

ZONDA 3 WASH

Ready to create



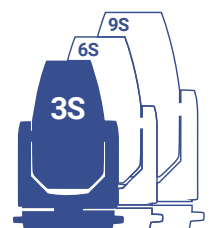
AYRTON

Digital Lighting



ZONDA 3 WASH ... ready to create

Some luminaires have the power to transform the ordinary into the extraordinary. AYRTON's latest creation is a luminaire with so many advantages... able to transition from beam to wash light with the greatest of ease.



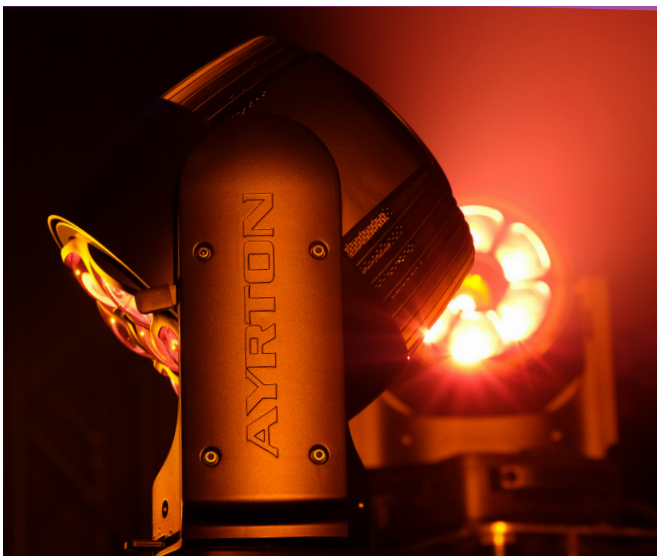
Akin to the ZONDA 9, the latest addition to the ZONDA family designed for stage lighting is an incredibly compact luminaire with unlimited creative potential. ZONDA 3 WASH is a versatile fixture with amazing effects that can switch from beam to wash with great ease. Its speed of movement and reduced dimensions increase its dynamic potential. Because of its size, it is easy to use in compositions with curtains or matrices. Fitted with seven high-performance 40-Watt LED sources with RGB+W, ZONDA 3 WASH offers a proprietary optical system made up of a unique 170 mm mono-block cluster in PMMA, which enhances beam coherence, and seven glass light guides with an output surface that has an optical micro-structure.



An inspiring luminaire that will give you an exciting experience

A 50 mm truncated transmitting lens whose optical surface is equivalent to that of a 70 mm round lens, enables ZONDA 3 WASH to obtain a highly intensive beam with a zoom ratio of 14:1 and a wide zoom range of 4° to 56°.

This LED/optical system combination is capable of producing light output of 5,200 lumens and a perfectly homogeneous mixture of pastel and saturated colours regardless of the colour combination chosen.



170 mm
mono-block cluster



5,200 lumens

**More performance,
more style, more fun...
Ready to create?**

Like its older brother ZONDA 3 WASH is a luminaire designed to cover an entire live entertainment stage. It is provided with additive colour synthesis that can reproduce precise, intense and deep colours.

The careful colour mixing of the sources allows for perfect colour reproduction.

A specially used black honeycomb and perfect separation of the light sources helps to significantly boost the level of contrast.



3 Series - Source

7 RGBW LED

Zoom aperture

4° to 56°

Frontal Lens

7 x 50 mm

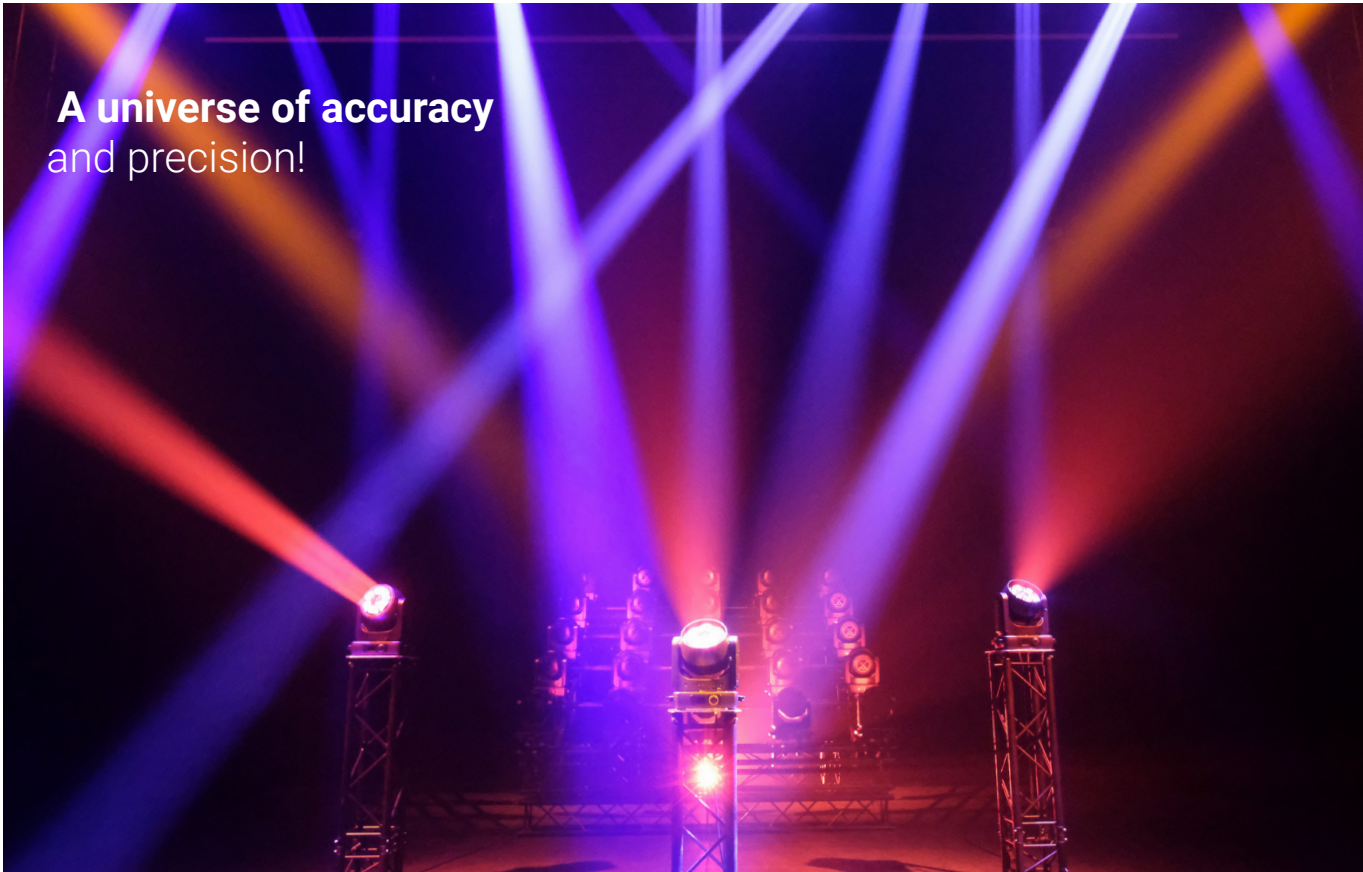
Weight

11.1 Kg



**7 lenses
in PMMA**



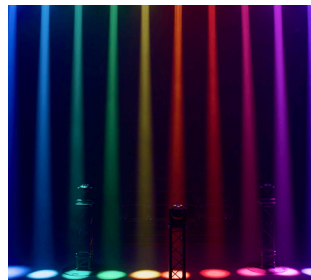
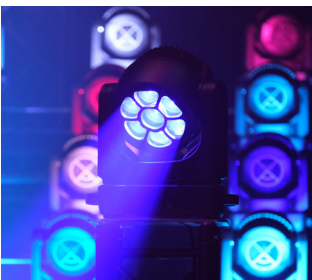


The combinations are endless!

A complete library of pre-programmed colours, created in collaboration with lighting designers, is instantly accessible. ZONDA 3 WASH is as discreet as it is silent. A unique ventilation system was exclusively designed for this luminaire.

A new optimised cooling system, simplified lens guidance systems, and an ever smarter design of the internal structure have made it possible to reduce the size and weight of the luminaire considerably Slim-21™.

In the endless pursuit of new creative compositions, AYRTON continues to lead the way.



Colours



Red

Green

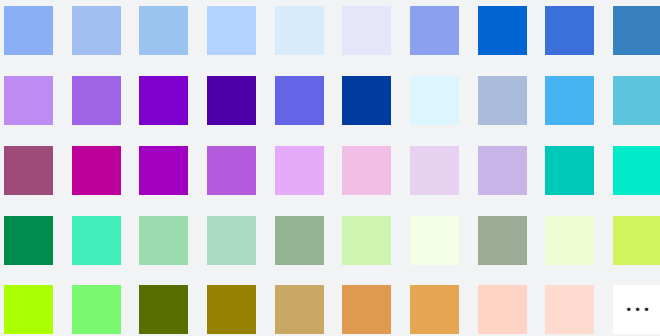
Blue



Saturated colours

Pastel colours

192 Pre-programmed colours



White colours



8000 K

6500 K

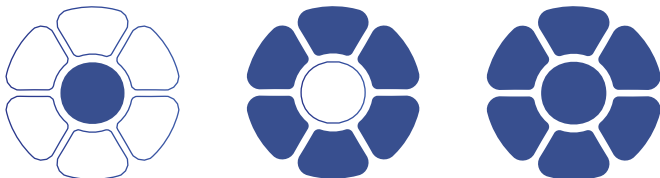
5600 K

4500 K

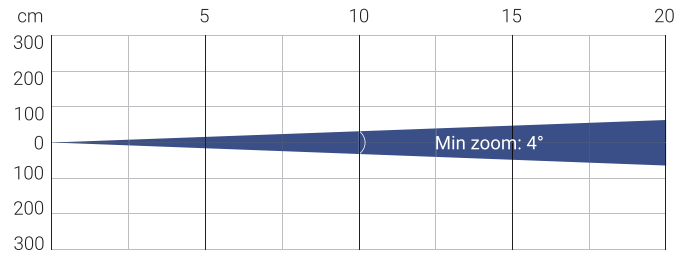
3200 K

2700 K

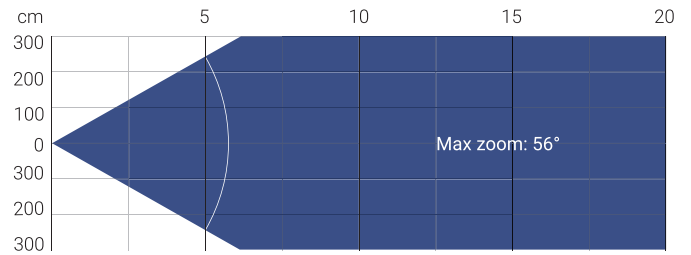
Ring control



Photometry



Distance (m)	5		10		15		20	
Unit	lux	∅	lux	∅	lux	∅	lux	∅
Red	3647		912		405		228	
Green	6444		1611		716		403	
Blue	1929	0.35	482	0.7	214	1.05	121	1.4
White	9542		2386		1060		596	
RGB+W	18600		4650		2067		1163	



Distance (m)	5		10		15		20	
Unit	lux	∅	lux	∅	lux	∅	lux	∅
Red	79		20		9		5	
Green	139		35		15		9	
Blue	43	5.54	11	11.09	5	16.63	3	22.17
White	196		49		22		12	
RGB+W	388		97		43		24	

Total Flux	5,200 lm Zoom at 100% (Sphere, Fan mode Stage)
CCT White chip	7600 (±500K)
Ra White chip	70 (±2)
TLCI White chip	45
TM-30 White chip	Rf: 68.2 Rg: 96.6

Fan Mode	Noise Level (dBA)	Flux (lm, sphere)
Auto Mode	42.9	5,100
Stage Mode	45.8	5,200
Silence Mode	38.5	4,200
Super Silence Mode	34.4	2,600

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

OPTICS

- 2 elements 14:1 zoom high-resolution optic system
- Beam aperture: 4° to 56°
- Fast motorised linear zoom
- 7 truncated edges 50 mm frontal lenses
- 170 mm front lens cluster

LIGHT SOURCE

- 7 x 1,000 lumens RGB+W High-Power LED sources
- Total luminaire output: up to 5,200 lumens
- CRI: up to 86
- Rated life: L70: up to 40,000 hours
- Flicker free sources 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 ensure extreme accuracy and smooth movements.
- PAN and TILT automatic repositioning
- Moving-head range: 540° pan & 270° tilt

COLOURS

- Sophisticated 4 colours RGB+W mixed, reaching high Colour Rendering Index
- Uniform light beam with no colour shadows, and rich saturated and pastel colour-hues
- 4.29 billion colours (8 bit resolution)
- Virtual colour wheel, including most usuals white colour temperature presets

EFFECTS

- 2D & 3D graphical effects capabilities
- Effects can be coupled with beam, wash or matrix applications
- Built-in pattern effects with speed and fade controls for scenic applications

DIMMER / STROBE

- Electronic dimmer, allowing perfect light adjustment from 0 to 100% without colour variation
- White or colour 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
- Clicking jog wheel to set functions
- Excess temperature protection
- XLR 5 pin male and female connectors for DMX connection
- etherCON RJ45 IN / OUT connectors for ArtNet™ connection
- powerCON TRUE1 IN / OUT connectors for power connection

CONTROL

- DMX 512 protocol, through DMX cable
- DMX-RDM compatible
- Stand-alone mode and Master/Slave modes
- ArtNet™ & sACN protocol through Ethernet cable
- Local control panel, with LCD display
- Choice of 3 DMX modes (from 26 to 46 DMX channels)

POWER SUPPLY

- Electronic supply with active PFC
- 120 to 240 Volts - 50/60Hz
- Power: 350 W maximum

COOLING SYSTEM

- Advanced cooling system
- Self adjusting variable speed fans for quiet operation (Auto mode)
- Selectable auto, stage & silence ventilation modes
- Safety protection against temperatures excesses

HOUSING

- Moving-head skeleton made of aluminium and steel metal plates
- Base in die-cast aluminium
- Heatsinks in aluminium
- Moulded covers in self-extinguishing fire retardant ABS PC (V0 class)
- Two sides handles for transportation
- Four heavy-duty feet for better stability
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Fastening brackets system: two Omega 1/4 turn brackets designed for use with standard clamps
- Mounting points: four 1/4 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): -10°C (14°F)
- Minimum usage distance: 1.0 m (3.28 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

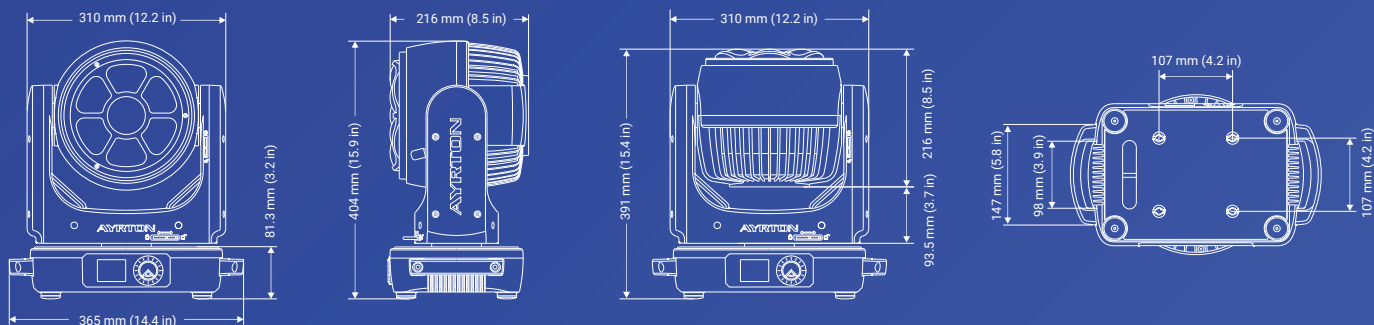
- Product: 365 x 404 x 233 mm (l x h x d)
- Flight-case foam: 420 x 438 x 280 mm (l x h x d)

WEIGHT

- Product: 11.1 Kg

PRODUCT CODES

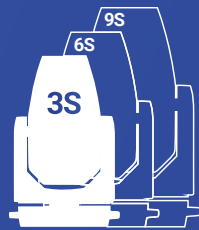
- 013240 : ZONDA 3 WASH - MULTI-SOURCES 3 SERIES





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www.ayrton.eu

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