



MERAK

Ayrton's new Merak™CS is a powerhouse of technology that features a proprietary 10:1 optical zoom system, combined with a 250-Watt 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.

OPTICS

- 10:1 zoom optic system
- Beam aperture: 7° to 70°
- Fast motorised linear zoom
- 168 mm textured fresnel lens for greater performance

LIGHT SOURCE

- 1 multi-chip 250 Watt RGBW LED sources
- Total luminaire output: up to 4,500 lumens
- Luminous intensity: 200,000 cd (narrow angle)
- CRI: up to 86
- 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 to ensure extreme accuracy and smooth movements
- Pan and tilt with automatic repositioning
- Moving-head range: 540° (pan), 270° (tilt)

COLOURS

- Sophisticated 4 colours RGBW mixed
- 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

EFFECTS

- Indexable de-focusable rotating beam shaping optic

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 the luminaire and optional parameters through its built-in LCD panel control
- Remote DMX addressing of the 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
- Clicking jog wheel to set the functions
- Excess temperature protection
- Integrated LumenRadio™ wireless CRMX TiMo™ RDM receiver
- XLR 5 pin male and female connectors for DMX connection
- PowerCON TRUE1 male and female connectors for power connection

250W Wash luminaire

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™.



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
- Choice of 3 DMX modes (from 17 to 22 DMX channels)

POWER SUPPLY

- Electronic supply with active PFC
- 100 to 240 Volts – 50/60Hz
- Power 400 Watt max

COOLING SYSTEM

- Advanced liquid 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
- Base in die-cast aluminium
- Heatsinks in aluminium and copper
- Moulded covers in self-extinguishing fire retardant ABS PC (V0 class)
- Two sides handles for transportation
- Four strong 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: 0.5 m (1.64 ft)

COMPLIANCE

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

SIZE

- Product: 365 x 555 x 385 mm (l x h x d)
- Flight-case foam: 450 x 585 x 280 mm (l x h x d)

WEIGHT

- Product: 13.8 KG

PRODUCT CODES

- 010150: MERAK-CS WASH LUMINAIRE

LEGAL

- MERAK is AYRTON registered Trademark
- MERAK is a patented model