# COBRA<sup>2</sup>

as unique as ever



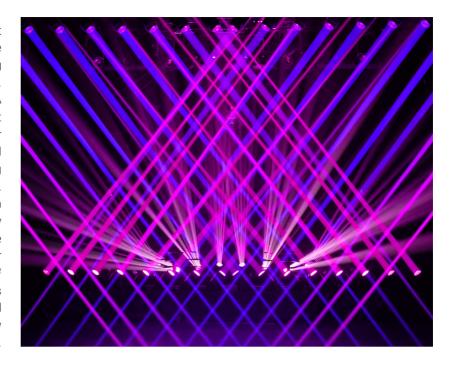




# COBRA<sup>2</sup> as unique as ever

The biggest international concert tours have included AYRTON as an essential partner... And we are proud of it. This encourages us to constantly raise our quality and safety standards to meet the regulatory requirements of every country.

ur luminaires use state-of-the-art technology. They must demonstrate high reliability and outstanding performance in just about any situation. COBRA2 is certified and compliant with US FDA CDRH laser product requirements. The product complies with the highest safety standards for laser sources. This luminaire incorporates several sensors that analyse the position of its moving head and the size of the beam in real time. An interface is used to determine the projection exclusion zones and take into account safety distances. The luminaires in the COBRA series are simply unique. Depending on your needs... on your concert tour and location, COBRA and COBRA2 can cover all applications. The only differences between the two versions being the additional circuitry necessary for use in the USA and a new visual ID. Both luminaires can be used side by side.



Light Source

260 W - 6500 K

Lux at 20 m

386,000

Zoom aperture

0.6° to 23°

Frontal Lens

170 mm

Weight

30.7 kg





# Our ultimate goal is to provide you with a unique visual experience

COBRA² 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. COBRA² delivers a record luminous intensity of 1,544,000 lux at 10 meters. 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°.

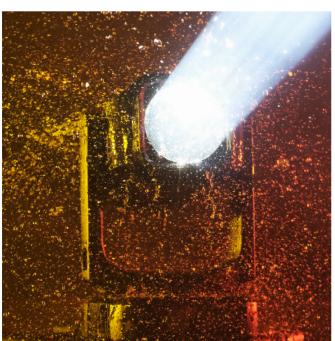




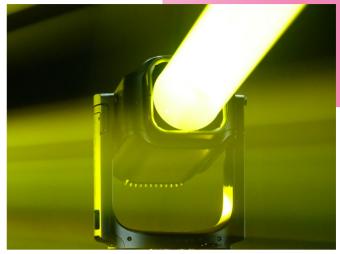
# COBRA<sup>2</sup> is an infinite source of inspiration

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. COBRA2 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. COBRA2 has 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.





# 21 fixed colours







# COBRA<sup>2</sup> can cover all applications

The 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 a graphic tool palette. The continuous rotation of the pan and tilt movement multiplies the possibilities for creating complex effects that will impress. COBRA² incorporates a cooling system adapted to the phosphor laser source.

**IP65** Water-resistant



# In the endless pursuit of new graphic territory

Equally at home indoors or outdoors, the COBRA<sup>2</sup> is an IP65-rated floodlight designed specifically to withstand extreme conditions, including salty environments. It has a sunlight protection system and an integrated heating system that safeguards against temperatures below -10° C. With its new avant-garde design, COBRA<sup>2</sup> is an ergonomic machine that's easy to manage thanks to 4 highly integrated handles. By optimizing the thickness of aluminum parts, a significant weight reduction of 10% has been achieved. Complying with FDA certification requirements, COBRA<sup>2</sup> knows no frontiers.











### Colours



### Gobos



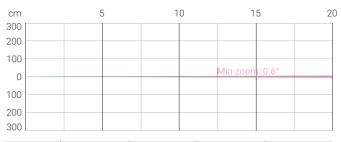


### Combinable prisms

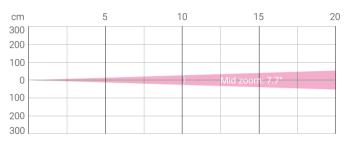


Frost filters Dimmer Effects wheel Light 6 0 to 100 % Monochromatic Heavy

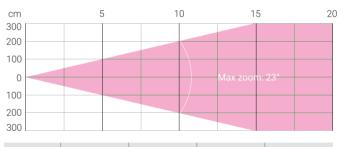
## **Photometry**



Distance (m)	n) 5		1	10		5	20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	6,176,000	0.05	1,544,000	0.1	686,222	0.16	386,000	0.21



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	61,496	0.67	15,374	1.35	6,833	2.02	3,843	2.69



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	3,843	2.03	1,691	4.07	752	6.1	752	8.14

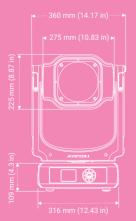
Total Flux	8,620 lm Zoom at 128% (Photogoniometer)				
CCT LED Source	9000 (±500 K)				
CCT Luminaire	6500 (±500 K)				
Ra Luminaire	65 (Ra: 65±2)				
TLCI	36				
TM-30	Rf: 62 Rg: 86				

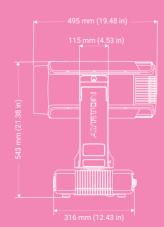
Fan Mode	Noise Level (dBA)	Flux (lm)		
Auto Mode	44.6	8,620		
Stage Mode	51.3	8,680		
Silence Mode	38.9	6,920		
Super Silence	33.8	4,690		

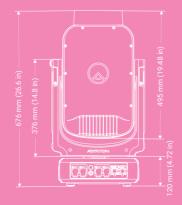
Note: noise meassured at 1m distance, static status, ambient 31dBA

## **Technical specifications**

- 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,













www.ayrton.eu