VELOCE PROFILE

The ultimate precision

AYRTON

Digital Lighting

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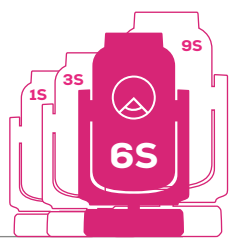
The ultimate precision

After the worldwide success of the RIVALE PROFILE and more than 10,000 units in service in less than a year, AYRTON is proud to present its brand new VELOCE PROFILE, the second ultra-equipped luminaire in the «ULTIMATE» family, specially designed for large spaces.



The ULTIMATE range has broken the codes with its avant-garde design. A family of perfectly homothetic luminaires that reinforces the sense of unity between the different models. VELOCE PROFILE is a versatile luminaire capable of operating in all conditions, indoors and outdoors, including salty environments. The use of new, lighter aluminium parts has resulted in a significant reduction in weight, with the aim of achieving the best weight to power ratio on the market without the use of expensive or unstable special alloys. VELOCE PROFILE is the lightest luminaire in its category, weighing just 40 kg.

Combine high-performance and precision for exceptional results

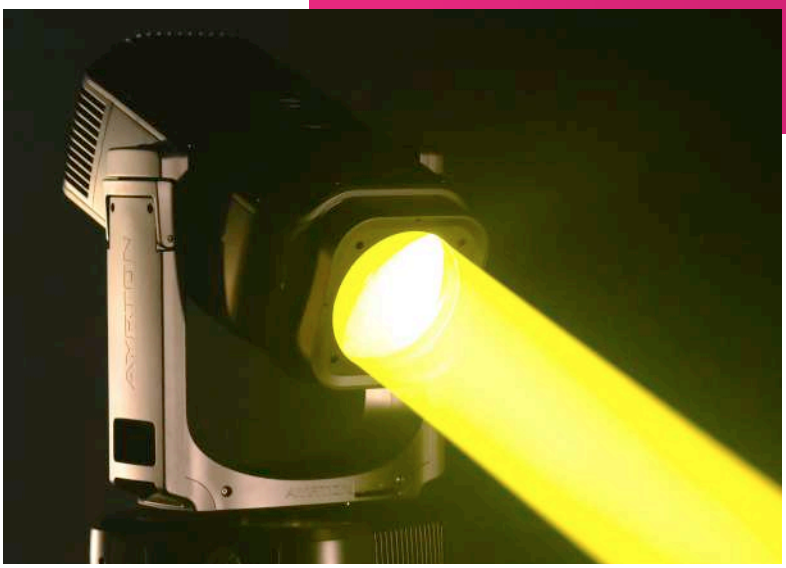
For greater freedom of movement and design flexibility, VELOCE PROFILE comes as standard with infinite continuous rotation on both pan & tilt axes. VELOCE PROFILE pushes back the limits of integration with a brand new sealed monoblock 850 W high efficiency LED module, calibrated at 6500 K, which offers a luminous flux of 43,000 lumens with optimum positioning on the black body to achieve perfect light neutrality.

180 mm
Frontal lens

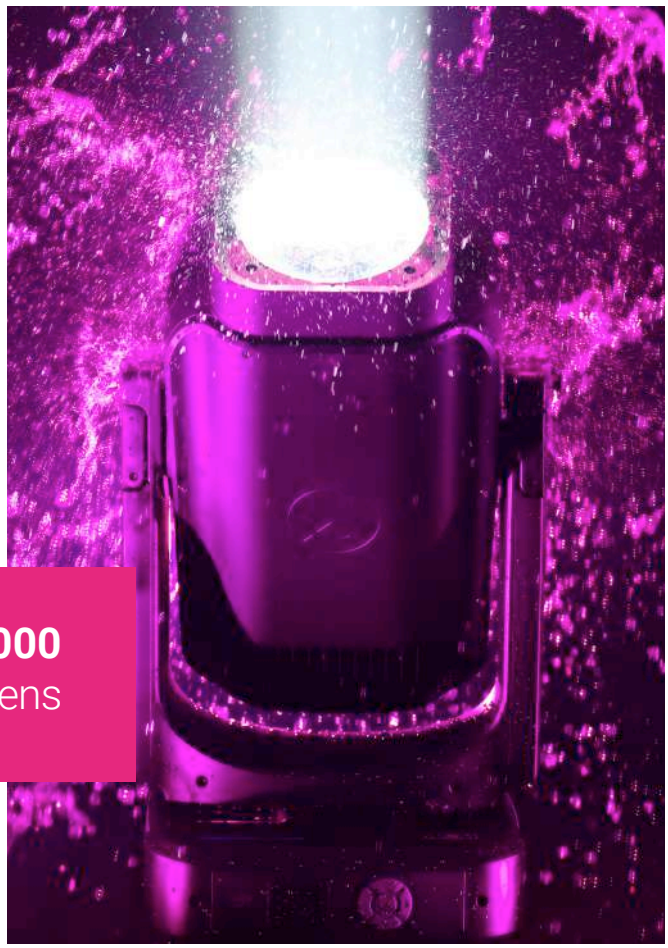
Excellence in every detail

Zoom ratio **of 4 to 52°**

The proprietary 13-lens optical system offers a zoom ratio of 13:1 and a range of use from 4° to 52°. VELOCE PROFILE features a 180 mm front lens, giving an ultra-intensive 4° beam. VELOCE PROFILE, like all the luminaires in the «ULTIMATE» range, adopts a revolutionary new CMY colour mixing system with ultra-fast high-definition discs.
This single-layer system provides a clear improvement in colour intensity during reproduction. An ultra-fast, high-definition single-disc progressive CTO enables precise colour temperature adjustment from 2700 K to 6500 K, and a 7-position colour wheel with special filters completes the palette of tools dedicated to colour creation.



6 Series - Source	Zoom aperture	Frontal lens cluster	Weight
850 W - 6500 K	**4° to 52°**	**180 mm**	**40 kg**

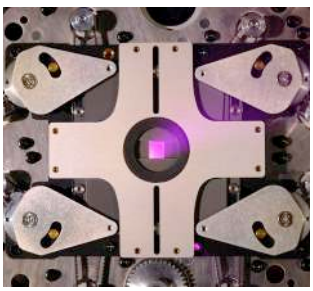


43,000
lumens

Infinite pan and tilt rotation

VELOCE PROFILE provides the ultimate sensations

For specific applications requiring perfect colour reproduction, VELOCE PROFILE offers a subtle adjustment of the colour rendering index from 70 to 86.
A new, ultra-precise framing module makes it possible to isolate any object thanks to the surgical positioning of each shutter blade over 100% of the surface with +/- 90° rotation. VELOCE PROFILE provides the ultimate sensations.
An accomplished luminaire synonymous with high performance, unbridled creativity, refinement and power. A luminaire you won't want to do without.



Colours

CMY colour mixing system

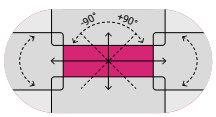
Variable CTO / CRI improvment filter

1/4 CTB | Magenta | Congo Blue | Green | Orange | Blue | Red

Gobos

Gobos Ø 30 mm | Image Ø 19 mm

Framing system



100% surface area

Iris diaphragm

15% to 100% open

Frost filters

Light | Heavy

Effects wheel

Monochromatic

Prisms

Circular | Linear

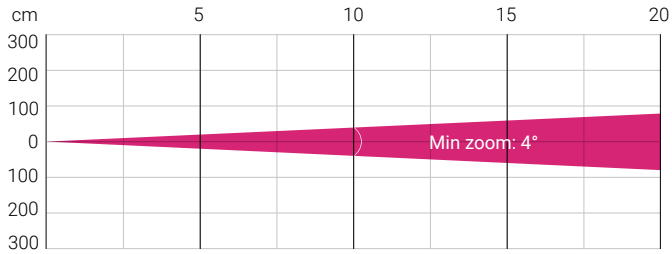
Dimmer

0 to 100 %

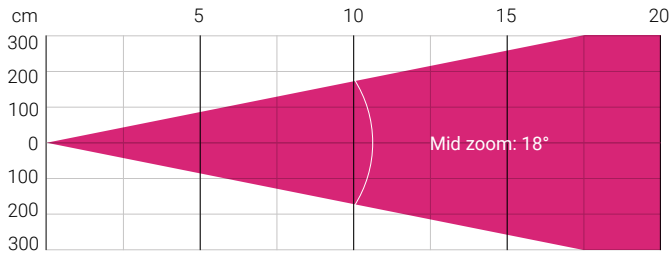
Strobe

1 to 25 fl/sec.

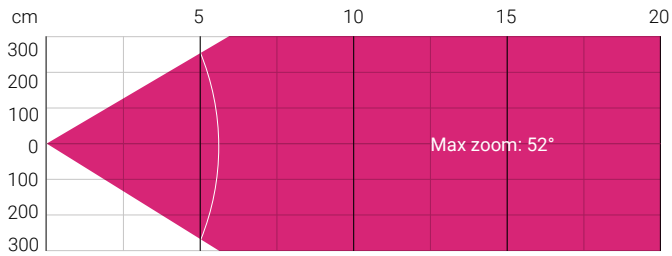
Photometry



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	152890	0.35	38222	0.7	16988	1.05	9556	1.4



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	23786	1.58	5947	3.17	2643	4.75	1487	6.34



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	2764	4.88	691	9.75	307	14.63	173	19.51

Total Flux	43,000 lm (midd zoom, STAGE mode)
CCT LED Source	8100 K (±400K)
CCT Luminaire	6500 K (±400K)
Ra Luminaire	70 (±2)
TLCI	48
TM-30	Rf: 71 / Rg: 94

Fan Mode	Noise Level (dBA)	Flux (lm)
Auto Mode	40.8	42,500
Stage Mode	43.3	43,000
Silence Mode	35	31,000
Super Silence	31.6	17,000

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

Technical specifications

OPTICS
- 13-element 13:1 zoom high-resolution optic system
- Beam aperture: 4° to 52°
- Fast motorised linear zoom
- Tempered anti-reflective coated lenses
- 180 mm frontal lens

LIGHT SOURCE
- 58,000 lumens white light engine
- Total luminaire output: up to 43,000 lumens (integrating sphere measurement, Stage Fan mode)
- Colour temperature output: 6500 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source management suitable for TV applications and all video-recorded events

MOVEMENT
- Extremely accurate positioning
- Moving-head operated via either 8- or 16-bit resolution
- High-resolution stepper motors operated via microprocessors to ensure extreme accuracy and smooth movement
- Pan and tilt automatic repositioning
- Moving-head range: infinite pan and tilt rotation

COLOURS
- Sophisticated colour mixing system providing CMY color mixing
- Variable CTO colour temperature correction
- Variable CRI improvement filter
- Fixed colour wheel with seven complementary colours

GOBOS
- 2 indexable rotating gobo wheel with seven high precision glass gobos, plus open position
- Adjustable-speed rotating gobo in both directions
- Gobo diameter: 30 mm
- Image diameter: 19 mm
- Gobo thickness: 1.1 mm

FRAMING SYSTEM
- 4 individually positionable shutter blades on a 100% surface area in all positions
- Rotation of the shutter blades module: +/- 90°

IRIS DIAPHRAGM
- Fast iris diaphragm with adjustable dynamic effects
- Iris range: 15% to 100% open

FROST
- 2 frost filters : one light, one heavy

EFFECTS
- Focusable graphic animation effect-wheel with continuous rotation in both directions
- 2 combinable rotating and indexable prisms: one 5-facet circular, one 4-facet linear

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 connection
- IP65 PowerCON TRUE1 male connectors for power connection

CONTROL
- DMX 512 protocol, through DMX cable or a wireless system
- DMX-RDM compatible
- Stand-alone mode and Master/Slave modes
- ArtNet & sACN protocol through Ethernet cable
- Local control panel, with IP65 LCD display
- 67 DMX channels footprint

POWER SUPPLY
- Electronic supply with active PFC
- 100 to 240 Volts – 50/60Hz
- Power: 1300 W maximum

COOLING SYSTEM
- Advanced liquid 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 and steel metal plates
- Base in die-cast composite alloy
- Heatsinks in aluminium and copper
- Moulded 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: eight 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: 4.0 m (13.123 ft.)

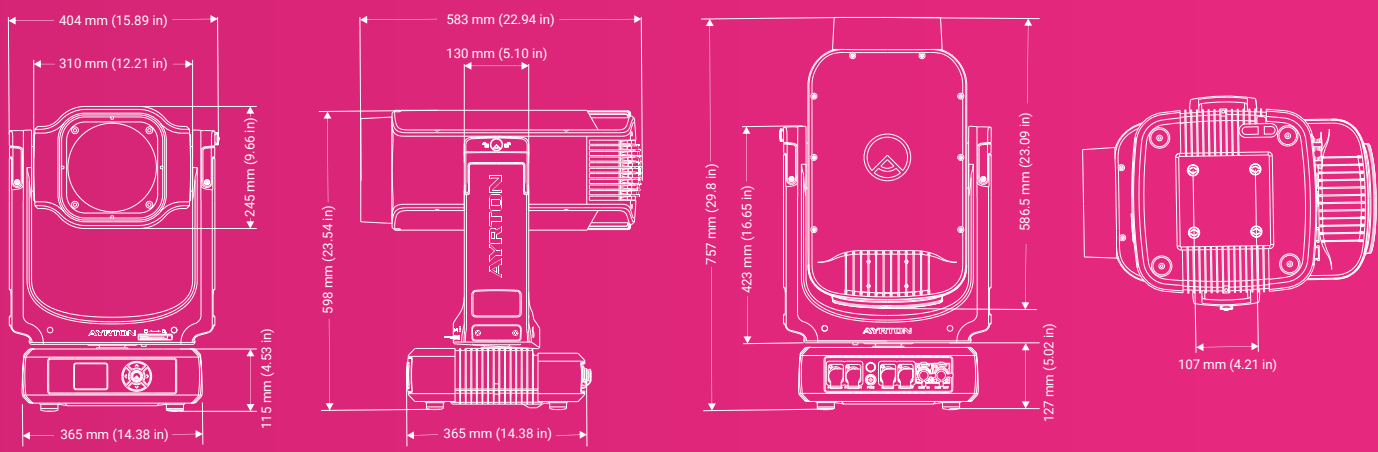
COMPLIANCE
EU (EMC & LVD):
- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU

US (SAFETY & EMC)
- UL 1573
- FCC Part 15, Subpart B:2018

SIZE
- Product: 404 x 757 x 366 mm (l x h x d)
- Flight-case foam: 500 x 640 x 680 mm (l x h x d)

WEIGHT
- Product: 40 kg

PRODUCT CODES
- 012521: VELOCE PROFILE - ULTIMATE IP65 6 SERIES



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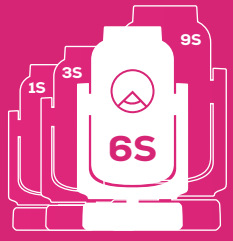

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