







ARGO 6 FX Feel the freedom

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 FX.

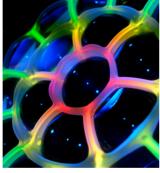


his luminaire presents a minimalist design incorporating features for total protection against harsh weather with easier internal access. The anti-reflective treated glass window guarantees an optimal visual result and offers increased performance. The placement of pan & tilt motors in the base and head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

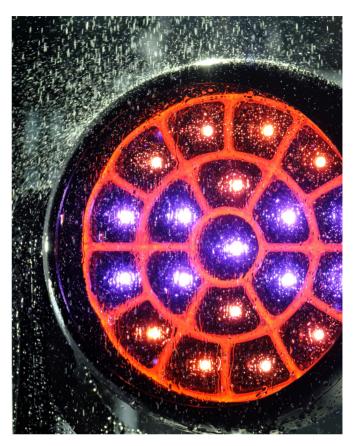
A new submersible ventilation system in a non-waterproof compartment allows for optimal cooling.











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 FX 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 FX 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



IP65 protection rating

A perfect balance between precision and versatility

ARGO 6 is equipped with 19 LEDs of 40 Watts 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 both FX and WASH versions and added a virtually infinite library of effects.



6 Series - Source

Zoom aperture

19 RGBW LED



Frontal Lens 19 x 50 mm Weight 23.2 kg







The sublime Liquid Effect is simply hypnotic

ARGO 6 FX is a versatile fully-equipped luminaire designed for a multitude of applications. It borrows from the main features of the WASH version. It offers continuous rotation of the pan and tilt movement I.R.S.TM.

ARGO 6 FX is equipped with a high-definition liquid effect system enhanced by a translucent honeycomb that can generate complex graphic effects LiquidEffectTM.

It can be used alone or in combination with the main LED matrix. By allowing for more precision and exactness, ARGO 6 FX add a breath of creativity. Rediscover a new sense of pure freedom.





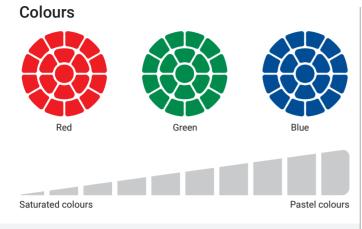




honeycomb creates

Its translucent





192 Pre-programmed colours



Pixel control



















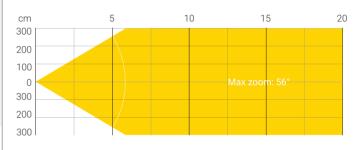




Photometry

cm	5	10	1	5	20
300					
200					
100					
0)	Min zoon	n: 4°	
100					
200					
300					

Distance (m)		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	5.54	84	11.09	38	16.63	21	22.17
Blue	209		24		11		6	
White	1092		136		61		34	
RGB+W	2183		248		110		62	

Total Flux	13,110 lm Zoom at 100% (Gonyometer, Fan mode AUTO)					
CCT White chip	7600 (±500K)					
Ra White chip	70 (±2)					
TLCI White chip	2	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
- · Moving bood range: infinite pap & tilt rate

- Sophisticated 4 colours RGB+W mixed, reaching high Colour Rendering Index
- Uniform light beam with no colour shadows,
- 4.20 billion colours (9 bit resolution
- Virtual colour wheel, including most usuals whit

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
- LiquidEffect[™]

DIMMER / STROBI

- Electronic dimmer, allowing perfect light adjustment
 from 0 to 100% without colour variation
- White or colour strobe effect, with speed adjustme

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 versio

HARDWARE FACILITIE

- Graphic LCD display for addressing and spectrum
- functions settings, with flip function
- 5 menu buttons to set function
- Excess temperature protection
 Integrated wireless CPMX TiMo™ PDM rec
- LumenRadi
- 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
- Stand along mode and Master/Slave moder
- ArtNet[™] & sACN protocol through Ethernet col
- Local control panel with LCD display
- Choice of 3 DMX modes (from 26 to 127 DMX channel)

POWER SUPPL

- Electronic supply with active PF0
- 100 to 240 Volts 50/60HZ

COOLING SYSTEM

- Advanced cooling syste
- Self adjusting variable speed fans for quiet operation
 (Auto mode)
- Selectable au
- Solution and instantion and instantin and instantion and instantion and instantion and inst

HOUSING

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

NSTALLATION

- Fastening brackets system: two Omega 1/4 turn
- brackets designed for use with standard clar
- Mounting points: four 1/4 turn locking fittings
- 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°E)
- 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

- UL 1573
- -CC Part 15, Subpart B:20

SIZE

- Product: 436 x 536 x 280 mm (l x h x d)
 Elight-case foam: 485 x 565 x 350 mm (l x h x d)
- WEIGHT
- Product: 23.2 k

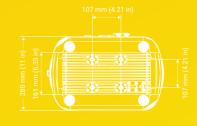
PRODUCT CODES

• 019650 : ARGO 6 FX - IP65 MULTI-SOURCES 6 SERIES













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