

MERAK



AYRTON
Digital Lighting



MERAK-CS

250 W Wash luminaire

010150

AYRTON's new MERAK-CS is a powerhouse of technology that features a proprietary 10:1 optical zoom system, combined with a 250 W low-etendue, RGBW multichip LED module. The 7° to 70° zoom employs light pipe technology paired with a new textured Fresnel lens design to ensure perfectly homogenous colour mixing regardless of the colour combination selected. With its single-source transmitting lens, MERAK-CS casts wonderfully crisp light and shadows. The fixture is also equipped with a de-focusable rotating beam shaping optic.

MERAK-CS puts new technology to great use with a next-generation power supply that incorporates active power factor correction (PFC) and a DC/DC converter in an ultra compact module for more than 95 percent efficiency. A new liquid cooling system is also employed, which permits the fixture to operate in all positions. These innovations allow the LED emitters to be run at full power continuously without any loss of performance. To celebrate AYRTON's 15th Anniversary, MERAK-CS presents a sleeker, updated, industrial design, with perfectly straightened yoke arms, and minimalist base, as well as a new menu navigation system using a single control wheel. MERAK-CS can be controlled via DMX-512 w/RDM, or a wireless link using CRMX TiMo RDM from LumenRadio™.

OPTICS

- 2-element 10:1 zoom
- Beam aperture: 7° to 70°
- 168 mm frontal lens

LIGHT SOURCE

- 8,000 lumens RGBW LED source
- Luminaire output: up to 4,500 lumens
- Luminous intensity: 200,000 cd
- 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: 540° (pan), 270° (tilt)

COLOURS

- Sophisticated 4 colours RGBW mixed
- 4.29 billion colours (8 bit resolution)
- Virtual colour wheel
- Dynamic colour macro effect

EFFECT

- Rotating beam shaping optic
- De-focusable and indexable

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- 3 DMX modes (18 to 28 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 400 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- 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: 0.5 m (1.64 ft)

COMPLIANCE

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

SIZE

- Product: 365 x 555 x 212 mm (l x h x d)
- Foam: 450 x 585 x 280 mm (l x h x d)

WEIGHT

- Product: 13.8 kg

PRODUCT CODE

- 010150: MERAK-CS



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