

NANDO 502 WASH

Pure emotion



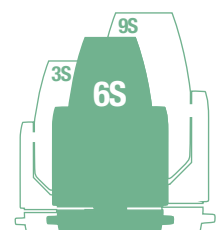
AYRTON

Digital Lighting

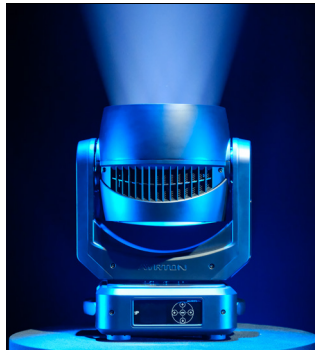


NANDO 502 WASH Pure emotion

NANDO 502 WASH is an incredibly compact luminaire for stage lighting, specially designed for mixed use, both indoor and outdoor, and in salty environments. The new minimalist design of NANDO 502 WASH ensures full accessibility to all functions on this lightweight luminaire.



By decreasing the thickness of the aluminium parts, optimising the cooling system, simplifying lens guidance, and integrating low-density optical components, AYRTON has been able to reduce overall weight by 20%. NANDO 502 WASH is fitted with 12 high-performance 40-watt LED sources with RGB-L additive colour synthesis and a proprietary optical system made up of a unique 210 mm cluster in PMMA. This works in combination with 12 glass light-guides with an output surface made of an optical micro-structure. Perfectly suited to stage lighting, this new LED source offers the advantage of better integration into the colour space and facilitates colour reproduction.



NANDO 502 WASH is a precision machine that can attain perfect colour reproduction

NANDO 502 WASH can achieve a luminous flux of 10,000 lumens and offer a perfectly homogeneous mix of pastel or saturated colours. NANDO 502 WASH is a precision machine that allows perfect colour reproducibility with a colour rendering index greater than 86. Versatile, it can instantly switch from beam to wash with an excellent zoom ratio of 15:1 and a zoom range of 3.5° to 53°.



12 high-performance 40-watt LED sources





IP65 luminaire

The stage lighting can evoke the most intense emotions

Its black honeycomb and perfect separation of the light sources help to significantly boost the level of contrast. The anti-reflective treated glass window guarantees an optimal visual result and increased performance.



6 Series - Source
12 RGB-L LED

Beam aperture
3.5° to 53°

Frontal Lens
12 x 70 mm

Weight
15.6 kg

10,000 lumens



NANDO 502 WASH is a precision machine capable **of achieving flawless color reproduction**



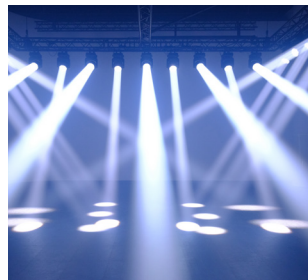
A compact luminaire for stage lighting that delivers a wash effect with finesse

A new submersible ventilation system in a non-waterproof compartment allows for optimal cooling. A complete library of pre-programmed colours allows you to quickly create subtle, dense and contrasted swaths of colour. AYRTON has installed separate LED source control channels on all WASH versions and included a virtually infinite library of effects.

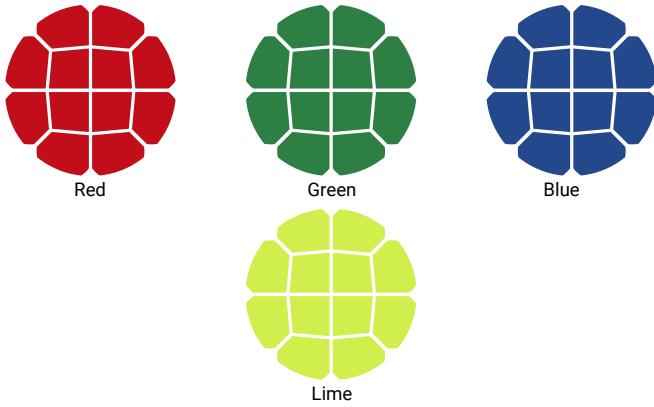
NANDO 502 WASH is an ultra-compact luminaire that enhances scenes with elegance and refinement. It is meant for designers looking for depth of colour who want to create unforgettable wash effects. In the endless pursuit of pure emotion.



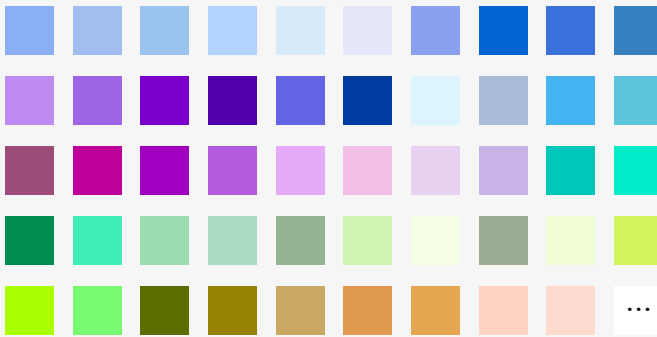
The black honeycomb boost the level of contrast



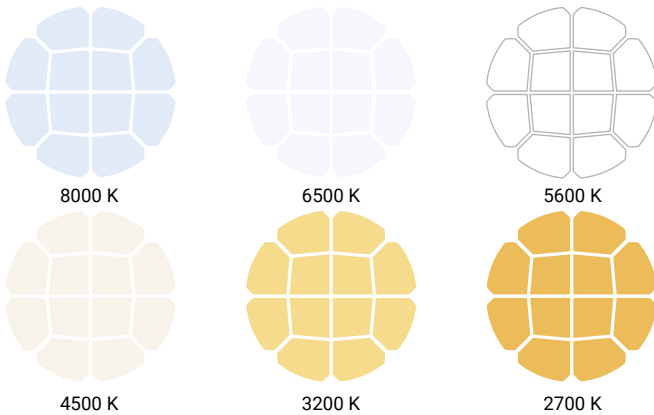
Colours



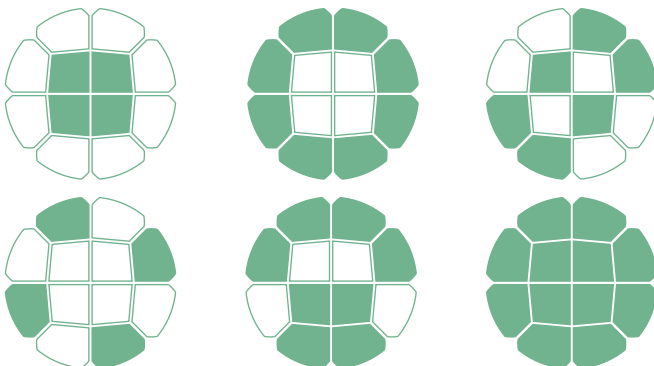
192 Pre-programmed colours



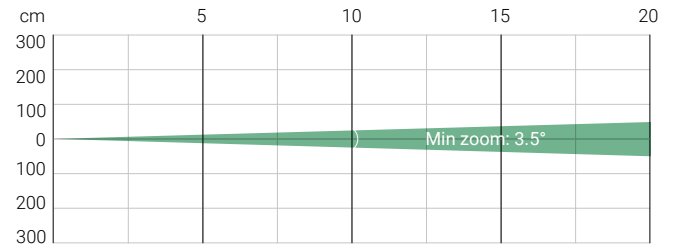
White colours



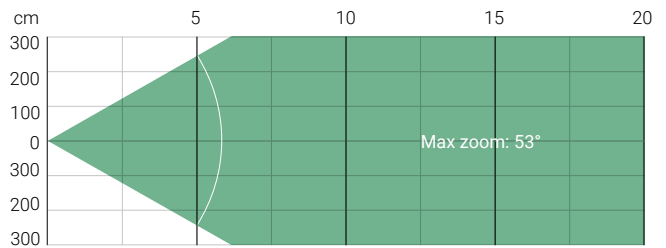
LEDs individual control



Photometry



Distance (m)	5		10		15		20	
Unit	lux	∅	lux	∅	lux	∅	lux	∅
Red	7,060		1,765		784		441	
Green	15,029		3,757		1,670		939	
Blue	3,257	0.35	814	0.7	362	1.05	204	1.4
Lime	19,496		4,874		2,166		1,218	
RGB+L	37,152		9,288		4,128		2,322	



Distance (m)	5		10		15		20	
Unit	lux	∅	lux	∅	lux	∅	lux	∅
Red	144		36		16		9	
Green	291		73		32		18	
Blue	65	5.54	16	11.09	7	16.63	4	22.17
Lime	362		91		40		23	
RGB+L	730		182		81		46	

Total Flux	10,000 lm (Sphere, fan mode Stage, wide zoom)
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CCT White (RGB-L White)	6500 (±500K)
Ra White (RGB-L White)	77 (±2)
TLCI White (RGB-L White)	66 (±2)
TM-30 White (RGB-L White)	Rf: 82,8 Rg: 112,3

Fan Mode	Noise Level (dBA)	Flux (lm)	Flux (lm)
Auto Mode	40.2	7,221	9,012
Stage Mode	46.1	7,484	9,842
Silence Mode	35.2	5,386	7,182
Super Silence Mode	32.4	3,192	4,209

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

OPTICS

- 2 elements 15:1 zoom high-resolution optic system
- Beam aperture: 3,5° to 53°
- Fast motorised linear zoom
- 12 truncated edges 70 mm frontal lenses
- 210 mm front lens cluster

LIGHT SOURCE

- 12 x 1,200 lumens RGB-L High-Power LED sources
- Total luminaire output: up to 10,000 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-L 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
- Individual control of each pixels

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
- 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 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 86 DMX channels)

POWER SUPPLY

- Electronic supply with active PFC
- 100 to 240 Volts - 50/60Hz
- Power: 550 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

- 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
- IP65 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): -20°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

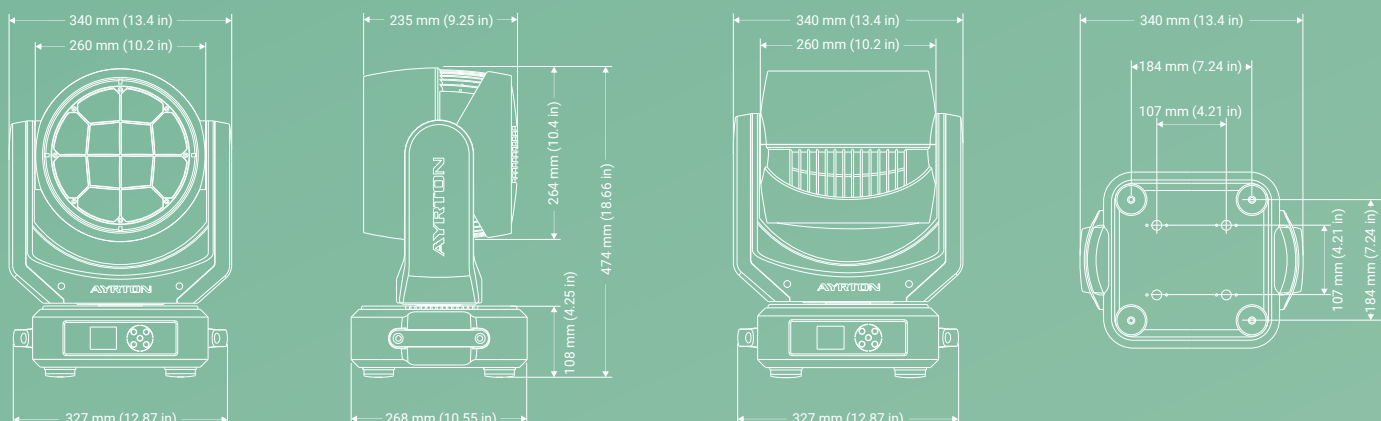
- Product: 340 x 474 x 268 mm (l x h x d)
- Flight-case foam: 395 x 480 x 335 mm (l x h x d)

WEIGHT

- Product: 15.6 kg

PRODUCT CODES

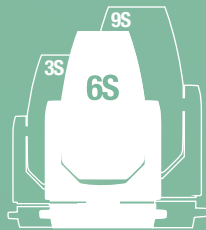
- 013420 : NANDO 502 WASH - MULTI-SOURCES IP65 6 SERIES





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www.ayrton.eu

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