

# RAWBEAM 350



**AYRTON**  
Digital Lighting



# RAWBEAM 350

Laser Source 3 Series

**Illuminance at 10 m**

> 1,340,000 lx

**Native CRI**

> 68

**Front Lens**

160 mm

**Beam Aperture**

1.1° to 45°

**IP Rating**

IP65

**Weight**

25.4 kg



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. 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. 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. 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. 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.

## OPTICS

- 13-element 40:1 zoom high-resolution optic system
- Beam aperture: 11° to 18° and 2.2° to 45°
- Tempered anti-reflective coated lenses
- 160 mm frontal lens

## LIGHT SOURCE

- Lux at 10 m: over 1,340,000 lx (narrow angle)
- Colour temperature output: 6800 K
- Rated life (L70): up to 12,000 hours
- Speckle-free source

## MOVEMENT

- Extremely accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt automatic repositioning
- Range: infinite pan & tilt

## COLOURS

- Sophisticated 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
- 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

- 2 frost filters: one light, one heavy

## 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 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 functions
- Integrated LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 connectors
- IP65 REAN Power X connectors

## CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- Choice of 1 DMX mode (43 DMX channels)

## POWER SUPPLY

- 100 to 240 Volts - 50/60Hz
- Power: 660 W maximum
- Power: 550 W typical at 230 V

## COOLING SYSTEM

- Advanced cooling system
- Self adjusting variable speed fans
- Selectable ventilation modes
- Excess-temperature protection

## HOUSING

- Moving-head skeleton in aluminium metal plates
- Head & base in die-cast aluminium
- Heatsinks in aluminium and copper
- Arms moulded covers in ABS PC (VO class)
- Four-sides 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:2023
- Substance regs: RoHS, REACH, CP65

## SIZE

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

## WEIGHT

- Product: 25.4 kg

## PRODUCT CODE

- 014350: RAWBEAM 350



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