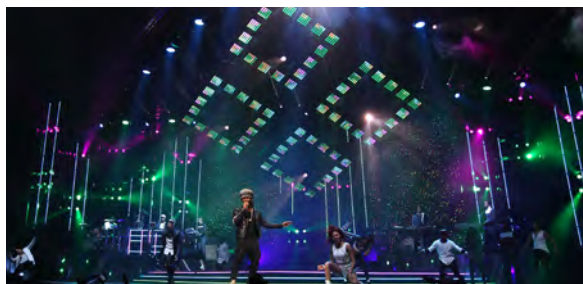
- Product: 433 x 578 x 307 mm (l x h x d)
- Flight-case foam: 510 x 605 x 370 mm (l x h x d)

## WEIGHT

- Product: 20.5KG

## PRODUCT CODES

- 015650: MAGICPANEL-R CREATIVE SOLUTION





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