

RAWBEAM 350

The Racing machine



AYRTON

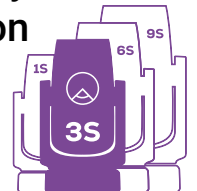
Digital Lighting



Rawbeam 350

The Racing machine

In an ultra-competitive environment, a champion stands out through audacity, experience, and an ability to surpass himself by making the right decisions at the right moment. Our new creation has the stature of those heroes who thrill us so profoundly.



After more than 15 years of success with discharge-lamp luminaires for applications demanding high-intensity beams, and with well over a hundred thousand units in service, the planned obsolescence of that type of source has forced our industry to radically rethink its philosophy.

In 2017, Ayrton created the first digital luminaire capable of replacing those outmoded light sources. But it was in 2022, with Cobra and its immediate worldwide success, that we established this new technology for the long term, followed by the consecutive launches of Kyalami and Mamba.



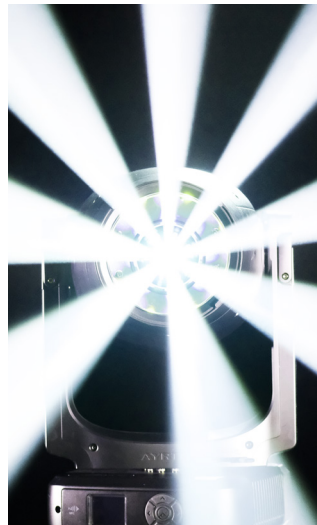
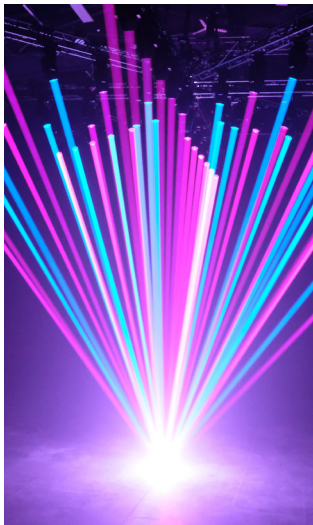
Light Source
350 W - 6800 K

Lux at 10 m
1,340,000

Zoom aperture
1.1° to 45°

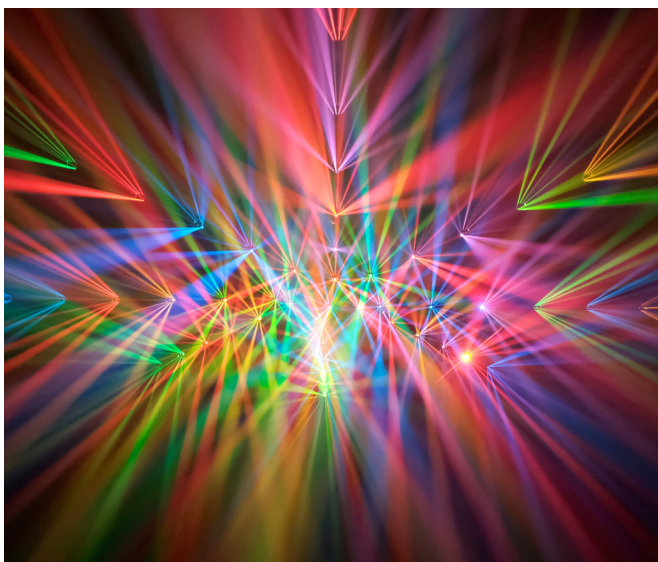
Frontal Lens
160 mm

Weight
25.4 kg



Rawbeam 350 is a pure racing machine

Today, building on those achievements and with more than 20,000 laser-source luminaires sold, we are entering a new era with this technology and the creation of Rawbeam 350: a brand-new digital luminaire with less extreme characteristics, designed for more versatile applications. Thanks to its unique design and aluminium structure, Rawbeam 350 establishes itself as the lightest and best-equipped fixture in its category. Like all Ayrton luminaires since 2023, Rawbeam 350 was developed as an ultra-compact, versatile luminaire capable of operating in all outdoor and indoor conditions, including saline environments, while maintaining full accessibility and an astonishing weight of just 25.4 kg. Rawbeam 350 delivers exceptional illuminance of 1,340,000 lux at 10 metres.



Zoom range: 1.1° to 45°

Lighter. Stronger. Further

It is equipped with a 160 mm front lens, while the proprietary 13-lens optical system offers a 40x zoom range and an operating span from 1.1° to 45°.

Built around essential functions, Rawbeam 350 offers extensive equipment and features a CMY colour-mixing system and an ultra-fast gradient CTO on discs, enabling perfect colour reproduction.



1,340,000
Lux at
10 meters



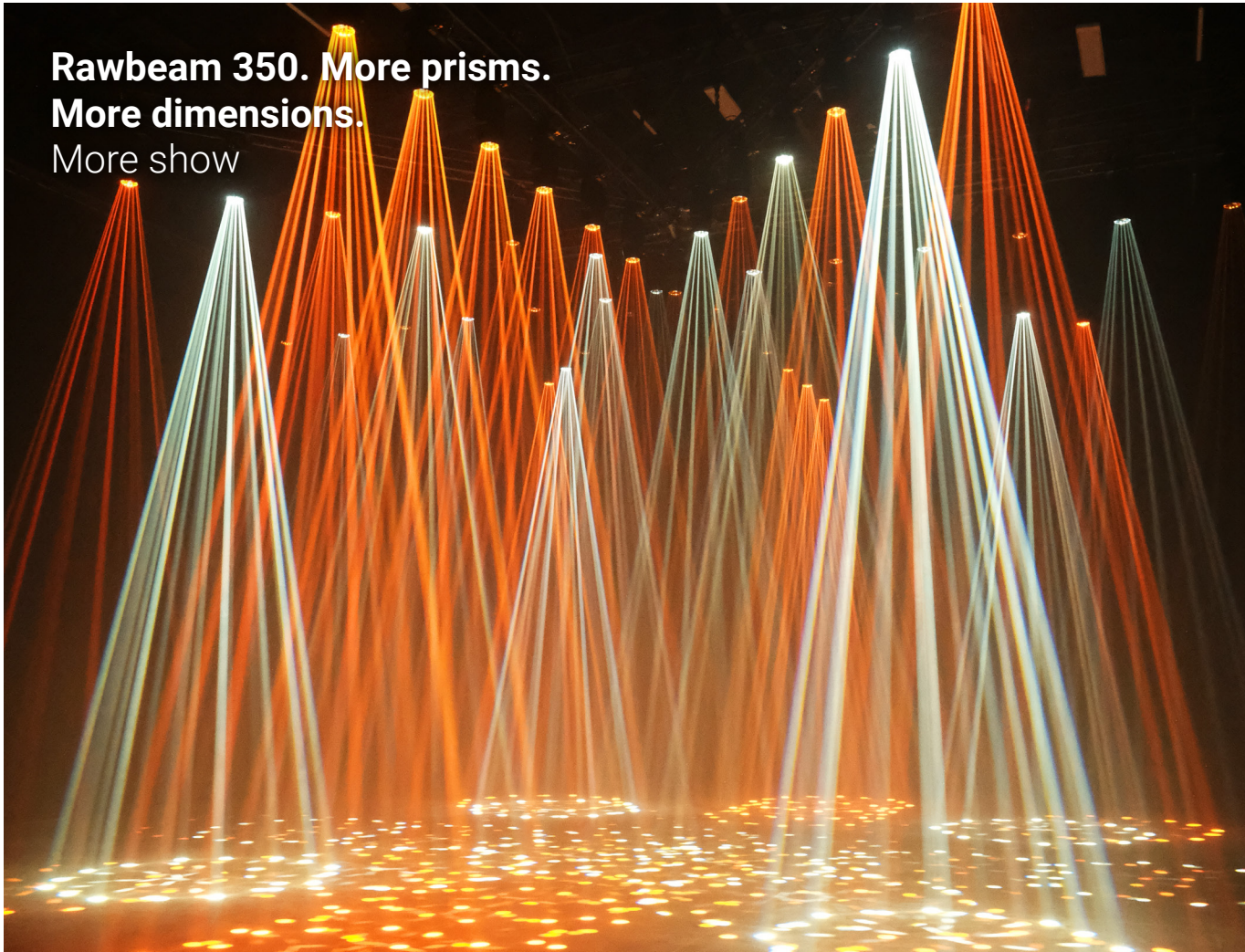
The IP65 beam that changes the game

A wheel of 15 complementary colours, a multi-colour RGB-CMY animation section, and a CTB correction filter complete the set of tools dedicated to colour.

Rawbeam 350 is equipped with multiple graphic tools, including 10 rotating gobos and 25 fixed gobos, 4 beam reducers, and an animation wheel that allow you to sculpt the light.

IP65
Water-resistant





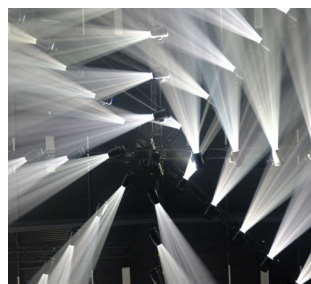
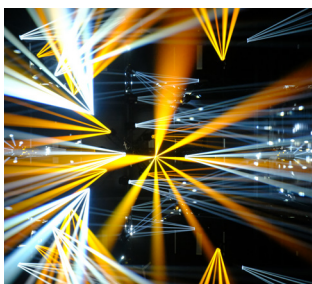
**Rawbeam 350. More prisms.
More dimensions.
More show**

Pure adrenaline

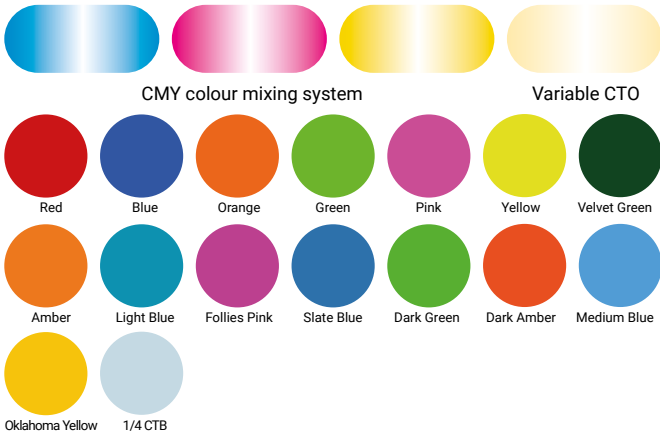
The gobos can be combined with two sets of three combinable rotating image-multiplying prisms, creating a multitude of complex volumetric effects for truly breathtaking looks. Two Frost filters complete the palette of graphic tools. Incomparable, unrivalled, and without equal, Rawbeam 350 is probably the most exciting luminaire of the moment: a precision mechanism built for competition, shaped by talented engineers, delivering a genuine connection to absolute pleasure.



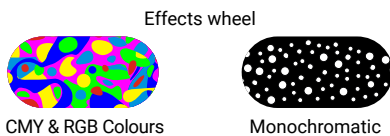
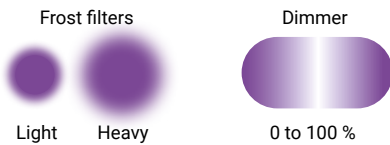
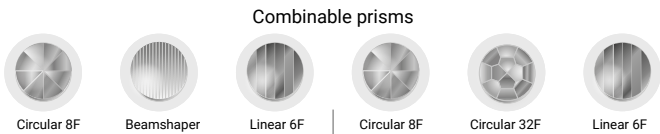
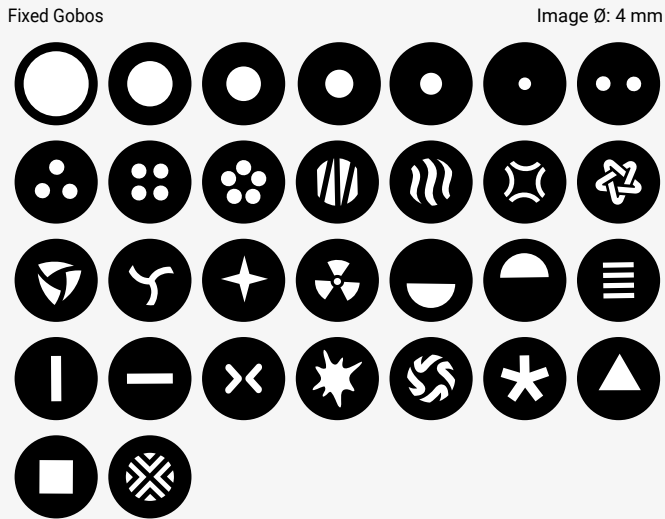
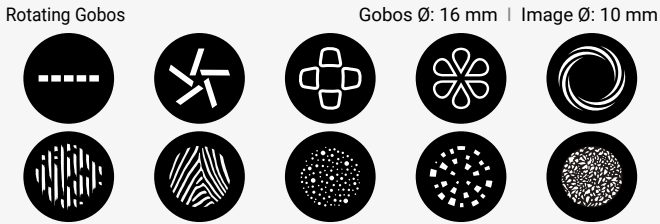
Infinite
**pan and tilt
rotation**



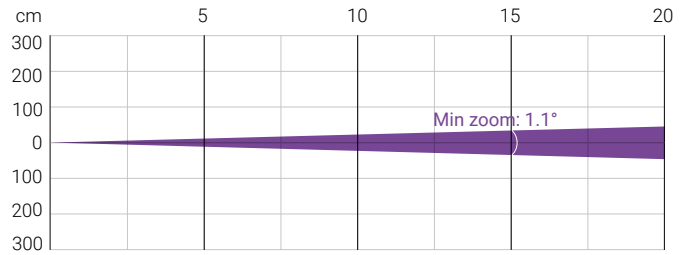
Colours



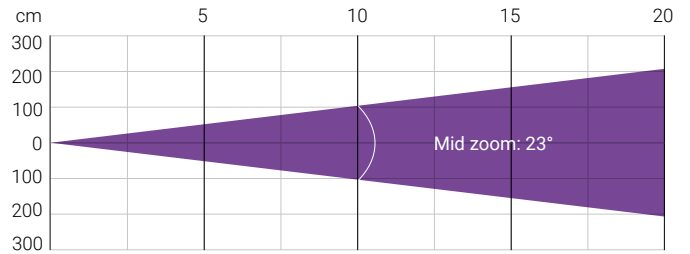
Gobos



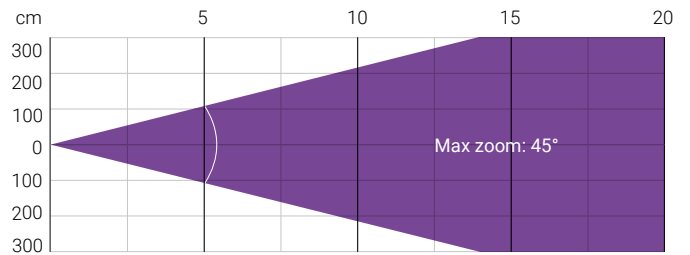
Photometry



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	5,360,000	0.1	1,340,000	0.19	595,536	0.29	335,000	0.38



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	107,600	2.03	26,900	4.07	11,956	6.1	6,725	8.14



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	25,964	4.14	6,491	8.28	2,885	12.43	1,623	16.57

Total Flux	16,600 lm (midd zoom, STAGE mode)	
CCT Laser engine	7300 K (±600K)	
CCT Open	6800 K (±600K)	
Ra Luminaire	68 (±2)	
TLCI	37	
TM-30	Rf: 64 / Rg:85	

Fan Mode	Noise Level (dBA)	Flux (lm)
Auto Mode	44.5	16,500
Stage Mode	48.9	16,600
Silence Mode	39.2	12,200
Super Silence	34.2	10,350

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

OPTICS

- 13-element 20:1 zoom high-resolution optic system
- Beam aperture: 1.1° to 18° and 2.2° to 45°
- Tempered anti-reflective coated lenses
- 160 mm frontal lens

LIGHT SOURCE

- Lux at 10 m, over 1,280,000 lx (narrow angle)
- Colour temperature output: 6800 K
- Rated life (L70): up to 12,000 hours
- Speckle-free source

MOVEMENT

- Extremely accurate positioning
- Moving-head operated via either 8- or 16-bit resolution
- Pan and tilt automatic repositioning
- Moving-head range: infinite (pan & tilt)

COLOURS

- Sophisticated colour mix system providing CMY colour mixing
- Variable CTO colour temperature correction 3000 to 6800 K
- Fixed colour wheel with 15 complementary colours, 1 multicolour animation section and 1 gobo correction filter (1/4 CTB)

GOBOS

- One indexable rotating gobo wheels with 10 Quartz glass gobos (or metal), plus open position
- Adjustable-speed rotating gobo in both directions
- Fixed multi-position metal gobo wheel with instant access to 25 metal gobos, 4 beam reducers and open position
- Gobo diameter (rotating): 16 mm
- Image diameter (rotating): 10 mm
- Gobo thickness (rotating): 1.1 mm

FROST

- Light frost (1°) to soften the edge of the beam
- Heavy frost (5°) for Wash effects

EFFECTS

- Focusable graphic animation effect-wheel with continuous rotation in both directions (on fixed gobo wheel)
- 2 set of 3 combinable rotating and indexable prisms

DIMMER / STROBE

- Electronic dimmer, allowing perfect light adjustment from 0 to 100% without colour variation
- Strobe effect, with speed adjustment from 1 to 25 flashes per second

SOFTWARE FEATURES

- 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, temperature, software version

HARDWARE FEATURES

- Graphic LCD display for addressing and special functions settings, with flip function
- 5 menu buttons to set functions
- Excess temperature protection
- Integrated wireless CRMX TiMo RDM receiver from LumenRadio
- IP65 XLR 5 pin male and female connectors for DMX connection
- IP65 RJ45 IN / OUT connectors for ArtNet and sACN connection
- IP65 Power connectors male and female for power connection

CONTROL

- DMX 512 protocol, through IP65 DMX cable or a wireless system
- DMX-RDM compatible
- Stand-alone mode and Main/Follow modes
- ArtNet & sACN protocol through Ethernet cable
- Local control panel, with IP65 LCD display
- Choice of 1 DMX mode (43 DMX channels)

POWER SUPPLY

- Electronic power supply with active PFC
- 100 to 240 Volts – 50/60Hz
- Power: 660 W maximum
- Power: 550 W typical at 230 V

COOLING SYSTEM

- Advanced high-performance cooling system
- IP68 Self-adjusting variable speed fans for quiet operation (Auto mode)
- Selectable ventilation user modes including Super Silent Mode
- Safety protection against excess temperature

HOUSING

- Moving-head skeleton made of aluminium metal plates
- Head in die-cast aluminium
- Base in die-cast aluminium
- Heatsinks in aluminium and copper
- Arms covers in self-extinguishing fire retardant ABS PC (V0 class)
- Four-side handles for transportation
- Four heavy-duty feet for better stability
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Fastening bracket 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): -20° C (-4°F)
- Minimum usage distance: 25 m (82ft)

COMPLIANCE

EU (EMC & LVD):

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

US (SAFETY & EMC)

- UL 1573
- FCC Part 15, Subpart B:2023

SUBSTANCE RÉGULATIONS

- RoHS
- REACH
- CP65

SIZE

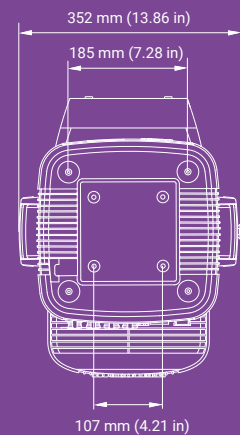
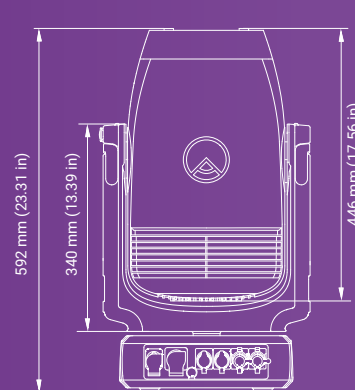
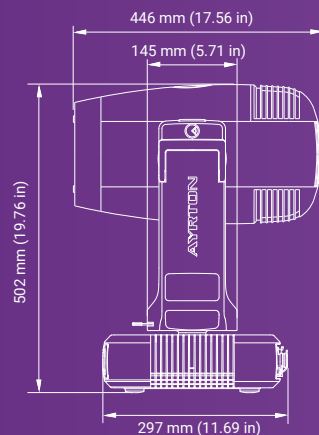
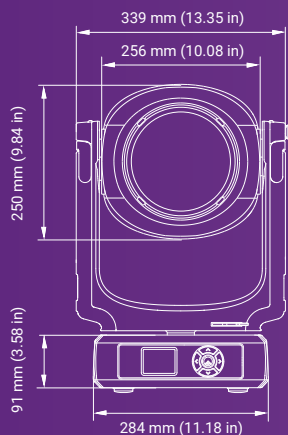
- Product: 339 x 592 x 297 mm (l x h x d)
- Flight-case: 395 x 630 x 335 mm (l x h x d)

WEIGHT

- Product: 25.4 kg

PRODUCT CODES

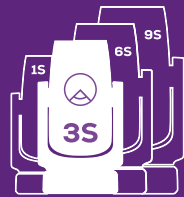
- 014350: RAWBEAM 350 - LASER SOURCE IP65 3 SERIES





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www.ayrton.eu

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