

# COBRA



**AYRTON**

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

## COBRA

## Laser Source IP65 3 Series

014170

COBRA is the first factory standard AYRTON phosphor laser source luminaire based on the concept of DREAMSPOT 18K, presented at Prolight+Sound 2016. Several years of development have gone into designing and finalising this exceptional luminaire, which offers a next generation speckle-free laser source, designed for rendering a D65 white point that allows perfect colour reproduction. COBRA pushes all the limits when it comes to beam definition, with native contrast never before achieved by a digital light source, an incredible beam angle of 0.6°, and an extreme range of focus which permits the beam shape to be adjusted according to the operating distance XT-Focus™. Fitted with a 170 mm frontal lens, the proprietary optical system uses 13 lenses, producing an unprecedented 38x zoom ratio and a zoom range of 0.6° to 23°. COBRA adopts a particularly minimalist style, extremely well-balanced due to the luminaire's simplified waterproofing EasyProtect-65™, and the continuous rotation of the pan and tilt movement, multiplying the possibilities for creating complex effects I.R.S.™ and making this luminaire a universal tool capable of meeting any challenge in all conditions.

COBRA is provided with a highly innovative colour section including a CMY mixing system and a multi-position instant access wheel equipped with six corrective filters, 21 complementary colour filters, and a variable CTO on two concentric circles 2D-ColorWheel™. COBRA has an unrivalled graphics capability, offering a wide choice of 92 fixed and rotating metal gobos distributed on two wheels specifically created to sculpt light in "beam" mode and incorporates an animation section on the gobo wheel 2D-GoboWheel™. These gobos can be blended with two sections of four individually combinable rotating prisms allowing you to produce a multitude of volumetric lighting effects. A light and heavy frost filter complete COBRA's graphic tool palette. Well-suited for use indoors as well as outdoors, COBRA was developed as a unique versatile luminaire that incorporates all waterproof features, while remaining easily accessible and limited in weight. Able to operate in the most extreme situations, it has a sunlight protection system SunProtect-65™ and an integrated heating system that safeguards against temperatures below -10° C (14° F) ColdProtect-65™. But above all, COBRA is the only luminaire on the market capable of illuminating an object several kilometres away... COBRA is simply unique.

## OPTICS

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

## GOBOS

- 12 indexable rotating gobos
- Adjustable-speed rotating gobo
- 80 fixed metal gobos
- Rotating gobo diameter: 6.9 mm
- Rotating gobo Image diameter: 4.0 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 connector

## 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 (V0 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 (14 °F)
- Minimum usage distance: 25.0 m (82 ft)

## COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

## SIZE

- Product: 415 x 660 x 280 mm (l x h x d)
- Foam: 485 x 565 x 560 mm (l x h x d)

## WEIGHT

- Product: 33 kg

## PRODUCT CODE

- 014170: COBRA



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[www.ayrton.eu](http://www.ayrton.eu)