COSMOPIX-R

BACK TO THE 80's

AYRTON
Digital Lighting

COSMOPIX-R CREATIVE SOLUTIONS

The COSMOPIX-R is a 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°
- 82% optic efficiency
- 12 x 94 mm PMMA collimator optic

LIGHT SOURCE
- 12 x 2,000 lumens RGBW High-Power LED source
- Light output: up to 20,400 lumens
- Rated life (L70): up to 40,000 hours
- Flicker free sources management, suitable for TV applications and all video recorded events

MOVEMENT
- 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
- Moving-head range: infinite pan and tilt rotation

COLOURS
- Sophisticated 4 colours RGBW mixed, reaching high Colour Rendering Index
- 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

EFFECTS
- 2D & 3D graphical effects capabilities
- Effects can be coupled with beam, wash or matrix applications
- Built-in pattern effects with speed and fade controls for scenic applications

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 FEATURES
- Local DMX addressing of luminaire and optional parameters through its built-in LCD control panel
- Remote DMX addressing of luminaire and optional parameters through a standard RDM DMX controller
- Information menu including hour counter, temperature, software version

HARDWARE FEATURES
- Graphic LCD display for addressing and special functions settings, with flip function
- 6 menu buttons to set the functions
- Excess temperature protection
- Integrated wireless CRMX TiMo™ RDM receiver from LumenRadio™
- XLR 5 pin male and female connectors for DMX connection
- etherCON RJ45 IN / OUT connectors for ArtNet™ 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
- ArtNet™ & sACN protocol through Ethernet cable
- Local control panel, with LCD display
- Choice of 3 DMX Modes (from 18 to 64 DMX channels)

POWER SUPPLY
- Electronic supply with active PFC
- 100 to 240 Volts – 50/60 Hz
- Power 800 W maximum

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 heavy-duty feet for better stability
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION
- Fastening brackets system: two Omega 1/4 turn brackets designed for use with standard clamps
- Mounting points: four 1/4 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: 2.0 m (6.56 ft)

COMPLIANCE
EU (EMC)
- EMC Directive 2014/30/EU
EU (LVD)
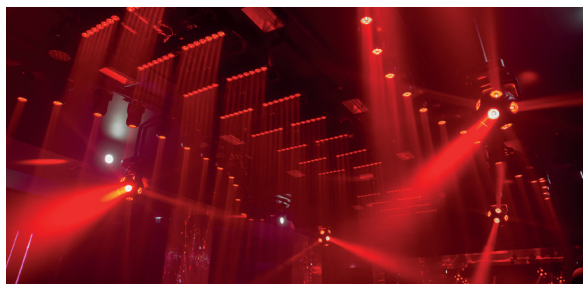- LVD Directive 2014/35/EU
US Safety
- UL 1573

SIZE
- Product: 427 x 585 x 352 mm (l x h x d)
- Flight-case foam: 488 x 602 x 421 mm (l x h x d)

WEIGHT
- Product: 25.1 KG

PRODUCT CODES
- 015750: COSMOPIX-R CREATIVE SOLUTION

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www.ayrton.eu

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