

COBRA²



AYRTON
Digital Lighting



Lux at 20m
386,000
Kelvin
6500
CRI
>65
Zoom
0.6° - 23°

COBRA²

Laser Source IP65 3 Series

014175

COBRA² is an evolution of the famous COBRA, which has sold several thousand units worldwide. COBRA² has been specifically developed for use in the United States. It is certified and compliant with US FDA CDRH laser product requirements, which complies with the strictest safety standards for laser sources. This new luminaire incorporates several sensors that analyse the position and the size of the beam in real time. An interface can be used to determine projection exclusion zones by integrating safety distances. COBRA² pushes back all the limits in terms of beam definition, with a native contrast never achieved by a digital light source. COBRA² offers an incredible beam angle of 0.6° and an extreme focusing range that allows the shape of the beam to be adjusted according to the distance of use. COBRA² features a new-generation speckle-free laser source, developed to deliver D65 white point for perfect colour reproduction. Featuring a 170 mm front lens, the proprietary 13-lens optical system offers an unprecedented 38x zoom range.

COBRA² features a highly innovative colour section including a CMY mixing system and an instant-access multi-position wheel equipped with 6 corrective filters, 21 complementary colour filters and a progressive CTO on two concentric circles. COBRA² boasts unrivalled graphics capability, with a vast choice of 92 fixed and rotating metal gobos on two wheels, specifically designed to sculpt light in beam mode, and incorporating an animation wheel. These gobos can be combined with two palettes of 4 individual, combinable rotating prisms to create a multitude of volumetric effects. Two light and heavy frost filters complete the COBRA²'s palette of graphics tools. Equally at home indoors or outdoors, COBRA² has been developed as a unique multi-purpose luminaire that incorporates all the waterproofing functions while retaining total accessibility and contained weight. It is capable of operating in the most extreme situations, has a protection system against the sun's rays and an integrated heating system against temperatures below -20 °C (-4 °F). COBRA² is as unique as ever.

OPTICS

- 13-element 38:1 zoom
- Beam aperture: 0.6° to 23°
- 170 mm front lens

LIGHT SOURCE

- Laser phosphore engine
- Luminaire output: up to 386,000 lux at 20m
- Colour temperature output: 6500 K
- CRI: greater than 65
- Rated life (L70): up to 12,000 hours
- Speckle-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 CMY colour mixing
- Variable CTO
- 21 complementary colours
- 6 colours temperature correction

GOBOS

- 12 indexable rotating gobos
- Adjustable-speed rotating gobo
- 80 fixed metal gobos
- Rotating gobo image diameter: 4 mm

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 2 combinable sections of 4 rotating and indexable prisms

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

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

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 connectors
- IP65 powerCON TRUE1 TOP connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (35 to 45 DMX channels)

POWER SUPPLY

- 100 to 240 Volts - 50/60 Hz
- Power: 480 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 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 (VO class)
- Two-side handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -20 °C (-4 °F)
- Minimum usage distance: 25 m (82 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018, Certified and compliant with US FDA CDRH laser product requirements
- Substance regulations: RoHS, REACH, CP65

SIZE

- Product: 360 x 676 x 316 mm (l x h x d)
- Foam: 490 x 645 x 565 mm (l x h x d)

WEIGHT

- Product: 30.7 kg

PRODUCT CODE

- 014175: COBRA²



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www.ayrton.eu