ARGO 6 WASH Feel the freedom







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Bringing you a sensation of freedom has always been one of AYRTON's most sincere promises. For the first time in its history, AYRTON is launching a weather-sealed effects luminaire that offers as much creative potential indoors as outside – ARGO 6 WASH.



his luminaire presents a minimalist design incorporating features for total protection against harsh weather with easier internal access. The anti-reflective treated glass window guarantees an optimal visual result and offers increased performance. The placement of pan & tilt motors in the base and head of the luminaire avoids the constraint of weatherproofing the yoke arms.

A new submersible ventilation system in a non-waterproof compartment allows for optimal cooling.







A simple idea: add to freedom of expression

Due to a new composite alloy, reduction in thickness of the parts, an optimised cooling system, simplified lens guidance, and integration of low-density optical components, AYRTON has been able to reduce overall weight by 20%.

The power and visual performance of ARGO 6 WASH is ensured by a proprietary optical system consisting of a cluster of 19 lenses in PMMA with a diameter of 280 mm, combined with 19 glass light guides with an output surface made of an optical micro structure. ARGO 6 WASH can obtain a highly intense beam with a zoom ratio of 14:1 and a wide zoom range from 4° to 56°.

19 x 50 mm Frontal Lens



19 lenses in PMMA

A perfect balance between precision and versatility

ARGO 6 WASH is equipped with 19 LEDs of 40 W with RGB+W additive colour synthesis that can obtain light output of 13,000 lumens.

ARGO 6 is available in two versions to meet your specific needs: WASH and FX.

For the first time, AYRTON has provided individual control of the LEDs on WASH version and added a virtually infinite library of effects.



6 Series - Source	Zoom aperture	Frontal Lens	Weight
19 RGBW LED	4° to 56°	19 x 50 mm	23.2 kg











A practically infinite library of effects

ARGO 6 WASH is a precise machine that can obtain perfect colour reproduction. A complete library of pre-programmed colours allows you to quickly create subtle, dense and contrasting swaths of light.

Its black honeycomb and perfect separation of the light sources help to significantly boost the level of contrast. It can be used alone or in combination with the main LED matrix.

By allowing for more precision and exactness, ARGO 6 WASH add a breath of creativity. Rediscover a new sense of pure freedom.



The black honeycomb boost the level of contrast







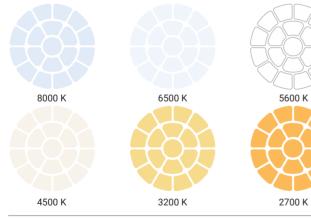


Colours Red Image: Creen Saturated colours

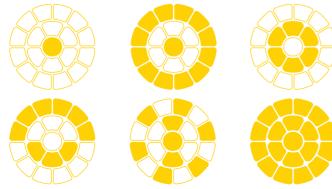
192 Pre-programmed colours



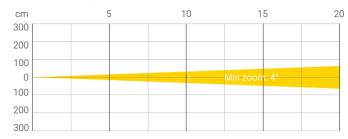
White colours



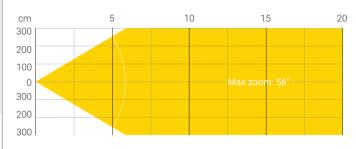
LEDs individual control



Photometry



Distance (m)	5	5	1	0	1	5	2	0
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
Red	8155		2039		906		510	
Green	16893		4223		1877		1056	
Blue	4577	0.35	1144	0.7	509	1.05	286	1.4
White	25668		6417		2852		1604	
RGB+W	47686		11921		5298		2980	



Distance (m)		5	1	0	1	5	2	20
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
Red	163		41		18		10	
Green	781		84	1	38]	21]
Blue	209	5.54	24	11.09	11	16.63	6	22.17
White	1092		136		61	1	34	1
RGB+W	2183		248	1	110	1	62	1

Total Flux	13,110 lm Zoom at 100% (Gonyometer, Fan mode AUTO)					
CCT White chip	7600 (:	7600 (±500K)				
Ra White chip	70	70 (±2)				
TLCI White chip	4	44				
TM-30 White chip	Rf: 66.8 Rg: 97.4					
Fan Mode	Noise Level (dBA)	Flux (lm)				
Auto Mode	47.1	12,900				
Stage Mode	52.1	13,110				
Silence Mode	40.8	9,200				
Super Silence Mode	34.8	6,100				

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

Technical specifications

OPTICS

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

LIGHT SOURCE

- 19 x 1,000 lumens RGB+W High-Power LED source
- CPI: 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.
- Moving-bood range: 540° pap & 270° ti

COLOURS

- Sophisticated 4 colours RGB+W mixed, reaching high Colour Rendering Index
- Uniform light beam with no colour shadows, and 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 adjustmen from 1 to 25 flashes per second

SOFTWARE FEATURE

- 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 FACILITIE

- Graphic LCD display for addressing and spectrum
- functions settings, with flip function
- 5 menu buttons to set functions
- Excess temperature protection
- IP65 XLR 5 pin male and female connectors for DMX connection
- IP65 etherCON RJ45 IN / OUT connectors for ArtNet[™] connection
- IP65 powerCON TRUE1 IN / OUT connectors for power connection

CONTROL

- DMX 512 protocol, through DMX cable or wireless
- DMX-RDM compatible
- Stand-alone mode and Master/Slave modes
- ArtNet[™] & sACN protocol through Ethernet cab
- · Local control panel, with LCD display
- Choice of 3 DMX modes (from 26 to 67 DM

POWER SUPPL

- Electronic supply with active PFC
- 100 to 240 Volts 50/60Hz
- Power: 950 W maximum

COOLING SYSTEM

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

HOUSING

- Moving-head skeleton made of aluminium and steel
 metal plates
- Base in die-cast alur
- Heatsinks in aluminium
- Moulded covers in self-extinguishing fire retardant
- ABS PC (V0 class
- Two sides handles for transportation
- Front window in Glass IK08 rated
- Four heavy-duty feet for better stability
- IP65 protection rating
- Exterior finish: black (Carbon

NSTALLATION

- Fastening brackets system: two Omega 1/4 turn
- brackets designed for use with standard clai
- Mounting points: four 1/4 turn locking fittings
- Safety cable attachment point

OPERATING PARAMETERS

- Operating positions: all (device on floor or fixed to a
- Maximum permitted ambient temperature (Ta max
- Minimum permitted ambient temperature (Ta min): -20°C (14°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: 436 x 536 x 280 mm (l x h x d)
 Flight-case foam: 485 x 565 x 350 mm (l x h x d)

WEIGHT

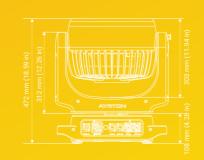
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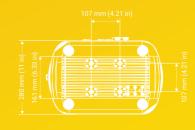
PRODUCT CODES

• 019640 : ARGO 6 WASH - IP65 MULTI-SOURCES 6 SERIES













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