

RIVALE WASH

Create to sublime



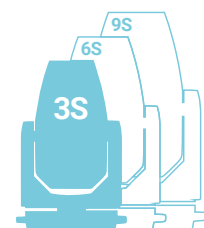
AYRTON

Digital Lighting



RIVALE WASH Create to sublime

RIVALE WASH is the first ultra-equipped wash luminaire in AYRTON's brand new «ULTIMATE» range, developed for mixed indoor and outdoor use, including in salty environments.



Weight determines performance, RIVALE WASH weighs just 29.7 kg, offering outstanding performance for a product in this category. RIVALE WASH is without equal on the market, with a unique visual signature.

An all-new Fresnel lens, with an optical structure, has been specially developed for use with framing shutters, while also facilitating the use of geometric gobos or ovalization lenses. Its incredible ability to create extremely subtle atmospheres makes it an outstanding Wash projector. Playing with light and shadow... highlighting a detail... mastering chiaroscuro... searching for the perfect nuance... chiselling space... this new-generation luminaire delivers incomparable satisfaction.



RIVALE WASH has been designed to sublimate all your shows

A subtle progressive frost system allows the level of diffusion to be adapted to suit the application and the accessories or optical elements used. This new Fresnel lens also significantly improves colour mixing and delivers 10% more light compared with a conventional Fresnel lens. RIVALE WASH is equipped with a brand new 430 W high efficiency sealed monoblock LED module calibrated at 6500 K, offering a luminous flux of 28,000 lumens with optimum positioning on the black body to achieve perfect light neutrality. The proprietary 12-lens optical system offers a zoom ratio of 14:1 and a range from 4° to 57°. Featuring a 170mm front lens, RIVALE WASH provides an ultra-intensive 4° beam.



Infinite pan and tilt rotation



A new game begins with an exceptional Wash luminaire that's like no other

RIVALE WASH adopts a brand new high-definition progressive CMY colour mixing system that delivers perfect color reproduction as soon as the filter is inserted, regardless of the colour combination selected.

An extended progressive CTO enables precise adjustment of colour temperature from 2700 K to 6500 K, and a 7-position colour wheel with special filters completes the palette of tools dedicated to colour creation.



3 Series - Source
430 W - 6500 K

Zoom aperture
4° to 57°

Frontal lens
170 mm

Weight
29.7 kg

IP65
Water-resistant

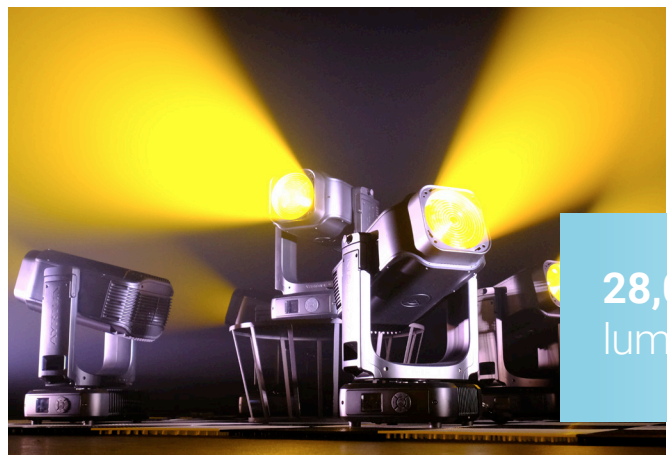


Precision, mastery of nuance and a quest for perfection are the hallmarks of this essential playing partner



Master the stage and create sublime atmospheres

For greater flexibility of use, RIVALE WASH offers subtle adjustment of the colour rendering index from 70 to 88. For greater creativity and design freedom, RIVALE WASH comes as standard with infinite continuous rotation on both the pan & tilt axes. RIVALE WASH, a unique spotlight that combines performance, creativity, subtlety and power. An extraordinary luminaire with no equivalent on the market.



28,000 lumens



Colours



CMY colour mixing system



Variable CTO

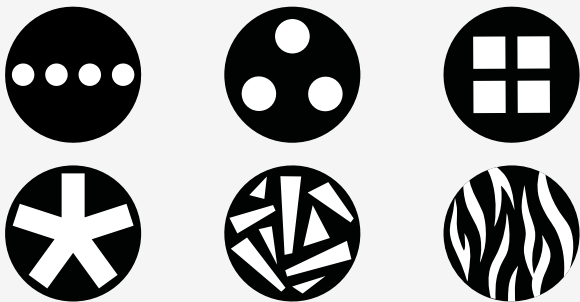
Variable CRI 70 to 88



1/4 CTB Magenta Congo Blue Green Orange Blue Red

Rotating gobos

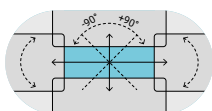
Gobos Ø 25.2 mm | Image Ø 20 mm



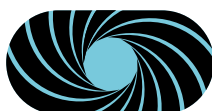
Framing system

Iris diaphragm

Progressive frost



100% surface area

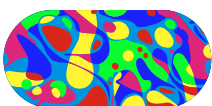


15% to 100% open



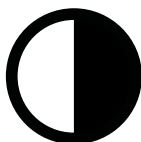
0% to 100%

Graphical animation effects wheel



CMY & RGB Colours

Half scrim filter



Beam shaper



Dimmer



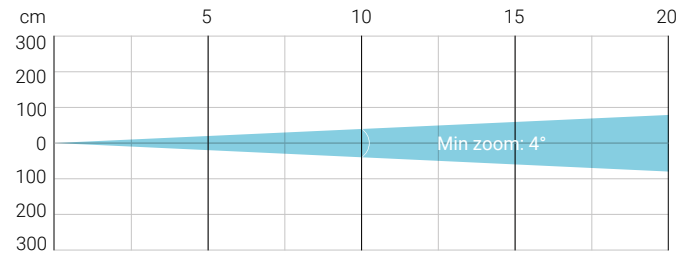
0 to 100 %

Strobe

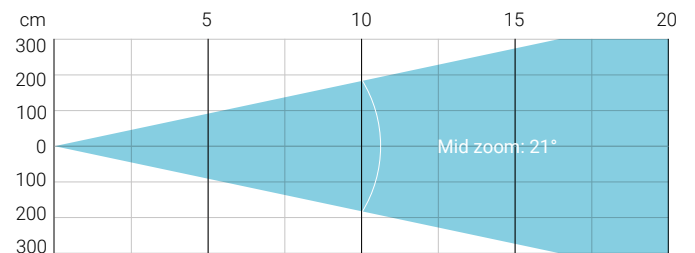


1 to 25 fl/sec.

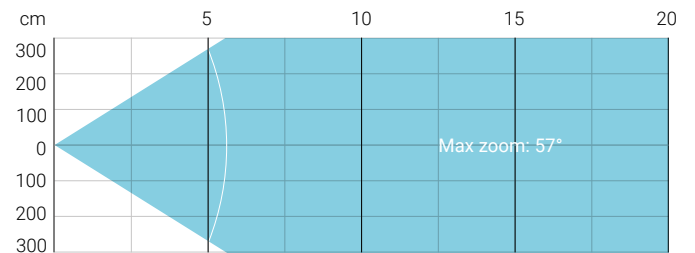
Photometry



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	59003	0.35	14751	0.7	6556	1.05	3688	1.4



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	11052	1.85	2763	3.71	1228	5.56	691	7.41



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	1559	5.43	390	10.86	173	16.29	97	21.72

Total Flux	28,000 lm (midd zoom, STAGE mode)
CCT LED Source	7400 K (±400K)
CCT Luminaire	6500 K (±400K)
Ra Luminaire	70 (±2)
TLCI	49
TM-30	Rf: 72 / Rg:94.6

Fan Mode	Noise Level (dBA)	Flux (lm)
Auto Mode	41	24,900
Stage Mode	43	27,560
Silence Mode	33	16,100
Super Silence	32	10,800

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

OPTICS

- 12-element 14:1 zoom high-resolution optic system
- Beam aperture: 4° to 57°
- Fast motorised linear zoom
- Tempered anti-reflective coated lenses
- 170 mm frontal lens

LIGHT SOURCE

- 35,000 lumens white light engine
- Total luminaire output: up to 28,000 lumens (integrating sphere measurement, Fan mode STAGE)
- 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

- Indexable rotating gobo wheel with seven high precision glass gobos, plus open position
- Adjustable-speed rotating gobo in both directions
- Gobo diameter: 25.2 mm
- Image diameter: 20.0 mm
- Gobo thickness: 1.1 mm

BARNDOOR SYSTEM

- 4 individually positionable barndoors 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

- 0% to 100% variable linear frost

EFFECTS

- Focusable CMY & RGB graphic animation effect-wheel with continuous rotation in both directions
- Indexable de-focusable rotating beam-shaping optic

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 and female 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
- Footprint of 60 DMX channels

POWER SUPPLY

- Electronic supply with active PFC
- 100 to 240 Volts – 50/60Hz
- Power: 700 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: 2.0 m (6.56 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

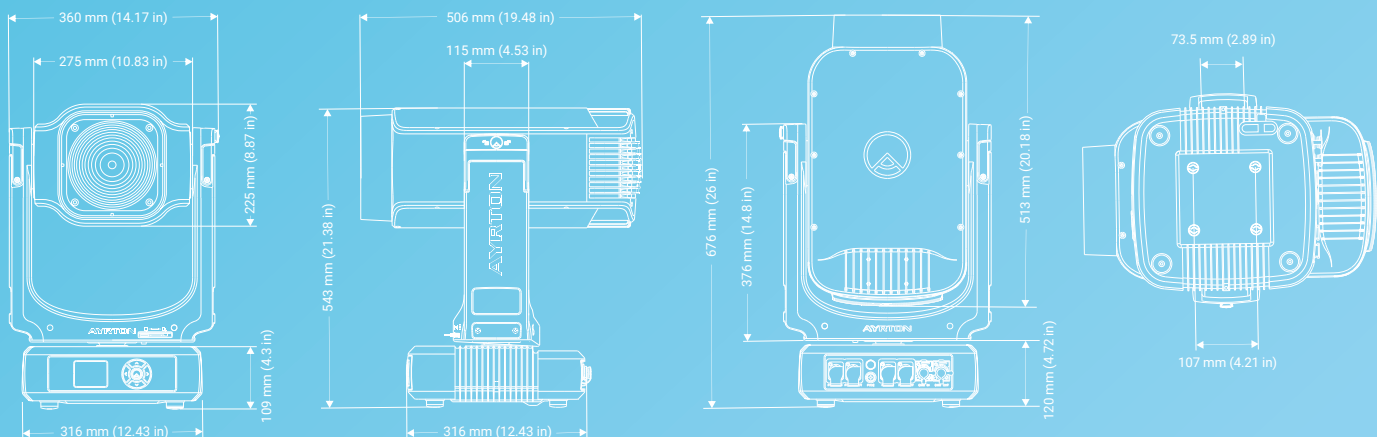
- Product: 360 x 676 x 316 mm (l x h x d)
- Flight-case foam: 485 x 565 x 560 mm (l x h x d)

WEIGHT

- Product: 29.7 kg

PRODUCT CODES

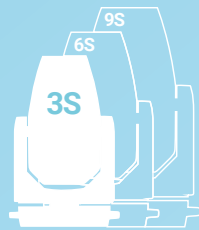
- 012341: RIVALE WASH S - CLASSICAL IP65 3 SERIES





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www.ayrton.eu

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