

COSMOPIX-R



AYRTON
Digital Lighting



COSMOPIX-R

Creative solution

015750

The COSMOPIX-R is an entirely new luminaire based on the concept of the famous double-rotation spheres with PAR36 lamps, dating back to the early '80s. Using the latest technology and a variety of options for controlling the new multi-chip RGBW LED emitters, AYRTON has equipped this luminaire with new high-efficiency 94 mm optics and revamped this legendary product design, endowing it with a continuous combination of potential effects. As with the entire RADICAL product line, the COSMOPIX-R has a powerful beam of under 5° with a centre-beam luminous intensity of over 100 candelas per lumen. Fitted with 12 separately-controlled 60 W light emitters in a 12-face arrangement and continuous double rotation on the pan and tilt axes, the COSMOPIX-R will inspire lighting designers to create revolutionary new effects.

The powerful light emitters, arranged in a regular pattern over the entire surface of the COSMOPIX-R sphere, required the development of a specific new cooling system for each of the emitters that evacuates the air at the edges of the optics while preventing dust contamination (patent pending). To make this complex luminaire easier and quicker to implement, AYRTON has provided internal macros to provide the user with a number of pre-programmed configurable effects. The COSMOPIX-R has extended series connectivity and can be managed by DMX-RDM, ArtNet or wireless DMX-RDM link via a new-generation TiMo™ module by LumenRadio™.

OPTICS

- Beam aperture: 4.5°
- 85% optic efficiency
- 12 x 94 mm PMMA collimator optic

LIGHT SOURCE

- 12 x 2,000 lumens RGBW LED source
- Luminaire output: up to 20,400 lumens
- 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

EFFECTS

- 2D & 3D graphical effects capabilities
- Built-in pattern effects

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
- etherCON RJ45 connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (18 to 64 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 800 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

- Two Omega ¼ turn brackets
- Four 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: 2.0 m (6.56 ft)

COMPLIANCE

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

SIZE

- Product: 427 x 585 x 352 mm (l x h x d)
- Foam: 488 x 602 x 421 mm (l x h x d)

WEIGHT

- Product: 25.1 kg

PRODUCT CODE

- 015750: COSMOPIX-R



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