



AYRTON 2024

AYRTON

KYALAMI

curve light



Creative Solution - Source
100 W - 9000 K

Lux at 10 m
400,000

Beam
1°

IP Rating
IP65

Weight
14.5 kg



www.ayrton.eu



AYRTON

DIGITAL LIGHTING

3 SERIES

6 SERIES

CLASSICAL

KARIF LT
8-9

MISTRAL
10-13

DIABLO
14-17

LEVANTE
18-21

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CLASSICAL

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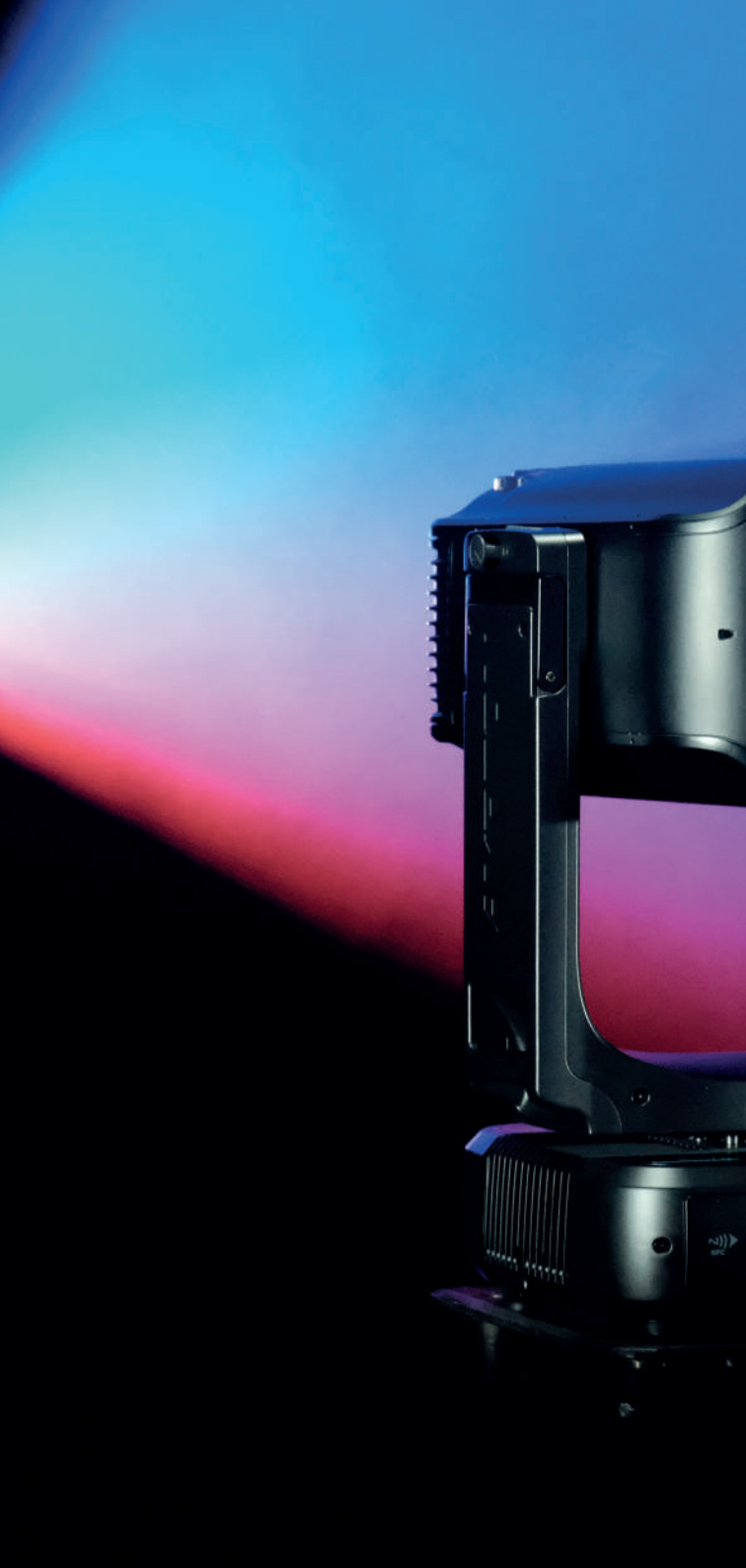
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3 SERIES

CLASSICAL

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ULTIMATE

🔹 RIVALE PROFILE

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MULTI SOURCES

ZONDA 3 FX

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ZONDA 3 WASH

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LASER SOURCE

🔹 COBRA

28-29

🔹 COBRA²

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**Lumens****14,000****Kelvin****7000****CRI****>70****Zoom****2.8° - 47°**

KARIF LT

Classical 3 Series

011170

KARIF is a versatile new fixture in the “LT” (Long Throw) series, adding to the AYRTON product offering for long-distance applications. This is a machine with phenomenal powers capable of delivering stunning visual effects. An ultra-compact 300 W beam-spot luminaire equipped with a 168 mm front lens, KARIF offers an astronomical zoom ratio of 17:1 and a zoom range of 2.8° to 47°. To achieve an ultra-intense beam with an LED source, AYRTON uses an entirely new miniaturised high-efficiency low-etendue compact LED module. Calibrated at 8000 K, it can generate powerful metallic white light and deep, vivid colours suitable for this type of application. KARIF provides overall output of 14,000 lumens at a colour temperature of 7000 K. In this first hybrid LED luminaire, AYRTON has added continuous rotation to its panoramic movement to expand the possibilities for creating complex special effects.

KARIF offers full-featured standard equipment including a CMY colour mixing system and a multi-position colour wheel with a variable CTO, four colour-temperature correction filters, and nine complementary colour filters on two concentric circles (patent pending). The effect section includes one wheel with nine interchangeable rotating HD glass gobos. For KARIF LT to reproduce multiple images, AYRTON has developed a totally new wheel of fixed multi-position gobos with instant access to 19 HD glass gobos and 20 metal gobos on three concentric circles (patent pending). KARIF is also equipped with a bi-directional continuous dynamic effects wheel. The prism effect system comprising four individually combinable prisms, coupled with 48 fixed and rotating gobos and an ultra-intense beam, can create unusual and spectacular kaleidoscopic effects.

OPTICS

- 13-element 17:1 zoom
- Beam aperture: 2.8° to 47°
- 168 mm front lens

LIGHT SOURCE

- 20,000 lumens 8000 K light engine
- Luminaire output: up to 14,000 lumens
- Colour temperature output: 7000 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: infinite rotation (pan), 263° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Progressive CTO
- 4 colour temperature correction
- 9 complementary colours

GOBOS

- 9 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- 19 fixed HD glass gobos & 20 metal gobos including 5 beam reducers
- Image diameter (rotating): 13 mm

FROST

- 2 frost filters: one light, one heavy

PRISM

- 4 combinable rotating prisms
- Continuous rotation in both directions

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- 3 DMX modes (32 to 46 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 550 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 365 x 622 x 212 mm (l x h x d)
- Foam: 430 x 660 x 280 mm (l x h x d)

WEIGHT

- Product: 27 kg

PRODUCT CODE

- 011170: KARIF LT

**Lumens****18,000****Kelvin****7000****CRI****>70****Zoom****6.7° - 53°**

MISTRAL S

Classical 3 Series

011240

AYRTON has once again pushed the limits with MISTRAL S, a versatile, new fully equipped 300 W spot luminaire in the same ultra-compact format as MERAK. Its new 13-lens proprietary optical system delivers a 8:1 zoom ratio with a zoom range of 6.7° to 53°. The optics, equipped with a 119 mm front lens, can achieve an extremely uniform flat beam that can render images perfectly in all conditions and at any beam angle. Designed for scenic applications, MISTRAL S is equipped with an entirely new LED module using a monochromatic light source calibrated at 8000 K, delivering powerful metallic white light with record-breaking output of 18,000 lumens and a colour temperature of 7000 K.

Feature-rich from the factory, MISTRAL S includes a CMY colour mixing system combined with a variable CTO and a seven-position complementary colour wheel for producing an infinite palette of vivid pastels and saturated colours. The effects section includes 16 interchangeable HD glass gobos on two wheels: one rotating wheel with seven positions and one fixed wheel with nine positions. Its continuous dynamic effects wheel can be used in combination with the two gobo wheels to create unique graphical effects. MISTRAL S also features a 15-blade iris diaphragm, a five-facet rotating prism, and a soft-edge frost filter as standard equipment. MISTRAL S has a highly efficient phase-change liquid cooling system using a heat pipe that includes a particularly effective Silent ventilation mode, designed for studio and theatre applications.

OPTICS

- 13-element 8:1 zoom
- Beam aperture: 6.7° to 53°
- 119 mm front lens

LIGHT SOURCE

- 26,000 lumens 8000 K light engine
- Luminaire output: up to 18,000 lumens
- Colour temperature output: 7000 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 263° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 7 complementary colours

GOBOS

- 7 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- 9 fixed HD glass gobos
- Image diameter: 20 mm

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- Light frost filter (heavy frost filter in option)

PRISM

- 5-facet circular prism
- Rotating and indexable

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- 3 DMX modes (26 to 39 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 550 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 1.5 m (4.92 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 365 x 591 x 212 mm (l x h x d)
- Foam: 450 x 620 x 280 mm (l x h x d)

WEIGHT

- Product: 18.9 kg

PRODUCT CODE

- 011240: MISTRAL S

**Lumens**

14,000

Kelvin

6500

CRI

> 90

Zoom

6.7° - 53°



MISTRAL TC

Classical 3 Series

011250

AYRTON has once again pushed the limits with MISTRAL TC, a versatile, new fully equipped 300 W spot luminaire in the same ultra-compact format as MERAK. Its new 13-lens proprietary optical system delivers a 8:1 zoom ratio with a zoom range of 6.7° to 53°. The optics, equipped with a 119 mm front lens, can achieve an extremely uniform flat beam that can render images perfectly in all conditions and at any beam angle. Devised specifically for applications that require perfect colour reproduction, MISTRAL TC is equipped with an entirely new LED module using a monochromatic light source calibrated at 7000 K with a native colour rendering index greater than 90, extremely high TM30 readings and a colour temperature of 6500 K.

Feature-rich from the factory, MISTRAL TC includes a CMY colour mixing system combined with a variable CTO and a seven-position complementary colour wheel for producing an infinite palette of vivid pastels and saturated colours. The effects section includes 16 interchangeable HD glass gobos on two wheels: one rotating wheel with seven positions and one fixed wheel with nine positions. Its continuous dynamic effects wheel can be used in combination with the two gobo wheels to create unique graphical effects. MISTRAL TC also features a 15-blade iris diaphragm, a five-facet rotating prism, and a soft-edge frost filter as standard equipment. MISTRAL TC has a highly efficient phase-change liquid cooling system using a heat pipe that includes a particularly effective Silent ventilation mode, designed for studio and theatre applications.

OPTICS

- 13-element 8:1 zoom
- Beam aperture: 6.7° to 53°
- 119 mm front lens

LIGHT SOURCE

- 21,000 lumens 7000 K light engine
- Luminaire output: up to 14,000 lumens
- Colour temperature output: 6500 K
- CRI: greater than 90
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 263° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 7 complementary colours

GOBOS

- 7 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- 9 fixed HD glass gobos
- Image diameter: 20 mm

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- Light frost filter (heavy frost filter in option)

PRISM

- 5-facet circular prism
- Rotating and indexable

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- 3 DMX modes (26 to 39 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 550 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 1.5 m (4.92 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 365 x 591 x 212 mm (l x h x d)
- Foam: 450 x 620 x 280 mm (l x h x d)

WEIGHT

- Product: 18.9 kg

PRODUCT CODE

- 011250: MISTRAL TC

**Lumens****19,000****Kelvin****7000****CRI****>70****Zoom****7° - 53°**

DIABLO S

Classical 3 Series

011340

AYRTON's latest innovation, DIABLO S, is a versatile, feature-rich 300 W profile luminaire based on the ultra-compact MISTRAL format. The company has taken on the ambitious challenge of making DIABLO S the smallest, lightest and most efficient luminaire of its category. With a record output of 19,000 lumens and a total weight of 22 kg, DIABLO S is a powerhouse of technology that will tempt the most demanding lighting designers. To achieve its objective, AYRTON has miniaturised the framing system while maximizing the performance level. As in other profile luminaires of the product line, the framing section allows accurate positioning of its four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. A new ultra-compact high-output 550 W power supply feeds eight additional motors in the framing system, fitting into the original MISTRAL format.

DIABLO S borrows the same 13-element proprietary optical system delivering an 8:1 zoom ratio with a zoom range of 7° to 53°. The 119 mm front lens can produce an extremely uniform flat beam that can render images perfectly in all conditions and at any beam angle. DIABLO S, specially designed for stage applications, is equipped with a monochromatic LED light source that can generate extremely high output and metallic white light calibrated at 7000 K. Fully equipped at the factory, DIABLO S includes a CMY colour mixing system combined with a progressive CTO and a wheel with seven complementary colours that produces an infinite palette of bright pastels and saturated colours. The effects section includes a wheel with seven interchangeable HD glass gobos, a continuous dynamic effects wheel, a 15-blade iris diaphragm, a heavy frost filter and a five-facet circular rotating prism. DIABLO S has a highly efficient phase-change liquid cooling system using a heat pipe that includes a particularly effective ultra-silent ventilation mode, perfect for stage and studio applications.

OPTICS

- 13-element 8:1 zoom
- Beam aperture: 7° to 53°
- 119 mm front lens

LIGHT SOURCE

- 26,500 lumens 8000 K light engine
- Luminaire output: up to 19,000 lumens
- Colour temperature output: 7000 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 263° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 7 complementary colours

GOBOS

- 7 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- Image diameter: 20 mm

FRAMING SYSTEM

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- Light frost filter (heavy frost filter in option)

PRISM

- 5-facet circular prism
- Rotating and indexable

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- 3 DMX modes (34 to 56 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 550 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 1.5 m (4.92 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 365 x 591 x 212 mm (l x h x d)
- Foam: 430 x 660 x 280 mm (l x h x d)

WEIGHT

- Product: 22 kg

PRODUCT CODE

- 011340: DIABLO S

**Lumens****14,000****Kelvin****6500****CRI****> 90****Zoom****7° - 53°**

DIABLO TC

Classical 3 Series

011350

AYRTON's latest innovation, DIABLO TC, is a versatile, feature-rich 300 W profile luminaire based on the ultra-compact MISTRAL format. The company has taken on the ambitious challenge of making DIABLO TC the smallest, lightest and most efficient luminaire of its category. With a record output of 14,000 lumens and a total weight of 22 kg, DIABLO TC is a powerhouse of technology that will tempt the most demanding lighting designers. To achieve its objective, AYRTON has miniaturised the framing system while maximizing the performance level. As in other profile luminaires of the product line, the framing section allows accurate positioning of its four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. A new ultra-compact high-output 550 W power supply feeds eight additional motors in the framing system, fitting into the original MISTRAL format.

DIABLO TC borrows the same 13-element proprietary optical system delivering an 8:1 zoom ratio with a zoom range of 7° to 53°. The 119 mm front lens can produce an extremely uniform flat beam that can render images perfectly in all conditions and at any beam angle. DIABLO TC is geared for applications that require perfect colour rendition, using a monochromatic light source with a native colour rendering index greater than 90 and very high TM30 readings, at a colour temperature of 6500 K. Fully equipped at the factory, DIABLO TC includes a CMY colour mixing system combined with a progressive CTO and a wheel with seven complementary colours that produces an infinite palette of bright pastels and saturated colours. The effects section includes a wheel with seven interchangeable HD glass gobos, a continuous dynamic effects wheel, a 15-blade iris diaphragm, a heavy frost filter and a five-facet circular rotating prism. DIABLO TC has a highly efficient phase-change liquid cooling system using a heat pipe that includes a particularly effective ultra-silent ventilation mode, perfect for stage and studio applications.

OPTICS

- 13-element 8:1 zoom
- Beam aperture: 7° to 53°
- 119 mm front lens

LIGHT SOURCE

- 20,500 lumens 7000 K light engine
- Luminaire output: up to 14,000 lumens
- Colour temperature output: 6500 K
- CRI: greater than 90
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 263° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 7 complementary colours

GOBOS

- 7 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- Image diameter: 20 mm

FRAMING SYSTEM

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- Light frost filter (heavy frost filter in option)

PRISM

- 5-facet circular prism
- Rotating and indexable

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- 3 DMX modes (34 to 56 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 550 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 1.5 m (4.92 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 365 x 591 x 212 mm (l x h x d)
- Foam: 430 x 660 x 280 mm (l x h x d)

WEIGHT

- Product: 22 kg

PRODUCT CODE

- 011350: DIABLO TC

**Lumens****20,000****Kelvin****7000****CRI****>70****Zoom****6.9° - 57°**

LEVANTE S

Classical 3 Series

010240

AYRTON now introduces LEVANTE S, a dramatically miniaturised version of the BORA wash light, and using the same radical concept, has endowed it with outstanding performance capabilities in the confines of an ultra-compact format. Levante is a marvel of technology that will attract the most demanding lighting designers. Fitted with a spherical front 138 mm lens, the proprietary optical system, using 13 lenses and developed specifically for wash-type applications, features a zoom ratio of over a 8:1 and an impressive zoom range from 6.9° to 57°. The optics produce an extremely uniform flat beam with no hot spot, ensuring a perfect colour mix regardless of the colour combination selected. AYRTON has created a wash luminaire that can actually sculpture light and added a high-transmission diffusion filter to the zoom lens group to erase the edge of the beam without changing its angle. A variable linear frost system was developed to let the user adjust the desired diffusion level with precision. A new barndoors module allows the four shutter blades to be freely positioned on 100% of the surface area so that any object can be framed regardless of the luminaire's position.

LEVANTE S is specially designed for stage applications. Weighing only 22 kg, LEVANTE S, can produce metallic white light calibrated at 7000 K and deliver light output greater than 20,000 lumens while consuming only 300 W. Feature-rich from the factory, LEVANTE S is not only equipped with a barndoor module but also a CMY colour mixing system, which, combined with a variable CTO and a wheel with seven complementary colours, produces an infinite palette of vivid pastels and saturated colours. A 15-blade iris diaphragm and a wheel with seven indexable rotating gobos are supplied as standard equipment. A new ultra-compact high-output 550 W power supply feeds eight additional motors in the barndoor system, fitting into the same format as MISTRAL. LEVANTE S has a highly efficient phase-change liquid cooling system using a heat pipe that includes a particularly effective ultra-silent ventilation mode, designed for stage and studio applications.

OPTICS

- 13-element 8:1 zoom
- Beam aperture: 6.9° to 57°
- 138 mm front lens

LIGHT SOURCE

- 26,500 lumens 8000 K light engine
- Luminaire output: up to 20,000 lumens
- Colour temperature output: 7000 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 263° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 7 complementary colours

GOBOS

- 7 indexable rotating metallic gobos
- Adjustable-speed rotating gobo
- Image diameter: 19 mm

BARNDOORS

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 0% to 100% variable linear frost

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- 3 DMX modes (29 to 50 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 550 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 1.5 m (4.92 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 365 x 632 x 212 mm (l x h x d)
- Foam: 430 x 660 x 280 mm (l x h x d)

WEIGHT

- Product: 22 kg

PRODUCT CODE

- 010240: LEVANTE S

**Lumens**

15,000

Kelvin

6500

CRI

> 90

Zoom

6.9° - 57°



LEVANTE TC

Classical 3 Series

010250

AYRTON now introduces LEVANTE TC, a dramatically miniaturised version of the BORA wash light, and using the same radical concept, has endowed it with outstanding performance capabilities in the confines of an ultra-compact format. Levante is a marvel of technology that will attract the most demanding lighting designers. Fitted with a spherical front 138 mm lens, the proprietary optical system, using 13 lenses and developed specifically for wash-type applications, features a zoom ratio of over a 8:1 and an impressive zoom range from 6.9° to 57°. The optics produce an extremely uniform flat beam with no hot spot, ensuring a perfect colour mix regardless of the colour combination selected. AYRTON has created a wash luminaire that can actually sculpture light and added a high-transmission diffusion filter to the zoom lens group to erase the edge of the beam without changing its angle. A variable linear frost system was developed to let the user adjust the desired diffusion level with precision. A new barndoors module allows the four shutter blades to be freely positioned on 100% of the surface area so that any object can be framed regardless of the luminaire's position.

LEVANTE TC is specially designed for situations that require perfect colour rendition, has a native colour rendering index greater than 90 and very high TM30 readings. Weighing only 22 kg, LEVANTE TC can deliver light output greater than 15,000 lumens while consuming only 300 W. Feature-rich from the factory, LEVANTE TC is not only equipped with a barndoor module but also a CMY colour mixing system, which, combined with a variable CTO and a wheel with seven complementary colours, produces an infinite palette of vivid pastels and saturated colours. A 15-blade iris diaphragm and a wheel with seven indexable rotating gobos are supplied as standard equipment. A new ultra-compact high-output 550 W power supply feeds eight additional motors in the barndoor system, fitting into the same format as MISTRAL. LEVANTE TC has a highly efficient phase-change liquid cooling system using a heat pipe that includes a particularly effective ultra-silent ventilation mode, designed for stage and studio applications.

OPTICS

- 13-element 8:1 zoom
- Beam aperture: 6.9° to 57°
- 138 mm front lens

LIGHT SOURCE

- 20,500 lumens 7000 K light engine
- Luminaire output: up to 15,000 lumens
- Colour temperature output: 6000 K
- CRI: greater than 90
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 263° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 7 complementary colours

GOBOS

- 7 indexable rotating metallic gobos
- Adjustable-speed rotating gobo
- Image diameter: 19 mm

BARNDOORS

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 0% to 100% variable linear frost

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- 3 DMX modes (29 to 50 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 550 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 1.5 m (4.92 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 365 x 632 x 212 mm (l x h x d)
- Foam: 430 x 660 x 280 mm (l x h x d)

WEIGHT

- Product: 22 kg

PRODUCT CODE

- 010250: LEVANTE TC

**Lumens****30,000****Kelvin****6500****CRI****>70****Zoom****4° - 52°**

RIVALE PROFILE

Ultimate IP65 3 Series

012321

RIVALE PROFILE is the first ultra-equipped luminaire in AYRTON's brand new "ULTIMATE" series, all models being perfectly homothetic and sharing common features, delivering previously unimaginable weight to output ratios. Developed for mixed use indoors and outdoors, and in all conditions, RIVALE PROFILE, with its unique visual signature, is unparalleled on the market. Weight determines performance, and RIVALE PROFILE weighs only 30.8 kg. It is capable of outstanding performance unprecedented for a product in this category. To allow you more creativity and freedom in your lighting design, RIVALE PROFILE has been provided with continuous rotation of the pan and tilt movement. RIVALE PROFILE is fitted with a brand new high-efficiency 450 W sealed mono-block LED module calibrated at 6500 K that offers a luminous flux of 30,000 lumens with optimal positioning on a black body to obtain perfect light neutrality. The proprietary optical system has 13 lenses, delivering a 13-to-1 zoom ratio and zoom range of 4 to 52°. Equipped with a 160 mm front lens, RIVALE PROFILE can produce an ultra-intensive beam of 4°, close to that of AYRTON's famous "LT" versions.

RIVALE PROFILE has adopted a brand-new high-definition progressive CMY colour-mixing system that delivers perfect colour reproduction as soon as the filter is inserted, regardless of the colour combination selected. An extended progressive CTO lets you fine tune the colour temperature from 2700 to 6500 K, and a seven-position colour wheel completes the palette of tools dedicated to creating colour. For greater flexibility of use, RIVALE PROFILE allows subtle adjustment of the colour rendering index from 70 to 86. The framing section permits accurate positioning of each shutter blade on a 100% surface area with a rotation of plus-or-minus 90°. A fast 15-blade iris diaphragm enables beam optimisation in Beam mode. The image section of RIVALE PROFILE includes 15 interchangeable high-definition glass gobos on two wheels: one rotating wheel with seven positions and one fixed wheel with eight positions. The effect section is fitted with a monochromatic animation wheel, two combinable rotating prisms and two frost filters. RIVALE PROFILE, a unique projector that boasts performance, creativity, subtlety and power, is the most versatile fixture created by AYRTON to date. A truly innovative luminaire with no equivalent on the market.

OPTICS

- 13-element 13:1 zoom
- Beam aperture: 4° to 52°
- 160 mm front lens

LIGHT SOURCE

- 35,000 lumens white light engine
- Luminaire output: up to 30,000 lumens
- Colour temperature output: 6500 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution 8- or 16-bit
- Smooth movement
- Pan and tilt automatic repositioning
- Range: infinite pan and tilt rotation

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- Variable CRI channel up to 86
- 7 complementary colours

GOBOS

- 7 indexable rotating gobo HD glass gobos
- Adjustable-speed rotating gobo
- 9 fixed HD glass gobo
- Image diameter: 20 mm

FRAMING SYSTEM

- 4 individually shutter blades
- Positionable on 100% surface area
- Rotation of the module: +/- 90°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 2 combinable rotating and indexable prisms
- One 5-facet circular, one 4-facet linear

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set functions
- Integrated wireless LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 connectors
- IP65 powerCON TRUE1 TOP connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 65 DMX channels

POWER SUPPLY

- 100 to 240 Volts – 50/60Hz
- Power: 700 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton made of aluminium
- Base in die-cast aluminium
- Heatsinks in aluminium and copper
- Moulded covers ABS PC (V0 class)
- 4 handles on the yoke
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- 2 Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum permitted: 45 °C (113 °F)
- Minimum permitted: -20 °C (-4 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 360 x 675.5 x 315 mm (l x h x d)
- Foam: 485 x 560 x 565 mm (l x h x d)

WEIGHT

- Product: 30.8 kg

PRODUCT CODE

- 012321: RIVALE PROFILE

**Lumens****5,200****Kelvin****all****CRI****< 86****Zoom****4° - 56°**

ZONDA 3 FX

Multi Sources 3 Series

013250

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 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 W LED sources with RGB-W, ZONDA 3 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. A 50 mm truncated transmitting lens whose optical surface is equivalent to that of a 70 mm round lens, enables ZONDA 3 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.

Some luminaires have the power to transform the ordinary into the extraordinary. ZONDA 3 FX is a creative, versatile and feature-rich luminaire that borrows from the main attributes of the WASH version. It offers continuous rotation of the pan and tilt movement I.R.S.™. Individual control of each LED allows you to achieve 3D volumetric effects. Perfect separation between the light sources helps to significantly boost the level of contrast and visual perception of multiple beams. This exceptional luminaire is equipped with a high-definition Liquid Effect™ located between its main lenses, which can generate complex graphic effects. It can be used alone or in combination with the main LED matrix. The library of effects in ZONDA 3 FX provides a limitless source of inspiration. 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™. All these innovations are the exclusive patents of AYRTON. ZONDA 3 FX opens the doors of creativity.

OPTICS

- 2-element 14:1 zoom
- Beam aperture: 4° to 56°
- 7 x 50 mm truncated lenses
- 170 mm front lens cluster

LIGHT SOURCE

- 7 x 1,000 lumens RGB-W LED source
- Luminaire output: up to 5,200 lumens
- CRI: up to 86
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Extremely accurate positioning
- Resolution: 8- or 16-bit
- Smooth movements
- Pan and tilt with automatic repositioning
- Range: infinite pan & tilt rotation

COLOURS

- Sophisticated 4 colours RGB-W mixed
- 4.29 billion colours (8-bit resolution)
- Virtual colour wheel
- Dynamic colour macro effect

EFFECTS

- 2D & 3D graphical effects capabilities
- Built-in pattern effects
- Pixel control
- LiquidEffect™

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (26 to 79 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 350 W maximum

COOLING SYSTEM

- Advanced cooling system
- Self-adjusting variable speed fans
- Selectable ventilation modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 1 m (3.28 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

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

WEIGHT

- Product: 11.1 kg

PRODUCT CODE

- 013250: ZONDA 3 FX

**Lumens****5,200****Kelvin****all****CRI****< 86****Zoom****4° - 56°**

ZONDA 3 WASH

Multi Sources 3 Series

013240

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 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 W LED sources with RGB-W, ZONDA 3 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. A 50 mm truncated transmitting lens whose optical surface is equivalent to that of a 70 mm round lens, enables ZONDA 3 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.

Like its older brother ZONDA 9 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. 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™.

OPTICS

- 2-element 14:1 zoom
- Beam aperture: 4° to 56°
- 7 x 50 mm truncated lenses
- 170 mm front lens cluster

LIGHT SOURCE

- 7 x 1,000 lumens RGB-W LED source
- Luminaire output: up to 5,200 lumens
- CRI: up to 86
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Extremely accurate positioning
- Resolution: 8- or 16-bit
- Smooth movements
- Pan and tilt with automatic repositioning
- Range: 540° pan & 270° tilt

COLOURS

- Sophisticated 4 colours RGB-W mixed
- 4.29 billion colours (8-bit resolution)
- Virtual colour wheel

EFFECTS

- 2D & 3D graphical effects capabilities
- Built-in pattern effects

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (26 to 46 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 350 W maximum

COOLING SYSTEM

- Advanced cooling system
- Self-adjusting variable speed fans
- Selectable ventilation modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 1 m (3.28 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

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

WEIGHT

- Product: 11.1 kg

PRODUCT CODE

- 013240: ZONDA 3 WASH

**Lux at 20 m****386,000****Kelvin****6500****CRI****> 65****Zoom****0.6° - 23°**

COBRA

Laser Source IP65 3 Series

014170

COBRA is the first factory standard AYRTON phosphor laser source luminaire based on the concept of DREAMSPOT 18K, presented at Prolight+Sound 2016. Several years of development have gone into designing and finalising this exceptional luminaire, which offers a next generation speckle-free laser source, designed for rendering a D65 white point that allows perfect colour reproduction. COBRA pushes all the limits when it comes to beam definition, with native contrast never before achieved by a digital light source, an incredible beam angle of 0.6°, and an extreme range of focus which permits the beam shape to be adjusted according to the operating distance XT-Focus™. Fitted with a 170 mm front lens, the proprietary optical system uses 13 lenses, producing an unprecedented 38x zoom ratio and a zoom range of 0.6° to 23°. COBRA adopts a particularly minimalist style, extremely well-balanced due to the luminaire's simplified waterproofing EasyProtect-65™, and the continuous rotation of the pan and tilt movement, multiplying the possibilities for creating complex effects I.R.S.™ and making this luminaire a universal tool capable of meeting any challenge in all conditions.

COBRA is provided with a highly innovative colour section including a CMY mixing system and a multi-position instant access wheel equipped with six corrective filters, 21 complementary colour filters, and a variable CTO on two concentric circles 2D-ColorWheel™. COBRA has an unrivalled graphics capability, offering a wide choice of 92 fixed and rotating metal gobos distributed on two wheels specifically created to sculpt light in "beam" mode and incorporates an animation section on the gobo wheel 2D-GoboWheel™. These gobos can be blended with two sections of four individually combinable rotating prisms allowing you to produce a multitude of volumetric lighting effects. A light and heavy frost filter complete COBRA's graphic tool palette. Well-suited for use indoors as well as outdoors, COBRA was developed as a unique versatile luminaire that incorporates all waterproof features, while remaining easily accessible and limited in weight. Able to operate in the most extreme situations, it has a sunlight protection system SunProtect-65™ and an integrated heating system that safeguards against temperatures below -20° C (-4° F) ColdProtect-65™. But above all, COBRA is the only luminaire on the market capable of illuminating an object several kilometres away... COBRA is simply unique.

OPTICS

- 13-element 38:1 zoom
- Beam aperture: 0.6° to 23°
- 170 mm front lens

LIGHT SOURCE

- Laser phosphore engine
- Luminaire output: up to 386,000 lux at 20m
- Colour temperature output: 6500 K
- CRI: greater than 65
- Rated life (L70): up to 12,000 hours
- Speckle-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: infinite pan & tilt rotation

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 21 complementary colours
- 6 colours temperature correction

GOBOS

- 12 indexable rotating gobos
- Adjustable-speed rotating gobo
- 80 fixed metal gobos
- Rotating gobo image diameter: 4 mm

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 2 combinable sections of 4 rotating and indexable prisms

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 connectors
- IP65 powerCON TRUE1 TOP connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (35 to 45 DMX channels)

POWER SUPPLY

- 100 to 240 Volts - 50/60 Hz
- Power: 480 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -20 °C (-4 °F)
- Minimum usage distance: 25 m (82 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 415 x 660 x 280 mm (l x h x d)
- Foam: 485 x 565 x 560 mm (l x h x d)

WEIGHT

- Product: 33 kg

PRODUCT CODE

- 014170: COBRA

**Lux at 20 m****386,000****Kelvin****6500****CRI****> 65****Zoom****0.6° - 23°**

COBRA²

Laser Source IP65 3 Series

014175

COBRA² is an evolution of the famous COBRA, which has sold several thousand units worldwide. COBRA² has been specifically developed for use in the United States. It is certified and compliant with US FDA CDRH laser product requirements, which complies with the strictest safety standards for laser sources. This new luminaire incorporates several sensors that analyse the position and the size of the beam in real time. An interface can be used to determine projection exclusion zones by integrating safety distances. COBRA² pushes back all the limits in terms of beam definition, with a native contrast never achieved by a digital light source. COBRA² offers an incredible beam angle of 0.6° and an extreme focusing range that allows the shape of the beam to be adjusted according to the distance of use. COBRA² features a new-generation speckle-free laser source, developed to deliver D65 white point for perfect colour reproduction. Featuring a 170 mm front lens, the proprietary 13-lens optical system offers an unprecedented 38x zoom range.

COBRA² features a highly innovative colour section including a CMY mixing system and an instant-access multi-position wheel equipped with 6 corrective filters, 21 complementary colour filters and a progressive CTO on two concentric circles. COBRA² boasts unrivalled graphics capability, with a vast choice of 92 fixed and rotating metal gobos on two wheels, specifically designed to sculpt light in beam mode, and incorporating an animation wheel. These gobos can be combined with two palettes of 4 individual, combinable rotating prisms to create a multitude of volumetric effects. Two light and heavy frost filters complete the COBRA²'s palette of graphics tools. Equally at home indoors or outdoors, COBRA² has been developed as a unique multi-purpose luminaire that incorporates all the waterproofing functions while retaining total accessibility and contained weight. It is capable of operating in the most extreme situations, has a protection system against the sun's rays and an integrated heating system against temperatures below -20 °C (-4 °F). COBRA² is as unique as ever.

OPTICS

- 13-element 38:1 zoom
- Beam aperture: 0.6° to 23°
- 170 mm front lens

LIGHT SOURCE

- Laser phosphore engine
- Luminaire output: up to 386,000 lux at 20m
- Colour temperature output: 6500 K
- CRI: greater than 65
- Rated life (L70): up to 12,000 hours
- Speckle-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: infinite pan & tilt rotation

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 21 complementary colours
- 6 colours temperature correction

GOBOS

- 12 indexable rotating gobos
- Adjustable-speed rotating gobo
- 80 fixed metal gobos
- Rotating gobo image diameter: 4 mm

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 2 combinable sections of 4 rotating and indexable prisms

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 connectors
- IP65 powerCON TRUE1 TOP connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (35 to 45 DMX channels)

POWER SUPPLY

- 100 to 240 Volts - 50/60 Hz
- Power: 480 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -20 °C (-4 °F)
- Minimum usage distance: 25 m (82 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018, Certified and compliant with US FDA CDRH laser product requirements

SIZE

- Product: 360 x 676 x 316 mm (l x h x d)
- Foam: 490 x 645 x 565 mm (l x h x d)

WEIGHT

- Product: 30.7 kg

PRODUCT CODE

- 014175: COBRA²



6 SERIES

CLASSICAL

GIBLI S

34-35

GIBLI TC

36-37

EURUS PROFILE S

38-39

EURUS PROFILE TC

40-41

KHAMSIN S

42-43

KHAMSIN TC

44-45

BORA S

46-47

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MULTI SOURCES

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**Lumens****23,000****Kelvin****7000****CRI****>70****Zoom****7° - 56°**

GHIBLI S

Classical 6 Series

011450

GHIBLI S is AYRTON's first LED spot luminaire that is factory-equipped with a framing system designed to offer lighting designers unlimited creative possibilities without any compromise. Fitted with a LED module using a high-output, low-entendue monochromatic light source calibrated at 8000 K, GHIBLI S delivering powerful metallic white light with output of 23,000 lumens and a colour temperature of 7000 K in a highly compact format. The proprietary optical system, equipped with a 137 mm front lens, has 13 high-quality lenses, delivering an 8:1 zoom ratio and a zoom range of 7° to 56°. The optics produce an extremely uniform flat beam with no hot spot. The selection of gobos and colours was made in collaboration with lighting designers to meet the needs of the entertainment industry.

AYRTON has concentrated its expertise into one, single fixture GHIBLI S to offer you a maximum of possibilities. Think versatile. Think Ghibli. Standard features on GHIBLI S include a CMY colour mixing system combined with a variable CTO and a six-position complementary colour wheel to produce in an infinite palette of pastels and saturated colours. The luminaire is fitted with an entirely new filter for optimising the colour rendering index. The framing system allows each frame to be positioned with precision on a 100% surface area in all positions. The effects section includes two wheels with interchangeable HD glass gobos: one with seven rotating and the other with eight fixed gobos; a continuous dynamic effects wheel; an iris diaphragm; two frost filters and a five-facet rotating prism. GHIBLI S is equipped with a new, highly effective phase-change liquid cooling system using a heat pipe.

OPTICS

- 13-element 8:1 zoom
- Beam aperture: 7° to 56°
- 137 mm front lens

LIGHT SOURCE

- 36,000 lumens 8000 K light engine
- Luminaire output: up to 23,000 lumens
- Colour temperature output: 7000 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 270° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 6 complementary colours
- High CRI filter (up to 90)

GOBOS

- 7 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- 8 fixed HD glass gobos
- Image diameter: 22 mm

FRAMING SYSTEM

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISM

- 5-facet circular prism
- Rotating and indexable

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (36 to 58 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 800 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 468 x 734 x 280 mm (l x h x d)
- Foam: 655 x 590 x 555 mm (l x h x d)

WEIGHT

- Product: 35.6 kg

PRODUCT CODE

- 011450: GHIBLI S

**Lumens**

17,000

Kelvin

5900

CRI

> 90

Zoom

7° - 56°



GHIBLI TC

Classical 6 Series

011460

GHIBLI TC is AYRTON's first LED spot luminaire that is factory-equipped with a framing system designed to offer lighting designers unlimited creative possibilities without any compromise. Fitted with a LED module using a high-output, low-etendue monochromatic light source calibrated at 6500 K, GHIBLI TC is designed for applications that require perfect colour reproduction with a native colour rendering index greater than 90, extremely high TM30 readings and a colour temperature of 5900 K. The proprietary optical system, equipped with a 137 mm front lens, has 13 high-quality lenses, delivering an 8:1 zoom ratio and a zoom range of 7° to 56°. The optics produce an extremely uniform flat beam with no hot spot. The selection of gobos and colours was made in collaboration with lighting designers to meet the needs of the entertainment industry.

AYRTON has concentrated its expertise into one, single fixture GHIBLI TC to offer you a maximum of possibilities. Think versatile. Think Ghibli. Standard features on GHIBLI TC include a CMY colour mixing system combined with a variable CTO and a six-position complementary colour wheel to produce in an infinite palette of pastels and saturated colours. The framing system allows each frame to be positioned with precision on a 100% surface area in all positions. The effects section includes two wheels with interchangeable HD glass gobos: one with seven rotating and the other with eight fixed gobos; a continuous dynamic effects wheel; an iris diaphragm; two frost filters and a five-facet rotating prism. GHIBLI TC is equipped with a new, highly effective phase-change liquid cooling system using a heat pipe.

OPTICS

- 13-element 8:1 zoom
- Beam aperture: 7° to 56°
- 137 mm front lens

LIGHT SOURCE

- 26,000 lumens 6500 K light engine
- Luminaire output: up to 17,000 lumens
- Colour temperature output: 5900 K
- CRI: greater than 90
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 270° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 6 complementary colours
- High CRI filter (up to 92)

GOBOS

- 7 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- 8 fixed HD glass gobos
- Image diameter: 22 mm

FRAMING SYSTEM

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISM

- 5-facet circular prism
- Rotating and indexable

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (36 to 58 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 800 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 468 x 734 x 280 mm (l x h x d)
- Foam: 655 x 590 x 555 mm (l x h x d)

WEIGHT

- Product: 35.6 kg

PRODUCT CODE

- 011460: GHIBLI TC

**Lumens****36,000****Kelvin****6700****CRI****>70****Zoom****4.5° - 50°**

EURUS PROFILE S

Classical 6 Series

011540

A new addition to the 6 Series, EURUS PROFILE S is the first multi-function profile luminaire launched under the new Slim-21™ programme for miniaturising fixtures and reducing their weight. AYRTON has developed a new high-efficiency power supply in an entirely new die-cast aluminium base that takes up 33% less volume than in other luminaires of the same category. A lighter internal structure and all-new miniaturised stepper motors add to the final result. This new luminaire boasts optics specifically developed for applications requiring perfect image reproduction and significantly reduced distortion caused by the shutter blades in wide zoom. Fitted with a 170 mm front lens, the proprietary optical system uses 13 lenses, producing an 11:1 zoom ratio and a zoom range of 4.5° to 50°. EURUS PROFILE S is specially designed for stage applications, is equipped with a new 650 W ultra-compact monochromatic LED emitter calibrated at 8200 K, it can deliver metallic white light with an output of 36,000 lumens at a colour temperature of 6700 K.

Feature-packed from the factory, EURUS PROFILE S includes a subtractive CMY colour mixing system combined with a variable CTO and a seven-position complementary colour wheel for displaying an infinite palette of vivid pastels and saturated colours. In addition, the colour section contains two additional filters for optimising the colour rendering index and TM30 readings. The framing section allows accurate positioning of each shutter blade on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. The image section includes 18 interchangeable HD glass gobos on two wheels: one rotating wheel with seven positions and one fixed wheel with eleven positions. The effects section includes one continuous dynamic effect-wheel, 15-blade iris diaphragm, two frost filters (one for light and one for heavy diffusion), two combinable rotating prisms (one circular with 5 facets and one linear with 4 facets). EURUS PROFILE S has a highly efficient phase-change liquid cooling system using a heat pipe that includes a particularly effective ultra-silent ventilation mode, designed for stage and studio applications.

OPTICS

- 13-elements 11:1 zoom
- Beam aperture: 4.5° to 50°
- 170 mm front lens

LIGHT SOURCE

- 45,600 lumens 8200 K light engine
- Luminaire output: up to 36,000 lumens
- Colour temperature output: 6700 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt automatic repositioning
- Range: 540° (pan), 266° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 7 complementary colours

GOBOS

- 7 indexable rotating HD glass gobo
- Adjustable-speed rotating gobo
- 11 fixed HD glass gobo
- Image diameter: 22 mm

FRAMING SYSTEM

- 4 individually positionable shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 60°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISM

- 2 combinable rotating and indexable prisms
- One 5-facet circular, one 4-facet linear

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (39 to 62 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60Hz
- Power: 1,000 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 445 x 743 x 273 mm (l x h x d)
- Foam: 655 x 590 x 555 mm (l x h x d)

WEIGHT

- Product: 32.9 kg

PRODUCT CODE

- 011540: EURUS PROFILE S

**Lumens****25,000****Kelvin****6200****CRI****> 90****Zoom****4.5° - 50°**

EURUS PROFILE TC

Classical 6 Series

011545

A new addition to the 6 Series, EURUS PROFILE TC is the first multi-function profile luminaire launched under the new Slim-21™ programme for miniaturising fixtures and reducing their weight. AYRTON has developed a new high-efficiency power supply in an entirely new die-cast aluminium base that takes up 33% less volume than in other luminaires of the same category. A lighter internal structure and all-new miniaturised stepper motors add to the final result. This new luminaire boasts optics specifically developed for applications requiring perfect image reproduction and significantly reduced distortion caused by the shutter blades in wide zoom. Fitted with a 170 mm front lens, the proprietary optical system uses 13 lenses, producing an 11:1 zoom ratio and a zoom range of 4.5° to 50°. EURUS PROFILE TC is geared for applications that require perfect colour rendition, using a monochromatic light source with a native colour rendering index greater than 90, at a colour temperature of 6200 K.

Feature-packed from the factory, EURUS PROFILE TC includes a subtractive CMY colour mixing system combined with a variable CTO and a seven-position complementary colour wheel for displaying an infinite palette of vivid pastels and saturated colours. In addition, the colour section contains two additional filters for optimising the colour rendering index and TM30 readings. The framing section allows accurate positioning of each shutter blade on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. The image section includes 18 interchangeable HD glass gobos on two wheels: one rotating wheel with seven positions and one fixed wheel with eleven positions. The effects section includes one continuous dynamic effect-wheel, 15-blade iris diaphragm, two frost filters (one for light and one for heavy diffusion), two combinable rotating prisms (one circular with 5 facets and one linear with 4 facets). EURUS PROFILE TC has a highly efficient phase-change liquid cooling system using a heat pipe that includes a particularly effective ultra-silent ventilation mode, designed for stage and studio applications.

OPTICS

- 13-elements 11:1 zoom
- Beam aperture: 4.5° to 50°
- 170 mm front lens

LIGHT SOURCE

- 32,000 lumens 7000 K light engine
- Luminaire output: up to 25,000 lumens
- Colour temperature output: 6200 K
- CRI: greater than 90
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt automatic repositioning
- Range: 540° (pan), 266° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 7 complementary colours

GOBOS

- 7 indexable rotating HD glass gobo
- Adjustable-speed rotating gobo
- 11 fixed HD glass gobo
- Image diameter: 22 mm

FRAMING SYSTEM

- 4 individually positionable shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 60°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISM

- 2 combinable rotating and indexable prisms
- One 5-facet circular, one 4-facet linear

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (39 to 62 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60Hz
- Power: 1,000 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 445 x 743 x 273 mm (l x h x d)
- Foam: 655 x 590 x 555 mm (l x h x d)

WEIGHT

- Product: 32.9 kg

PRODUCT CODE

- 011545: EURUS PROFILE TC

**Lumens****40,000****Kelvin****7000****CRI****>70****Zoom****7° - 58°**

KHAM SIN S

Classical 6 Series

011640

AYRTON has once again pushed the limits with a newly designed "profile" luminaire... KHAM SIN S... squeezing a 750 W LED module into the highly compact GHIBLI format, while offering 60% more light output. To make the luminaire this compact, AYRTON has completely redesigned its internal structure by using cast aluminium sides. The size of the cooling system also had to be dramatically reduced and made even more efficient. This high-end luminaire also features a double rotating gobo wheel on a single axis that will allow you to achieve astonishing high-definition morphing effects. The proprietary optical system, fitted with 13 lenses, features a 158 mm front lens and delivers an 8:1 zoom ratio and a zoom range of 7° to 58°. The high-quality optics offer excellent image reproduction and produce an extremely uniform flat beam with no hot spot, ensuring a perfectly homogeneous colour mix regardless of the colour combination selected.

KHAM SIN S is designed for scenic applications. It is equipped with a new LED module, delivering powerful metallic white light with record-breaking output of 40,000 lumens and a colour temperature of 7000 K. Feature-rich from the factory, KHAM SIN S includes a CMY colour mixing system, which, combined with a variable CTO and one wheel with six complementary colours, produces an infinite palette of vivid pastels and saturated colours. The framing section allows accurate positioning of four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. The effects section includes two wheels with six interchangeable HD glass gobos; a continuous dynamic effects wheel; a 15-blade iris diaphragm; two frost filters: one light frost, one heavy frost; two rotating prisms: one circular with 5 facets, one linear with 4 facets. KHAM SIN S is the perfect lighting solution for large venues, such as arenas and stadiums dedicated to major events.

OPTICS

- 13-element 8:1 zoom
- Beam aperture: 7° to 58°
- 158 mm front lens

LIGHT SOURCE

- 60,000 lumens 8000 K light engine
- Luminaire output: up to 40,000 lumens
- Colour temperature output: 7000 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 262° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 6 complementary colours

GOBOS

- 12 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- Image diameter: 24 mm

FRAMING SYSTEM

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 2 rotating and indexable prisms
- One 5-facet circular, one 4-facet linear

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (40 to 64 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,150 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 494 x 778 x 280 mm (l x h x d)
- Foam: 655 x 590 x 555 mm (l x h x d)

WEIGHT

- Product: 39.8 kg

PRODUCT CODE

- 011640: KHAMSIN S

**Lumens****31,000****Kelvin****6400****CRI****> 90****Zoom****7° - 58°**

KHAMSIN TC

Classical 6 Series

011650

AYRTON has once again pushed the limits with a newly designed "profile" luminaire... KHAMSIN TC... squeezing a 750 W LED module into the highly compact GHIBLI format, while offering 60% more light output. To make the luminaire this compact, AYRTON has completely redesigned its internal structure by using cast aluminium sides. The size of the cooling system also had to be dramatically reduced and made even more efficient. This high-end luminaire also features a double rotating gobo wheel on a single axis that will allow you to achieve astonishing high-definition morphing effects. The proprietary optical system, fitted with 13 lenses, features a 158 mm front lens and delivers an 8:1 zoom ratio and a zoom range of 7° to 58°. The high-quality optics offer excellent image reproduction and produce an extremely uniform flat beam with no hot spot, ensuring a perfectly homogeneous colour mix regardless of the colour combination selected.

Devised specifically for applications that require perfect colour reproduction, KHAMSIN TC is equipped with an entirely new LED module using a monochromatic light source with a native colour rendering index greater than 90, extremely high TM30 readings and a colour temperature of 6400 K. Feature-rich from the factory, KHAMSIN TC includes a CMY colour mixing system, which, combined with a variable CTO and one wheel with six complementary colours, produces an infinite palette of vivid pastels and saturated colours. The framing section allows accurate positioning of four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. The effects section includes two wheels with six interchangeable HD glass gobos; a continuous dynamic effects wheel; a 15-blade iris diaphragm; two frost filters: one light frost, one heavy frost; two rotating prisms: one circular with 5 facets, one linear with 4 facets. KHAMSIN TC is the perfect lighting solution for large venues, such as arenas and stadiums dedicated to major events.

OPTICS

- 13-element 8:1 zoom
- Beam aperture: 7° to 58°
- 158 mm front lens

LIGHT SOURCE

- 48,000 lumens 7000 K light engine
- Luminaire output: up to 31,000 lumens
- Colour temperature output: 6400 K
- CRI: greater than 90
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 262° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 6 complementary colours

GOBOS

- 12 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- Image diameter: 24 mm

FRAMING SYSTEM

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 2 rotating and indexable prisms
- One 5-facet circular, one 4-facet linear

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (40 to 64 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,150 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 494 x 778 x 280 mm (l x h x d)
- Foam: 655 x 590 x 555 mm (l x h x d)

WEIGHT

- Product: 39.8 kg

PRODUCT CODE

- 011650: KHAMSIN TC

**Lumens****40,000****Kelvin****6800****CRI****>70****Zoom****8° - 64°**

BORA S

Classical 6 Series

010640

AYRTON has developed BORA S, its new feature-packed 750 W wash luminaire, using a radical approach. Its specific function is to establish the perfect atmosphere for your creative design. Fitted with a front 178 mm spherical lens, the proprietary optical system using 13 high-quality lenses was developed specifically for “wash” applications. It features an 8:1 zoom ratio for a wide zoom range from 8° to 64°. The optics produces an extremely uniform flat beam with no hot spot, ensuring a perfectly homogeneous colour mix regardless of the colour combination selected. BORA S is designed for scenic applications. It is equipped with a new LED module calibrated at 8000 K, delivering powerful metallic white light with record-breaking output of 40,000 lumens. Wonderfully sleek and compact, BORA S is example of meticulous workmanship.

Feature-rich from the factory, BORA S includes a CMY colour mixing system, which, combined with a variable CTO and two wheels with six complementary colours each, produces an infinite palette of vivid pastels and saturated colours. The framing section allows accurate positioning of four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. BORA S is also factory-equipped with a wheel holding six rotating gobos specially designed for wash-type applications, a variable linear frost and a 15-blade iris diaphragm. Like all AYRTON luminaires, BORA S has a phase-change liquid cooling system using a heat pipe that includes a particularly effective silent ventilation mode. BORA S is particularly suitable for situations requiring a great deal of light output such as concerts or other live entertainment. Designed for total versatility.

OPTICS

- 13-element 8:1 zoom
- Beam aperture: 8° to 64°
- 178 mm front lens

LIGHT SOURCE

- 60,000 lumens 8000 K light engine
- Luminaire output: up to 40,000 lumens
- Colour temperature output: 6800 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 262° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 12 complementary colours

GOBOS

- 6 indexable rotating metallic gobos
- Adjustable-speed rotating gobo
- Image diameter: 25 mm

BARNDOORS

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 0% to 100% variable linear frost

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- 3 DMX modes (30 to 52 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,150 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 494 x 737 x 280 mm (l x h x d)
- Foam: 655 x 590 x 555 mm (l x h x d)

WEIGHT

- Product: 37.8 kg

PRODUCT CODE

- 010640: BORA S

**Lumens****31,000****Kelvin****6200****CRI****> 90****Zoom****8° - 64°**

BORA TC

Classical 6 Series

010650

AYRTON has developed BORA TC, its new feature-packed 750 W wash luminaire, using a radical approach. Its specific function is to establish the perfect atmosphere for your creative design. Fitted with a front 178 mm spherical lens, the proprietary optical system using 13 high-quality lenses was developed specifically for “wash” applications. It features an 8:1 zoom ratio for a wide zoom range from 8° to 64°. The optics produces an extremely uniform flat beam with no hot spot, ensuring a perfectly homogeneous colour mix regardless of the colour combination selected. Devised specifically for applications that require perfect colour reproduction, BORA TC is equipped with an entirely new LED module using a monochromatic light source calibrated at 7000 K with a native colour rendering index greater than 90, and extremely high TM30 readings. Wonderfully sleek and compact, BORA TC is example of meticulous workmanship.

Feature-rich from the factory, BORA TC includes a CMY colour mixing system, which, combined with a variable CTO and two wheels with six complementary colours each, produces an infinite palette of vivid pastels and saturated colours. The framing section allows accurate positioning of four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire’s position. BORA TC is also factory-equipped with a wheel holding six rotating gobos specially designed for wash-type applications, a variable linear frost and a 15-blade iris diaphragm. Like all AYRTON luminaires, BORA TC has a phase-change liquid cooling system using a heat pipe that includes a particularly effective silent ventilation mode. BORA TC is ideal for applications that call for impeccable colour reproduction, such as fashion shows or car shows.

OPTICS

- 13-element 8:1 zoom
- Beam aperture: 8° to 64°
- 178 mm front lens

LIGHT SOURCE

- 48,000 lumens 7000 K light engine
- Luminaire output: up to 31,000 lumens
- Colour temperature output: 6200 K
- CRI: greater than 90
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 262° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 12 complementary colours

GOBOS

- 6 indexable rotating metallic gobos
- Adjustable-speed rotating gobo
- Image diameter: 25 mm

BARNDOORS

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 0% to 100% variable linear frost

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- 3 DMX modes (30 to 52 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,150 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 494 x 737 x 280 mm (l x h x d)
- Foam: 655 x 590 x 555 mm (l x h x d)

WEIGHT

- Product: 37.8 kg

PRODUCT CODE

- 010650: BORA TC

**Lumens****18,000****Kelvin****6800****CRI****>70****Zoom****2° - 42°**

PERSEO BEAM

Classical IP65 6 Series

012470

PERSEO BEAM is the first compact, waterproof multi-function beam effect LED luminaire. Well-suited for use indoors as well as outdoors, the fixture is equipped with an ultra-intensive 2° beam and 21x zoom ratio, making it an extraordinary tool that will help you achieve some incredibly exciting effects. PERSEO BEAM is endowed with unprecedented graphic capability, offering a wide choice of 48 fixed and rotating gobos distributed on two wheels, including 28 glass gobos for the projection of high-definition images and 20 metal gobos specifically created to sculpt light in "beam" mode. These gobos can be blended with four individually combinable rotating prisms that allow you to produce a multitude of volumetric lighting effects. An RGB/CMY multi-layer gobo lets you generate dynamic multicolour effects. An effect-wheel with continuous rotation in both directions and two frost filters complete the PERSEO BEAM tool palette. Continuous rotation of the pan movement multiplies the possibilities for creating complex effects.

PERSEO BEAM is equipped with a highly innovative colour section including a CMY colour mixing system, a progressive linear CTO, an instant-access multi-position colour wheel supplied with four colour-temperature correction filters, and 13 complementary-colour filters on two concentric circles (patent pending). Fitted with a 168 mm front lens, the proprietary optical system uses 13 lenses, producing a zoom range of 2° to 42°. A brand new ultra-compact 450 W monochromatic LED emitter specially developed for long-distance applications can obtain a luminous flux of 18,000 lumens at a colour temperature of 6800 K operating at a steady state. PERSEO BEAM borrows from the same minimalist design as PERSEO PROFILE, incorporating all the waterproof features while being easily accessible and lightweight. The luminaire was designed and developed to operate in the most extreme conditions and resist hot or cold temperatures, rain, sand, dust. This new creation by AYRTON allows you full expression without constraints or limits in a style that is your own.

OPTICS

- 13-element 21:1 zoom
- Beam aperture: 2° to 42°
- 168 mm front lens

LIGHT SOURCE

- 25,000 lumens 9000 K light engine
- Luminaire output: up to 18,000 lumens
- Colour temperature output: 6800 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: infinite rotation (pan), 263° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 13 complementary colours

GOBOS

- 9 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- 19 fixed HD glass gobos
- 20 fixed metal gobos
- Image diameter (rotating): 12 mm

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 4 combinable rotating and indexable prisms

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 connectors
- IP65 powerCON TRUE1 TOP connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (29 to 42 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 700 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -20 °C (-4 °F)
- Minimum usage distance: 3 m (9.84 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 490 x 710 x 330 mm (l x h x d)
- Foam: 655 x 590 x 555 mm (l x h x d)

WEIGHT

- Product: 41.5 kg

PRODUCT CODE

- 012470: PERSEO BEAM

**Lumens****30,000****Kelvin****6900****CRI****>70****Zoom****7° - 58°**

PERSEO PROFILE S

Classical IP65 6 Series

012440

PERSEO PROFILE S is the first compact multi-function luminaire with an IP65 enclosure rating developed by AYRTON for intensive outdoor use. Equipped with a new 500 W ultra-compact monochromatic LED source calibrated at 8000 K, it can deliver metallic white light with an output of 30,000 lumens. AYRTON has specifically developed the optics in PERSEO PROFILE S to achieve an optimal resolution-to-performance-to-efficiency ratio. They allow perfect image reproduction and significant improvement from distortion caused by the shutter blades with wide zoom. The optics produce a highly uniform flat beam with no hot spot, achieving a perfect colour mix regardless of the colour combination selected. Fitted with a 148 mm front lens, this proprietary system has 13 lenses, delivering an 8:1 zoom ratio and a zoom range of 7° to 58°. AYRTON has endowed this next generation luminaire with a new minimalist design in lighter weight die-cast aluminium, incorporating full weather-proofing features that ensure easy accessibility. For greater efficiency, PERSEO PROFILE S is provided with a highly effective phase-change liquid cooling system fitted with four submersible fans located outside the watertight enclosure.

The ultimate in versatility, designed for multiple outdoor and indoor applications, PERSEO PROFILE S boasts feature-rich standard equipment including a subtractive CMY colour mixing system combined with a variable CTO and a wheel with six complementary colours that produces an infinite palette of vivid pastels and saturated colours. The framing section allows accurate positioning of four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. The image section includes 18 interchangeable HD glass gobos on two wheels: one rotating wheel with seven positions and one fixed wheel with eleven positions. The effects section includes a continuous dynamic effects wheel; a 15-blade iris diaphragm; two frost filters, one soft edge, one hard edge; and two rotating prisms, one circular with 5 facets and one linear with 4 facets. PERSEO PROFILE S presents a sleeker, updated, industrial design, with perfectly straightened yoke arms, a minimalist base and a new water-resistant menu navigation system. PERSEO PROFILE S can be controlled by DMX-RDM, ArtNet™ or a wireless link using CRMX TiMo RDM from LumenRadio™.

OPTICS

- 13-element 8:1 zoom
- Beam aperture: 7° to 58°
- 148 mm front lens

LIGHT SOURCE

- 40,000 lumens 8200 K light engine
- Luminaire output: up to 30,000 lumens
- Colour temperature output: 6900 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 263° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 6 complementary colours

GOBOS

- 7 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- 11 fixed HD glass gobos
- Image diameter: 22 mm

FRAMING SYSTEM

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 2 rotating and indexable prisms
- One 5-facet circular, one 4-facet linear

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 connectors
- IP65 powerCON TRUE1 TOP connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 4 DMX modes (38 to 61 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 800 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -20 °C (-4 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 490 x 710 x 330 mm (l x h x d)
- Foam: 655 x 590 x 555 mm (l x h x d)

WEIGHT

- Product: 38.8 kg

PRODUCT CODE

- 012440: PERSEO PROFILE S IP65
- 012442: PERSEO PROFILE S IP66

**Lumens****26,000****Kelvin****6500****CRI****> 90****Zoom****7° - 58°**

PERSEO PROFILE TC Classical IP65 6 Series

012450

PERSEO PROFILE TC is the first compact multi-function luminaire with an IP65 enclosure rating developed by AYRTON for intensive outdoor use. Equipped with a new 500 W ultra-compact monochromatic LED source calibrated at 7000 K, PERSEO PROFILE TC is specially designed for situations that require perfect colour rendition, has a native colour rendering index greater than 90 and very high TM30 readings. AYRTON has specifically developed the optics in PERSEO PROFILE TC to achieve an optimal resolution-to-performance-to-efficiency ratio. They allow perfect image reproduction and significant improvement from distortion caused by the shutter blades with wide zoom. The optics produce a highly uniform flat beam with no hot spot, achieving a perfect colour mix regardless of the colour combination selected. Fitted with a 148 mm front lens, this proprietary system has 13 lenses, delivering an 8:1 zoom ratio and a zoom range of 7° to 58°. AYRTON has endowed this next generation luminaire with a new minimalist design in lighter weight die-cast aluminium, incorporating full weather-proofing features that ensure easy accessibility. For greater efficiency, PERSEO PROFILE TC is provided with a highly effective phase-change liquid cooling system fitted with four submersible fans located outside the watertight enclosure.

The ultimate in versatility, designed for multiple outdoor and indoor applications, PERSEO PROFILE TC boasts feature-rich standard equipment including a subtractive CMY colour mixing system combined with a variable CTO and a wheel with six complementary colours that produces an infinite palette of vivid pastels and saturated colours. The framing section allows accurate positioning of four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. The image section includes 18 interchangeable HD glass gobos on two wheels: one rotating wheel with seven positions and one fixed wheel with eleven positions. The effects section includes a continuous dynamic effects wheel; a 15-blade iris diaphragm; two frost filters, one soft edge, one hard edge; and two rotating prisms, one circular with 5 facets and one linear with 4 facets. PERSEO PROFILE TC presents a sleeker, updated, industrial design, with perfectly straightened yoke arms, a minimalist base and a new water-resistant menu navigation system. PERSEO PROFILE TC can be controlled by DMX-RDM, ArtNet™ or a wireless link using CRMX TiMo RDM from LumenRadio™.

OPTICS

- 13-element 8:1 zoom
- Beam aperture: 7° to 58°
- 148 mm front lens

LIGHT SOURCE

- 34,000 lumens 7000 K light engine
- Luminaire output: up to 26,000 lumens
- Colour temperature output: 6500 K
- CRI: greater than 90
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 263° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 6 complementary colours

GOBOS

- 7 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- 11 fixed HD glass gobos
- Image diameter: 22 mm

FRAMING SYSTEM

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 2 rotating and indexable prisms
- One 5-facet circular, one 4-facet linear

EFFECTS

- Focusable graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 connectors
- IP65 powerCON TRUE1 TOP connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 4 DMX modes (38 to 61 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 800 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -20 °C (-4 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 490 x 710 x 330 mm (l x h x d)
- Foam: 655 x 590 x 555 mm (l x h x d)

WEIGHT

- Product: 38.8 kg

PRODUCT CODE

- 012450: PERSEO PROFILE TC IP65
- 012452: PERSEO PROFILE TC IP66

**Lumens****13,000****Kelvin****all****CRI****< 86****Zoom****4° - 56°**

ARGO 6 FX

019650

Multi Sources IP65 6 Series

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. This 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.

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

OPTICS

- 2 elements 14:1
- Beam aperture: 4° to 56°
- 19 x 50 mm truncated lenses
- 280 mm front lens cluster

LIGHT SOURCE

- 19 x 1,000 lumens RGB-W LED sources
- Luminaire output: up to 13,000 lumens
- CRI: up to 86
- Rated life (L70): up to 40,000 hours
- Flicker free sources

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt automatic repositioning
- Range: infinite pan & tilt

COLOURS

- Sophisticated 4 colours RGB-W mixed
- 4.29 billion colours (8-bit resolution)
- Virtual colour wheel
- Dynamic colour macro effect

EFFECTS

- 2D & 3D graphical effects capabilities
- Built-in pattern effects
- Pixel control
- LiquidEffect™

DIMMER/STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set functions
- Integrated LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 etherCON RJ45 connectors
- IP65 powerCON TRUE1 TOP connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode Local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (26 to 127 DMX channels)

POWER SUPPLY

- 100 to 240 Volts - 50/60 Hz
- Power: 950 W maximum

COOLING SYSTEM

- Advanced cooling system
- Self adjusting variable speed fans
- Selectable ventilation users modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium
- Base in die-cast aluminium
- Heatsinks in aluminium
- Moulded covers in ABS PC (VO class)
- Front window in Glass IK08 rated
- Two-sides handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum permitted: 45 °C (113 °F)
- Minimum permitted: -20 °C (-4 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573, FCC Part 15, Subpart B: 2018

SIZE

- Product: 436 x 536 x 280 mm (l x h x d)
- Foam: 485 x 560 x 350 mm (l x h x d)

WEIGHT

- Product: 23.2 kg

PRODUCT CODE

- 019650: ARGO 6 FX

**Lumens****13,000****Kelvin****all****CRI****< 86****Zoom****4° - 56°**

ARGO 6 WASH

Multi Sources IP65 6 Series

019640

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. This 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.

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

OPTICS

- 2 elements 14:1
- Beam aperture: 4° to 56°
- 19 x 50 mm truncated lenses
- 280 mm front lens cluster

LIGHT SOURCE

- 19 x 1,000 lumens RGB-W LED sources
- Luminaire output: up to 13,000 lumens
- CRI: up to 86
- Rated life (L70): up to 40,000 hours
- Flicker-free sources

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt automatic repositioning
- Range: 540° (pan), 270° (tilt)

COLOURS

- Sophisticated 4 colours RGB-W mixed
- 4.29 billion colours (8-bit resolution)
- Virtual colour wheel
- Dynamic colour macro effect

EFFECTS

- 2D & 3D graphical effects capabilities
- Built-in pattern effects
- Ring control

DIMMER/STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set functions
- IP65 XLR 5 pin connectors
- IP65 etherCON RJ45 connectors
- IP65 powerCON TRUE1 TOP connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (26 to 67 DMX channels)

POWER SUPPLY

- 100 to 240 Volts - 50/60 Hz
- Power: 950 W maximum

COOLING SYSTEM

- Advanced cooling system
- Self adjusting variable speed fans
- Selectable ventilation users modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium
- Base in die-cast aluminium
- Heatsinks in aluminium
- Moulded covers in ABS PC (VO class)
- Front window in Glass IK08 rated
- Two-sides handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum permitted: 45 °C (113 °F)
- Minimum permitted: -20 °C (-4 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573, FCC Part 15, Subpart B: 2018

SIZE

- Product: 436 x 536 x 280 mm (l x h x d)
- Foam: 485 x 560 x 350 mm (l x h x d)

WEIGHT

- Product: 23.2 kg

PRODUCT CODE

- 019640: ARGO 6 WASH

**Lumens****10,000****Kelvin****all****CRI****> 86****Zoom****3.5° - 53°**

NANDO 502 WASH Multi Sources IP65 6 Series

013420

NANDO 502 WASH is an incredibly compact luminaire for stage lighting, specially designed for mixed use, both indoors and outdoors, 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 W 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 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°. 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. 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.

OPTICS

- 2 elements 15:1 zoom
- Beam aperture: 3.5° to 53°
- 12 x 70 mm truncated lenses
- 210 mm front lens cluster

LIGHT SOURCE

- 12 x 1,200 lumens RGB-L LED source
- Total luminaire output: up to 10,000 lumens
- CRI: greater than 86
- Rated life (L70): up to 40,000 hours
- Flicker free sources

MOVEMENT

- Extremely accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt automatic repositioning
- Range: 540° pan & 270° tilt

COLOURS

- Sophisticated 4 colours RGB-L mixed
- 4.29 billion colours (8 bit resolution)
- Virtual colour wheel
- Virtual CTO wheel

EFFECTS

- 2D & 3D graphical effects capabilities
- Built-in pattern effects
- Pixel control

DIMMER/STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- Choice of 3 DMX modes (26 to 86 DMX channels)

POWER SUPPLY

- 100 to 240 Volts - 50/60Hz
- Power: 550 W maximum

COOLING SYSTEM

- Advanced cooling system
- Self adjusting variable speed fans
- Selectable ventilation modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-sides handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -20 °C (-4 °F)
- Minimum usage distance: 1 m (3.28 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

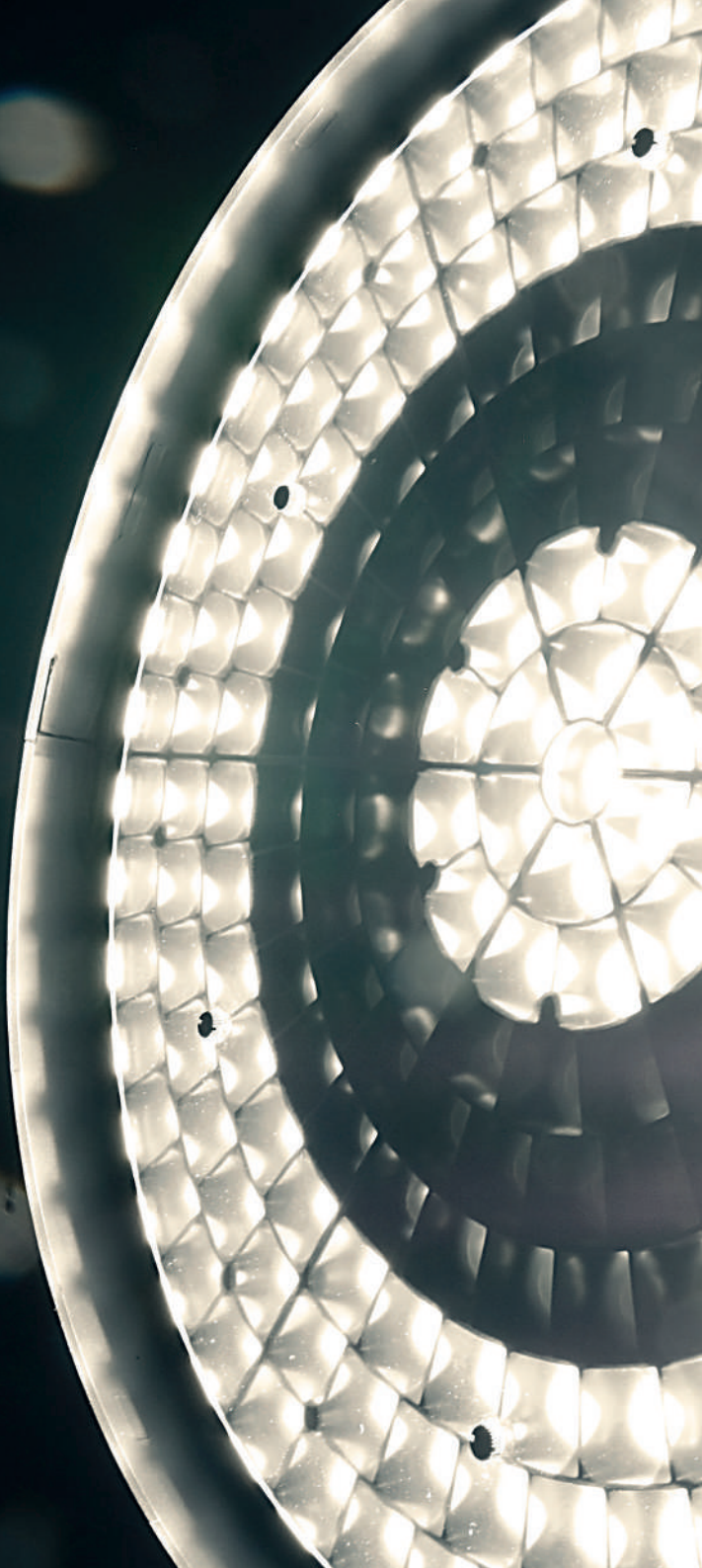
- Product: 342 x 467 x 268 mm (l x h x d)
- Foam: 395 x 480 x 335 mm (l x h x d)

WEIGHT

- Product: 14.5 kg

PRODUCT CODE

- 013420: NANDO 502 WASH



9 SERIES

CLASSICAL

HURACÁN LT

64-65

HURACÁN PROFILE S

66-67

HURACÁN PROFILE TC

68-69

HURACÁN WASH S

70-71

HURACÁN WASH ST

72-73

HURACÁN WASH TC

74-75

DOMINO LT

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DOMINO PROFILE S

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DOMINO PROFILE TC

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DOMINO WASH S

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DOMINO WASH ST

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DOMINO WASH TC

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MULTI SOURCES

WILD SUN K9 WASH

88-89

ZONDA 9 FX

90-91

ZONDA 9 WASH

92-93

**Lumens****51,000****Kelvin****6700****CRI****>70****Zoom****3.5° - 53°**

HURACÁN LT

Classical 9 Series

011870

HURACÁN LT is the first LED beam-wash luminaire in the brand new line of “LT” (Long Throw) products dedicated to long-range applications. To achieve an ultra-intense beam from a LED source, AYRTON has added 225 mm-diameter, extra-large front optics weighing 7 kg. The proprietary optical system has 13 lenses, delivering a 15:1 zoom ratio and a zoom range of 3.5° to 53°. Fitted with a next-generation, oversized liquid phase-change cooling system and a new high-efficiency 1000 W LED module, HURACÁN LT delivers record light output of 51,000 lumens at a colour temperature of 6700 K when operating at a steady state. Provided with multiple optical tools designed for shaping light, HURACÁN LT is factory-equipped with a removable high-transmission diffusion filter to erase the edge of the beam without changing its angle; a progressive linear frost system for precision adjustment of the desired diffusion level; a special filter for creating artificial wash effects; a de-focusable rotating beam-shaping optic; and two image-multiplying rotating prisms – one linear with four facets, and the other circular with five facets.

HURACÁN LT has adopted the same revolutionary complex colour mixing system as HURACÁN LT offering a double CMY saturation level that can obtain over a trillion colours (patent pending) and a triple corrector for variable colour temperature that allows subtle adjustment from 2700 K to 15000 K and significant CRI improvement. HURACÁN LT features an advanced framing section, which enables accurate positioning of four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire’s position. The effects section includes two superimposed rotating gobo wheels each with seven HD glass gobos; a 15-blade iris diaphragm; a monochromatic multi-position effects wheel for horizontal, vertical or axial scrolling for creating flame, water or radiant effects (patent pending) and a RGB and CMY effects wheel for unique multicolour effects. HURACÁN LT, which combines exceptional light power and an ultra-intense beam with standard equipment in a class by itself, is a formidable tool for large venues, such as arenas and stadiums dedicated to major events.

OPTICS

- 13-element 15:1 zoom
- Beam aperture: 3.5° to 53°
- 225 mm front lens

LIGHT SOURCE

- 75,000 lumens 8200 K light engine
- Luminaire output: up to 51,000 lumens
- Colour temperature output: 6700 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 262° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTB, CTO, CTP
- 6 complementary colours

GOBOS

- 14 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- Image diameter: 25 mm

FRAMING SYSTEM

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 60°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 2 rotating and indexable prisms
- One 5-facet circular, one 4-facet linear

EFFECTS

- Monochromatic multi-position graphic wheel
- Colour graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (44 to 70 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,470 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 3 m (9.84 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 494 x 867 x 280 mm (l x h x d)
- Foam: 745 x 550 x 660 mm (l x h x d)

WEIGHT

- Product: 53.8 kg

PRODUCT CODE

- 011870: HURACÁN LT

**Lumens****51,000****Kelvin****7000****CRI****>70****Zoom****6° - 60°**

HURACÁN PROFILE S

Classical 9 Series

011860

HURACÁN PROFILE S is a marvel of technology that brings exceptional light output to a standard-equipment luminaire in a class by itself – a formidable graphical tool for enhancing creativity. Fitted with a next-generation oversized cooling system and a high-efficiency 1000 W LED module, HURACÁN PROFILE S produces record output of 51,000 lumens at a colour temperature of 7000 K when operating at a steady state. For this exceptional luminaire, AYRTON has developed an entirely new complex colour mixing system with a double CMY saturation level capable of generating 281 trillion colours (patent pending). A triple variable colour temperature corrector allows subtle adjustment from 2700 K to 15000 K and offers noticeable CRI improvement. Designed to project complex graphical effects, HURACÁN PROFILE S boasts specifically developed optics that deliver an extremely uniform flat beam with no hot spot and reproduce high-definition images. The proprietary optical system, equipped with a 178 mm front lens, uses 13 lenses, producing an 10:1 zoom ratio and a zoom range of 6° to 60°.

HURACÁN PROFILE S offers an advanced framing section, which allows accurate positioning of four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. HURACÁN PROFILE S is provided with an amazingly complete graphical system with one 7-position wheel for interchangeable effects cassettes or gobos. The wheel is fitted with 5 rotating gobos and 2 effects cassettes that can create dynamic effects by superimposing two complementary inverted images in counter rotation (patent pending). A second interchangeable gobo wheel is equipped with 7 rotating gobos. A monochromatic multi-position effects wheel allows horizontal, vertical or axial scrolling for creating flame, water or radiant effects (patent pending). A multi-layer CMY wheel can generate multicolour effects. The gobos, cassettes and effects wheel are made of high-definition tempered glass. Additionally, standard features in HURACÁN PROFILE S include a 15-blade iris diaphragm, a light and a heavy frost filter, 2 rotating prisms, a 5-facet circular and a 4-facet linear prism. HURACÁN PROFILE S is the ultimate graphical tool for applications requiring power and refinement.

OPTICS

- 13-element 10:1 zoom
- Beam aperture: 6° to 60°
- 178 mm front lens

LIGHT SOURCE

- 75,000 lumens 8000 K light engine
- Luminaire output: up to 51,000 lumens
- Colour temperature output: 7000 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 262° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTB, CTO, CTP
- 6 complementary colours

GOBOS

- 2 indexable rotating double layer cassettes
- 12 indexable rotating HD glass gobos
- Adjustable-speed rotating cassette & gobo
- Image diameter: 25 mm

FRAMING SYSTEM

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 2 rotating and indexable prisms
- One 5-facet circular, one 4-facet linear

EFFECTS

- Monochromatic multi-position graphic wheel
- Colour graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (44 to 70 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,470 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 486 x 811 x 294 mm (l x h x d)
- Foam: 715 x 555 x 630 mm (l x h x d)

WEIGHT

- Product: 46 kg

PRODUCT CODE

- 011860: HURACÁN PROFILE S

**Lumens****33,900****Kelvin****6400****CRI****> 95****Zoom****6° - 60°**

HURACÁN PROFILE TC

Classical 9 Series

011865

HURACÁN PROFILE TC is a marvel of technology that brings exceptional light output to a standard-equipment luminaire in a class by itself – a formidable graphical tool for enhancing creativity. Devised specifically for applications that require perfect colour reproduction, HURACÁN PROFILE TC is equipped with an entirely new LED module using a light source calibrated at 6800 K with a native colour rendering index greater than 95, and extremely high TM30 readings. For this exceptional luminaire, AYRTON has developed an entirely new complex colour mixing system with a double CMY saturation level capable of generating 281 trillion colours (patent pending). A triple variable colour temperature corrector allows subtle adjustment from 2700 K to 9000 K and offers noticeable CRI improvement. Designed to project complex graphical effects, HURACÁN PROFILE TC boasts specifically developed optics that deliver an extremely uniform flat beam with no hot spot and reproduce high-definition images. The proprietary optical system, equipped with a 178 mm front lens, uses 13 lenses, producing an 10:1 zoom ratio and a zoom range of 6° to 60°.

HURACÁN PROFILE TC offers an advanced framing section, which allows accurate positioning of four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. HURACÁN PROFILE TC is provided with an amazingly complete graphical system with one 7-position wheel for interchangeable effects cassettes or gobos. The wheel is fitted with 5 rotating gobos and 2 effects cassettes that can create dynamic effects by superimposing two complementary inverted images in counter rotation (patent pending). A second interchangeable gobo wheel is equipped with 7 rotating gobos. A monochromatic multi-position effects wheel allows horizontal, vertical or axial scrolling for creating flame, water or radiant effects (patent pending). A multi-layer CMY wheel can generate multicolour effects. The gobos, cassettes and effects wheel are made of high-definition tempered glass. Additionally, standard features in HURACÁN PROFILE TC include a 15-blade iris diaphragm, a light and a heavy frost filter, 2 rotating prisms, a 5-facet circular and a 4-facet linear prism. Fitted with a next-generation oversized cooling system HURACÁN PROFILE TC is the ultimate graphical tool for applications requiring power and refinement.

OPTICS

- 13-element 10:1 zoom
- Beam aperture: 6° to 60°
- 178 mm front lens

LIGHT SOURCE

- 53,000 lumens 6800 K light engine
- Luminaire output: up to 33,900 lumens
- Colour temperature output: 6400 K
- CRI: greater than 95
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 262° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTB, CTO, CTP
- 6 complementary colours

GOBOS

- 2 indexable rotating double layer cassettes
- 12 indexable rotating HD glass gobos
- Adjustable-speed rotating cassette & gobo
- Image diameter: 25 mm

FRAMING SYSTEM

- 4 individual shutter blades
- Positionable on 100% of the surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 2 rotating and indexable prisms
- One 5-facet circular, one 4-facet linear

EFFECTS

- Monochromatic multi-position graphic wheel
- Colour graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (44 to 70 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,470 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 486 x 811 x 294 mm (l x h x d)
- Foam: 715 x 555 x 630 mm (l x h x d)

WEIGHT

- Product: 46 kg

PRODUCT CODE

- 011865: HURACÁN PROFILE TC

**Lumens****52,100****Kelvin****7000****CRI****>70****Zoom****6.2° - 75°**

HURACÁN WASH S

Classical 9 Series

011180

For the latest wash-type luminaire of the HURACÁN family, AYRTON has designed an entirely new Fresnel lens with an optical structure specially developed for use with framing barndoors, also favouring use with geometric gobos or ovalisation lenses, without constraints. A subtle progressive diffusion system allows the diffusion level to be adapted according to the application and accessories or optical elements used. The Fresnel lens also significantly improves the colour mix and can obtain 10% more light than when using a conventional Fresnel lens F.O.S.™. The proprietary optical system of HURACÁN WASH S delivers a 12:1 zoom ratio and a zoom range of 6.2° at half peak to 75° at one-tenth peak. This new luminaire adopts the complex colour mixing system of HURACÁN PROFILE, offering a double level of CMY saturation that can obtain 281 trillion colours and a triple corrector for variable colour temperature allowing subtle adjustment from 2700 K to 15000 K and significant CRI improvement. T.C.S.™ (patent pending).

HURACÁN WASH S introduces a brand new 1000 W monochromatic LED source specially developed for shows that need cooler metallic white light. This version offers a record luminous flux of 52,100 lumens, a colour temperature of 7,000 K and a CRI of 70. HURACÁN WASH S is factory-equipped with full features, including a framing section that allows accurate positioning of four barndoors on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. HURACÁN WASH S also offers a wheel of seven rotating gobos, a 15-blade iris diaphragm and a beam ovaliser filter. HURACÁN WASH S is an exceptional luminaire designed to satisfy the most demanding users.

OPTICS

- 13-element 12:1 zoom
- Beam aperture: 6.2° to 75°
- 210 mm Fresnel front lens

LIGHT SOURCE

- 80,000 lumens white light engine
- Luminaire output: up to 52,100 lumens
- Colour temperature output: 7000 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Extremely accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt automatic repositioning
- Range: 540° (pan), 260° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTB, CTO, CTP
- 6 complementary colours

GOBOS

- 7 indexable rotating HD glass gobo
- Adjustable-speed rotating gobo
- Image diameter: 25 mm

FRAMING SYSTEM

- 4 individually barndoors
- Positionable on 100% of surface area
- Rotation of module: +/- 60°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 0% to 100% variable linear frost

EFFECTS

- Colour graphic animation effect-wheel
- Indexable de-focusable rotating beam shaping optic
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode
- ArtNet™ & sACN protocol
- 3 DMX modes (39 to 61 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,470 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 3 m (9.84 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 494 x 788 x 294 mm (l x h x d)
- Foam: 715 x 555 x 630 mm (l x h x d)

WEIGHT

- Product: 42.5 kg

PRODUCT CODE

- 011880: HURACÁN WASH S

**Lumens****45,300****Kelvin****5800****CRI****> 80****Zoom****6.2° - 75°**

HURACÁN WASH ST

Classical 9 Series

011183

For the latest wash-type luminaire of the HURACÁN family, AYRTON has designed an entirely new Fresnel lens with an optical structure specially developed for use with framing barndoors, also favouring use with geometric gobos or ovalisation lenses, without constraints. A subtle progressive diffusion system allows the diffusion level to be adapted according to the application and accessories or optical elements used. The Fresnel lens also significantly improves the colour mix and can obtain 10% more light than when using a conventional Fresnel lens F.O.S.™. The proprietary optical system of HURACÁN WASH ST delivers a 12:1 zoom ratio and a zoom range of 6.2° at half peak to 75° at one-tenth peak. This new luminaire adopts the complex colour mixing system of HURACÁN PROFILE, offering a double level of CMY saturation that can obtain 281 trillion colours and a triple corrector for variable colour temperature allowing subtle adjustment from 2700 K to 15000 K and significant CRI improvement. T.C.S.™ (patent pending).

HURACÁN WASH ST introduces a brand new 1000 W monochromatic LED source specially developed for studio and theatre applications. This LED source delivers light output of 45,300 lumens and a D65 white point that allows perfect colour reproduction with a CRI greater than 80. HURACÁN WASH ST is factory-equipped with full features, including a framing section that allows accurate positioning of four barndoors on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. HURACÁN WASH ST also offers a wheel of seven rotating gobos, a 15-blade iris diaphragm and a beam ovaliser filter. HURACÁN WASH ST is an exceptional luminaire designed to satisfy the most demanding users.

OPTICS

- 13-element 12:1 zoom
- Beam aperture: 6.2° to 75°
- 210 mm Fresnel front lens

LIGHT SOURCE

- 68,000 lumens white light engine
- Luminaire output: up to 45,300 lumens
- Colour temperature output: 5800 K
- CRI: greater than 80
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Extremely accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 260° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTB, CTO, CTP
- 6 complementary colours

GOBOS

- 7 indexable rotating HD glass gobo
- Adjustable-speed rotating gobo
- Image diameter: 25 mm

FRAMING SYSTEM

- 4 individually barndoors
- Positionable on 100% of surface area
- Rotation of module: +/- 60°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 0% to 100% variable linear frost

EFFECTS

- Colour graphic animation effect-wheel
- Indexable de-focusable rotating beam shaping optic
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode
- ArtNet™ & sACN protocol
- 3 DMX modes (39 to 61 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,470 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety-cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 3 m (9.84 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 494 x 788 x 294 mm (l x h x d)
- Foam: 715 x 555 x 630 mm (l x h x d)

WEIGHT

- Product: 42.5 kg

PRODUCT CODE

- 011883: HURACÁN WASH ST

**Lumens****33,900****Kelvin****6000****CRI****>95****Zoom****6.2° - 75°**

HURACÁN WASH TC

Classical 9 Series

011185

For the latest wash-type luminaire of the HURACÁN family, AYRTON has designed an entirely new Fresnel lens with an optical structure specially developed for use with framing barndoors, also favouring use with geometric gobos or ovalisation lenses, without constraints. A subtle progressive diffusion system allows the diffusion level to be adapted according to the application and accessories or optical elements used. The Fresnel lens also significantly improves the colour mix and can obtain 10% more light than when using a conventional Fresnel lens F.O.S.™. The proprietary optical system of HURACÁN WASH TC delivers a 12:1 zoom ratio and a zoom range of 6.2° at half peak to 75° at one-tenth peak. This new luminaire adopts the complex colour mixing system of HURACÁN PROFILE, offering a double level of CMY saturation that can obtain 281 trillion colours and a triple corrector for variable colour temperature allowing subtle adjustment from 2700 K to 15000 K and significant CRI improvement. T.C.S.™ (patent pending).

HURACÁN WASH TC introduces a brand new 1000 W monochromatic LED source specially developed for applications requiring perfect colour rendering. This version offers a CRI greater than 95 with extremely high TM30 values and a colour temperature of 6000 K. HURACÁN WASH TC is factory-equipped with full features, including a framing section that allows accurate positioning of four barndoors on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. HURACÁN WASH TC also offers a wheel of seven rotating gobos, a 15-blade iris diaphragm and a beam ovaliser filter. HURACÁN WASH TC is an exceptional luminaire designed to satisfy the most demanding users.

OPTICS

- 13-element 12:1 zoom
- Beam aperture: 6.2° to 75°
- 210 mm Fresnel front lens

LIGHT SOURCE

- 49,000 lumens white light engine
- Luminaire output: up to 33,900 lumens
- Colour temperature output: 6000 K
- CRI: greater than 95
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Extremely accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 260° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTB, CTO, CTP
- 6 complementary colours

GOBOS

- 7 indexable rotating HD glass gobo
- Adjustable-speed rotating gobo
- Image diameter: 25 mm

FRAMING SYSTEM

- 4 individually barndoors
- Positionable on 100% of surface area
- Rotation of module: +/- 60°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 0% to 100% variable linear frost

EFFECTS

- Colour graphic animation effect-wheel
- Indexable de-focusable rotating beam shaping optic
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode
- ArtNet™ & sACN protocol
- 3 DMX modes (39 to 61 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,470 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety-cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 3 m (9.84 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 494 x 788 x 294 mm (l x h x d)
- Foam: 715 x 555 x 630 mm (l x h x d)

WEIGHT

- Product: 42.5 kg

PRODUCT CODE

- 011885: HURACÁN WASH TC

**Lumens****51,000****Kelvin****6700****CRI****>70****Zoom****3.5° - 53°**

DOMINO LT

Classical IP65 9 Series

012670

DOMINO LT is the first all-terrain LED luminaire in the "LT" (Long Throw) range designed for intensive outdoor use in long-distance applications requiring high precision. To create this extreme luminaire unrivalled on the market, AYRTON has used "XXL" 225 mm-diameter front optics weighing 7 kg that can obtain an ultra-intensive beam. The proprietary optical system has 13 lenses, delivering a 15:1 zoom ratio and a zoom range of 3.5° to 53°. DOMINO LT was developed to cope with the most extreme conditions, able to acclimate to all types of environments and endure rapid climate change. For this purpose, DOMINO LT has borrowed from the style and minimalist design of DOMINO PROFILE, incorporating full weather-proofing features while ensuring total accessibility to the luminaire's internal functions. With its new die-cast aluminium frame, the luminaire uses the same base, reducing its visual footprint to a minimum. For greater efficiency, DOMINO LT has a highly effective next-generation, oversized cooling system fitted with six submersible fans outside its weatherproof enclosure.

Equipped with an all-new high-efficiency 1,000 W LED module, DOMINO LT delivers a record luminous flux of 51,000 lumens at a colour temperature of 6700 K. DOMINO LT adopts the complex colour mixing system of HURACÁN PROFILE, offering a double level of CMY saturation that can obtain 281 trillion colours (patent pending) and a triple corrector for variable colour temperature that allows subtle adjustment from 2700 K to 15000 K and significant CRI improvement. Fitted with multiple optical tools for shaping light, DOMINO LT is factory-equipped with a linear progressive frost system, a lightweight frost filter, and two image-multiplying rotating prisms: one is linear with four facets and the other is circular with five facets. The framing section enables precise positioning of each shutter blade on a 100% surface area. The effects section includes two superimposed rotating gobo wheels each with seven gobos, a 15-blade iris diaphragm, a monochromatic multi-position effects wheel, and an RGB and CMY effects wheel for unique multicolour effects. DOMINO LT is a unique luminaire designed to face the most extreme conditions... It is the ultimate tool for stadiums and large arenas.

OPTICS

- 13-element 15:1 zoom
- Beam aperture: 3.5° to 53°
- 225 mm front lens

LIGHT SOURCE

- 75,000 lumen 8200 K light engine
- Luminaire output: up to 51,000 lumens
- Colour temperature output: 6700 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt automatic repositioning
- Range: 540° (pan), 263° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 6 complementary colours

GOBOS

- 14 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- Image diameter: 25 mm

FRAMING SYSTEM

- 4 individual shutter blades
- Positionable on 100% surface area
- Rotation of the module: +/- 60°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 2 rotating and indexable prisms
- One 5-facet circular, one 4-facet linear

EFFECTS

- Monochromatic multi-position graphic wheel
- Colour graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 connectors
- IP65 powerCON TRUE1 TOP connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (44 to 70 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,600 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton made of die-cast aluminium
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -20 °C (-4 °F)
- Minimum usage distance: 3 m (9.84 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 490 x 884 x 330 mm (l x h x d)
- Foam: 765 x 665 x 555 mm (l x h x d)

WEIGHT

- Product: 60 kg

PRODUCT CODE

- 012670: DOMINO LT

**Lumens****51,000****Kelvin****7000****CRI****>70****Zoom****6° - 60°**

DOMINO PROFILE S Classical IP65 9 Series

012640

A new member of AYRTON's IP65 multi-function luminaire family designed for intensive outdoor use, DOMINO PROFILE S is a marvel of technology that combines extraordinary light power with full-featured standard equipment. Equipped with an entirely new 1000 W monochromatic high-efficiency LED emitter calibrated at 8000 K, DOMINO PROFILE S can deliver powerful metallic white light with record output of 51,000 lumens at a colour temperature of 7000 K, when operating at a steady state. Designed around the exceptional optics of HURACÁN PROFILE, this luminaire was specifically developed to achieve an optimal resolution-to-performance-to-efficiency ratio. These optics deliver an extremely uniform flat beam with no hot spot and reproduce high-definition images impeccably. Fitted with a 178 mm front lens, the proprietary optical system uses 13 lenses, producing a 10:1 zoom ratio and a zoom range of 6° to 60°. Designed to operate in the most extreme situations, DOMINO PROFILE S can resist hot or cold temperatures, wind, rain, hail, salt fog, sand and dust. It can withstand arid environments, heavy rainfall, and sudden climatic variations.

AYRTON has included all the weatherproofing features of PERSEO PROFILE S in this new IP65 luminaire and given it the same minimalist design. With its new high-efficiency power supply and die-cast aluminium frame, the luminaire uses the same base design in a reduced visual footprint. For maximum effectiveness, DOMINO PROFILE S has a liquid cooling system fitted with six submersible fans outside its weatherproof enclosure. Feature-rich from the factory, DOMINO PROFILE S includes a subtractive CMY colour mixing system combined with a variable CTO and a wheel with six complementary colours. The framing section allows accurate positioning of each shutter blade on a 100% surface area. The image section includes 14 interchangeable HD glass gobos on two wheels. The effects section contains two continuous dynamic effect-wheels, a CMY multi-layered wheel for creating multi-coloured effects, a standard monochromatic effect-wheel, a 15-blade iris diaphragm, two frost filters (one for light and one for heavy diffusion), two rotating prisms (one circular with 5 facets and one linear with 4 facets). DOMINO PROFILE S is The Master of the Elements, ready for the most extreme conditions.

OPTICS

- 13-element 10:1 zoom
- Beam aperture: 6° to 60°
- 178 mm front lens

LIGHT SOURCE

- 75,000 lumen 8000 K light engine
- Luminaire output: up to 51,000 lumens
- Colour temperature output: 7000 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt automatic repositioning
- Range: 540° (pan), 263° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 6 complementary colours

GOBOS

- 14 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- Image diameter: 25 mm

FRAMING SYSTEM

- 4 individual shutter blades
- Positionable on 100% surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 2 rotating and indexable prisms
- One 5-facet circular, one 4-facet linear

EFFECTS

- Monochromatic multi-position graphic wheel
- Colour graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 connectors
- IP65 powerCON TRUE1 TOP connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (44 to 66 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,800 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton made of die-cast aluminium
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -20 °C (-4 °F)
- Minimum usage distance: 3 m (9.84 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 490 x 841 x 330 mm (l x h x d)
- Foam: 715 x 665 x 555 mm (l x h x d)

WEIGHT

- Product: 52 kg

PRODUCT CODE

- 012640: DOMINO PROFILE S IP65
- 012642: DOMINO PROFILE S IP66

**Lumens****36,400****Kelvin****6500****CRI****> 90****Zoom****6° - 60°**

DOMINO PROFILE TC Classical IP65 9 Series

012645

A new member of AYRTON's IP65 multi-function luminaire family designed for intensive outdoor use, DOMINO PROFILE TC is a marvel of technology that combines extraordinary light power with full-featured standard equipment. Equipped with an entirely new 1000 W monochromatic high-efficiency LED emitter calibrated at 7000 K, DOMINO PROFILE TC is specially designed for situations that require perfect colour rendition, has a native colour rendering index greater than 90 and very high TM30 readings. Designed around the exceptional optics of HURACÁN PROFILE, this luminaire was specifically developed to achieve an optimal resolution-to-performance-to-efficiency ratio. These optics deliver an extremely uniform flat beam with no hot spot and reproduce high-definition images impeccably. Fitted with a 178 mm front lens, the proprietary optical system uses 13 lenses, producing a 10:1 zoom ratio and a zoom range of 6° to 60°. Designed to operate in the most extreme situations, DOMINO PROFILE TC can resist hot or cold temperatures, wind, rain, hail, salt fog, sand and dust. It can withstand arid environments, heavy rainfall, and sudden climatic variations.

AYRTON has included all the weatherproofing features of PERSEO in this new IP65 luminaire and given it the same minimalist design. With its new high-efficiency power supply and die-cast aluminium frame, the luminaire uses the same base design in a reduced visual footprint. For maximum effectiveness, DOMINO PROFILE TC has a liquid cooling system fitted with six submersible fans outside its weatherproof enclosure. Feature-rich from the factory, DOMINO PROFILE TC includes a subtractive CMY colour mixing system combined with a variable CTO and a wheel with six complementary colours. The framing section allows accurate positioning of each shutter blade on a 100% surface area. The image section includes 14 interchangeable HD glass gobos on two wheels. The effects section contains two continuous dynamic effect-wheels, a CMY multi-layered wheel for creating multi-coloured effects, a standard monochromatic effect-wheel, a 15-blade iris diaphragm, two frost filters (one for light and one for heavy diffusion), two rotating prisms (one circular with 5 facets and one linear with 4 facets). DOMINO PROFILE TC is The Master of the Elements, ready for the most extreme conditions.

OPTICS

- 13-element 10:1 zoom
- Beam aperture: 6° to 60°
- 178 mm front lens

LIGHT SOURCE

- 56,000 lumens 7000 K light engine
- Luminaire output: up to 36,400 lumens
- Colour temperature output: 6500 K
- CRI: greater than 90
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt automatic repositioning
- Range: 540° (pan), 263° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTO
- 6 complementary colours

GOBOS

- 14 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- Image diameter: 25 mm

FRAMING SYSTEM

- 4 individual shutter blades
- Positionable on 100% surface area
- Rotation of the module: +/- 45°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 2 frost filters: one light, one heavy

PRISMS

- 2 rotating and indexable prisms
- One 5-facet circular, one 4-facet linear

EFFECTS

- Monochromatic multi-position graphic wheel
- Colour graphic animation effect-wheel
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 connectors
- IP65 powerCON TRUE1 TOP connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (44 to 66 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,800 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton made of die-cast aluminium
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -20 °C (-4 °F)
- Minimum usage distance: 3 m (9.84 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 490 x 841 x 330 mm (l x h x d)
- Foam: 715 x 665 x 555 mm (l x h x d)

WEIGHT

- Product: 52 kg

PRODUCT CODE

- 012645: DOMINO PROFILE TC IP65
- 012652: DOMINO PROFILE TC IP66

**Lumens****52,000****Kelvin****7000****CRI****>70****Zoom****6.2° - 75°**

DOMINO WASH S

Classical IP65 9 Series

012880

For its first IP65 wash fixture developed for outdoor use, AYRTON has chosen a 210 mm Fresnel lens with a specific optical structure designed to accurately adapt the diffusion level according to your requirements. This optical combination that favours the use of framing shutter blades or geometric gobos significantly improves colour mix and can produce 10% more light than with a classic Fresnel lens F.O.S.™. DOMINO WASH S introduces a brand new 1000 W monochromatic LED source specially developed for shows that need cooler metallic white light, this version offers a record luminous flux of 52,000 lumens, a colour temperature of 7000 K and a CRI of 70. The proprietary optical system of DOMINO WASH S delivers a 12:1 zoom ratio and a zoom range of 6.2° at half peak to 75° at one-tenth peak.

This new luminaire adopts the complex colour mixing system of HURACÁN WASH, offering a double level of CMY saturation that can obtain 281 trillion colours and a triple corrector for variable colour temperature, allowing subtle adjustment from 2700 K to 15000 K and significant CRI improvement T.C.S.™. DOMINO WASH S is factory-equipped with full features, including a framing section that allows accurate positioning of four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. DOMINO WASH S is also equipped with a wheel of seven rotating glass gobos, a 15-blade iris diaphragm and an CMY & RGB animation wheel. DOMINO WASH S has a liquid cooling system fitted with six submersible fans outside its weatherproof enclosure. An all-terrain luminaire developed for resisting hot or cold weather, wind, rain, hail, sand, dust, DOMINO WASH S aims to create unprecedented, incomparable and simply stunning atmospheres. This professional smart luminaire is geared for concerts, performing arts, theme parks, and film shoots. Together with DOMINO PROFILE and DOMINO LT, DOMINO WASH completes an exceptional trilogy.

OPTICS

- 13-element 12:1 zoom
- Beam aperture: 6.2° to 75°
- 210 mm Fresnel front lens

LIGHT SOURCE

- 80,000 lumens white light engine
- Luminaire output: up to 52,000 lumens
- Colour temperature output: 7000 K
- CRI: greater than 70
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 270° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTB, CTO, CTP
- 6 complementary colours

GOBOS

- 7 indexable rotating gobo
- Adjustable-speed rotating gobo
- Image diameter: 25 mm

FRAMING SYSTEM

- 4 individually barndoors
- Positionable on 100% surface area
- Rotation of the module: +/- 90°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 0% to 100% variable linear frost

EFFECTS

- Colour graphic animation effect-wheel
- Indexable de-focusable rotating beam shaping optic
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 connectors
- IP65 powerCON TRUE1 TOP connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (37 to 61 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,600 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton made of die-cast aluminium
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn routing points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -20 °C (-4 °F)
- Minimum usage distance: 3 m (9.84 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 490 x 821 x 330 mm (l x h x d)
- Foam: 715 x 665 x 555 mm (l x h x d)

WEIGHT

- Product: 52 kg

PRODUCT CODE

- 012880: DOMINO WASH S IP65
- 012882: DOMINO WASH S IP66

**Lumens**

45,000

Kelvin

5800

CRI

> 80

Zoom

6.2° - 75°



DOMINO WASH ST

Classical IP65 9 Series

012883

For its first IP65 wash fixture developed for outdoor use, AYRTON has chosen a 210 mm Fresnel lens with a specific optical structure designed to accurately adapt the diffusion level according to your requirements. This optical combination that favours the use of framing shutter blades or geometric gobos significantly improves colour mix and can produce 10% more light than with a classic Fresnel lens F.O.S.™. DOMINO WASH ST introduces a brand new 1000 W monochromatic LED source specially developed for studio and theatre applications. This LED source delivers light output of 45,000 lumens and a D65 white point that allows perfect colour reproduction with a CRI greater than 80. The proprietary optical system of DOMINO WASH ST delivers a 12:1 zoom ratio and a zoom range of 6.2° at half peak to 75° at one-tenth peak.

This new luminaire adopts the complex colour mixing system of HURACÁN WASH, offering a double level of CMY saturation that can obtain 281 trillion colours and a triple corrector for variable colour temperature, allowing subtle adjustment from 2700 K to 15000 K and significant CRI improvement T.C.S.™. DOMINO WASH ST is factory-equipped with full features, including a framing section that allows accurate positioning of four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. DOMINO WASH ST is also equipped with a wheel of seven rotating glass gobos, a 15-blade iris diaphragm and an CMY & RGB animation wheel. DOMINO WASH ST has a liquid cooling system fitted with six submersible fans outside its weatherproof enclosure. An all-terrain luminaire developed for resisting hot or cold weather, wind, rain, hail, sand, dust, DOMINO WASH ST aims to create unprecedented, incomparable and simply stunning atmospheres. This professional smart luminaire is geared for concerts, performing arts, theme parks, and film shoots. Together with DOMINO PROFILE and DOMINO LT, DOMINO WASH completes an exceptional trilogy.

OPTICS

- 13-element 12:1 zoom
- Beam aperture: 6.2° to 75°
- 210 mm Fresnel front lens

LIGHT SOURCE

- 68,000 lumens white light engine
- Luminaire output: up to 45,000 lumens
- Colour temperature output: 5800 K
- CRI: greater than 80
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 270° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTB, CTO, CTP
- 6 complementary colours

GOBOS

- 7 indexable rotating gobo
- Adjustable-speed rotating gobo
- Image diameter: 25 mm

FRAMING SYSTEM

- 4 individually barndoors
- Positionable on 100% surface area
- Rotation of the module: +/- 90°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 0% to 100% variable linear frost

EFFECTS

- Colour graphic animation effect-wheel
- Indexable de-focusable rotating beam shaping optic
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 connectors
- IP65 powerCON TRUE1 TOP connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (37 to 61 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,600 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton made of die-cast aluminium
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn routing points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -20 °C (-4 °F)
- Minimum usage distance: 3 m (9.84 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 490 x 821 x 330 mm (l x h x d)
- Foam: 715 x 665 x 555 mm (l x h x d)

WEIGHT

- Product: 52 kg

PRODUCT CODE

- 012883: DOMINO WASH ST IP65
- 012884: DOMINO WASH ST IP66

**Lumens****33,900****Kelvin****6000****CRI****> 95****Zoom****6.2° - 75°**

DOMINO WASH TC

Classical IP65 9 Series

012885

For its first IP65 wash fixture developed for outdoor use, AYRTON has chosen a 210 mm Fresnel lens with a specific optical structure designed to accurately adapt the diffusion level according to your requirements. This optical combination that favours the use of framing shutter blades or geometric gobos significantly improves colour mix and can produce 10% more light than with a classic Fresnel lens F.O.S.™. DOMINO WASH TC introduces a brand new 1000 W monochromatic LED source specially developed for applications requiring perfect colour rendering. This version offers a CRI greater than 95 with extremely high TM30 values and a colour temperature of 6000 K. The proprietary optical system of DOMINO WASH TC delivers a 12:1 zoom ratio and a zoom range of 6.2° at half peak to 75° at one-tenth peak.

This new luminaire adopts the complex colour mixing system of HURACÁN WASH, offering a double level of CMY saturation that can obtain 281 trillion colours and a triple corrector for variable colour temperature, allowing subtle adjustment from 2700 K to 15000 K and significant CRI improvement T.C.S.™. DOMINO WASH TC is factory-equipped with full features, including a framing section that allows accurate positioning of four shutter blades on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. DOMINO WASH TC is also equipped with a wheel of seven rotating glass gobos, a 15-blade iris diaphragm and an RGB & CMY animation wheel. DOMINO WASH TC has a liquid cooling system fitted with six submersible fans outside its weatherproof enclosure. An all-terrain luminaire developed for resisting hot or cold weather, wind, rain, hail, sand, dust, DOMINO WASH TC aims to create unprecedented, incomparable and simply stunning atmospheres. This professional smart luminaire is geared for concerts, performing arts, theme parks, and film shoots. Together with DOMINO PROFILE and DOMINO LT, DOMINO WASH completes an exceptional trilogy.

OPTICS

- 13-element 12:1 zoom
- Beam aperture: 6.2° to 75°
- 210 mm Fresnel front lens

LIGHT SOURCE

- 49,000 lumens white light engine
- Luminaire output: up to 33,900 lumens
- Colour temperature output: 6000 K
- CRI: greater than 95
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 270° (tilt)

COLOURS

- Sophisticated CMY colour mixing
- Variable CTB, CTO, CTP
- 6 complementary colours

GOBOS

- 7 indexable rotating gobo
- Adjustable-speed rotating gobo
- Image diameter: 25 mm

FRAMING SYSTEM

- 4 individually barndoors
- Positionable on 100% surface area
- Rotation of the module: +/- 90°

IRIS DIAPHRAGM

- 15-blade iris diaphragm
- Range: 15% to 100% open

FROST

- 0% to 100% variable linear frost

EFFECTS

- Colour graphic animation effect-wheel
- Indexable de-focusable rotating beam shaping optic
- Continuous rotation in both directions

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 connectors
- IP65 powerCON TRUE1 TOP connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (37 to 61 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,600 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton made of die-cast aluminium
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn routing points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -20 °C (-4 °F)
- Minimum usage distance: 3 m (9.84 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 490 x 821 x 330 mm (l x h x d)
- Foam: 715 x 665 x 555 mm (l x h x d)

WEIGHT

- Product: 52 kg

PRODUCT CODE

- 012885: DOMINO WASH TC IP65
- 012886: DOMINO WASH TC IP66

**Lumens****63,000****Kelvin****5700****CRI****> 92****Zoom****10° - 60°**

WILDSUN K9 WASH

Multi Sources 9 Series

013940

The new WILDSUN K9 WASH is a highly evolved variant of the WILDSUN K25 TC, specially geared to shooting TV video and broadcasting in high-definition. With a brand new sleek design and a visual footprint 21% smaller, its weight has been drastically reduced by 26%, allowing for better integration. This unique LED luminaire measures up to the classic Fresnel HMI 4000 lights in terms of pure output. Fitted with 217 next-generation high-output LEDs, the luminaire delivers more than 60,000 lumens of overall output with 40% less energy consumption. No lamp replacement is necessary. Producing extremely high-quality light without flickering, this luminaire achieves a colour temperature perfectly calibrated at 5700 K and a colour rendering index greater than 92. WILDSUN K9 WASH is particularly suitable for sporting events, fashion shows, car shows, or any prestigious events requiring powerful, high-quality light and perfectly rendered colour.

WILDSUN K9 WASH is a powerhouse of technology and innovation. With the same basic specifications as WILDSUN K25 TC, it is equipped with powerful tri-phase stepper motors that allow fast, accurate and silent positioning. AYRTON developed special silicone-based high-output optics for this projector, ensuring perfect stability over time. Its optical zoom has a 6:1 ratio with a zoom range of 10° to 60°. Luminous intensity can be fine-tuned using a precision electronic dimmer, for even greater flexibility of use. The light fixture output is equipped with a protective holographic filter in polycarbonate and an honeycomb system to prevent glare. The user can control each concentric circle individually to adjust the luminaire's power accordingly or create dynamic effects for stage lighting.

OPTICS

- 1 element 6:1 zoom
- Beam aperture: 10° to 60°
- 217 individual lenses
- 384 mm front lenses cluster

LIGHT SOURCE

- 217 mono-chip High-Power LED sources
- Total luminaire output: up to 63,000 lumens
- CRI: greater than 92
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution 8- or 16-bit
- Smooth movement
- Pan and tilt automatic repositioning
- Range: 540° (pan), 270° (tilt)

COLOURS

- Monochromatic daylight source 5,700K

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode
- ArtNet™ & sACN protocol
- 3 DMX modes (14 to 30 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60Hz
- Power: 1,500 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- Self-adjusting variable speed fans
- Selectable ventilation modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers ABS PC (V0 class)
- Two-sides handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum permitted: 45 °C (113 °F)
- Minimum permitted: -10 °C (-4 °F)
- Minimum usage distance: 3 m (9.84 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 530 x 625 x 280 mm (l x h x d)
- Foam: 580 x 611 x 345 mm (l x h x d)

WEIGHT

- Product: 26.9 kg

PRODUCT CODE

- 013940: WILDSUN K9 WASH

**Lumens****25,000****Kelvin****all****CRI****< 86****Zoom****4° - 56°**

ZONDA 9 FX

Multi Sources 9 Series

013750

ZONDA 9 FX is the first luminaire in a new family of products devised for stage lighting, equipped with a high-performance 40 W LED source with RGB-W additive colour synthesis. This fixture offers a proprietary optical system consisting of a wide dial of 37 lenses in PMMA, 384 mm in diameter, combined with 37 glass light guides with an output surface made of an optical micro-structure. This LED/optical system combination can produce powerful light output of 25,000 lumens and a perfectly homogeneous mixture of pastel and saturated colours, regardless of the colour mix chosen. The perfectly crisp separation between the light sources helps to reinforce the level of contrast. Endowed with a 50 mm truncated transmitting lens with an optical surface equivalent to that of a 70 mm round lens, ZONDA 9 FX can obtain a highly intensive beam with a zoom ratio of 14:1 and a wide zoom range of 4° to 56°.

A new optimised cooling system, simplified lens guidance systems, and ever smarter design of the internal structure have made it possible to reduce the size and weight of the luminaire considerably Slim-21™. ZONDA 9 FX is a versatile fully-equipped luminaire designed for a multitude of applications. It borrows from the main features of the WASH version and offers infinite continuous rotation on the pan & tilt axes I.R.S.™. Individual control of each LED allows you to achieve 3D volumetric effects. ZONDA 9 FX can produce a high-definition liquid effect from between its main lenses to create complex graphic effects LiquidEffect™. This effect can be used alone or in combination with the main LED matrix. ZONDA 9 FX is a marvel of technology geared for creativity.

OPTICS

- 2-element 14:1 zoom
- Beam aperture: 4° to 56°
- 37 x 50 mm truncated lenses
- 384 mm front lens cluster

LIGHT SOURCE

- 37 x 1,000 lumens RGB-W LED source
- Luminaire output: up to 25,000 lumens
- CRI: up to 86
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: infinite pan & tilt rotation

COLOURS

- Sophisticated 4 colours RGB-W mixed
- 4.29 billion colours (8-bit resolution)
- Virtual colour wheel
- Dynamic colour macro effect

EFFECTS

- 2D & 3D graphical effects capabilities
- Built-in pattern effects
- Pixel control
- LiquidEffect™

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (26 to 199 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,400 W maximum

COOLING SYSTEM

- Advanced cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 3 m (9.84 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 530 x 625 x 280 mm (l x h x d)
- Foam: 580 x 611 x 345 mm (l x h x d)

WEIGHT

- Product: 29.2 kg

PRODUCT CODE

- 013750: ZONDA 9 FX

**Lumens****25,000****Kelvin****all****CRI****< 86****Zoom****4° - 56°**

ZONDA 9 WASH

Multi Sources 9 Series

013740

ZONDA 9 WASH is the first luminaire in a new family of products devised for stage lighting, equipped with a high-performance 40 W LED source with RGB-W additive colour synthesis. This fixture offers a proprietary optical system consisting of a wide dial of 37 lenses in PMMA, 384 mm in diameter, combined with 37 glass light guides with an output surface made of an optical micro-structure. This LED/optical system combination can produce powerful light output of 25,000 lumens and a perfectly homogeneous mixture of pastel and saturated colours, regardless of the colour mix chosen. The perfectly crisp separation between the light sources helps to reinforce the level of contrast. Endowed with a 50 mm truncated transmitting lens with an optical surface equivalent to that of a 70 mm round lens, ZONDA 9 WASH can obtain a highly intensive beam with a zoom ratio of 14:1 and a wide zoom range of 4° to 56°.

A new optimised cooling system, simplified lens guidance systems, and ever smarter design of the internal structure have made it possible to reduce the size and weight of the luminaire considerably Slim-21™. ZONDA 9 WASH is a radical luminaire intended for stage lighting in the true sense. The careful colour mixing of the sources allows for perfect colour reproduction. You can control each concentric circle to adjust the size of the emitting surface and the luminaire's power. A complete library of pre-programmed colours created in collaboration with lighting designers is instantly accessible. A silent ventilation mode was specially developed for this fixture. ZONDA 9 WASH is a marvel of technology geared for creativity.

OPTICS

- 2-element 14:1 zoom
- Beam aperture: 4° to 56°
- 37 x 50 mm truncated lenses
- 384 mm front lens cluster

LIGHT SOURCE

- 37 x 1,000 lumens RGB-W LED source
- Luminaire output: up to 25,000 lumens
- CRI: up to 86
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: 540° (pan), 270° (tilt)

COLOURS

- Sophisticated 4 colours RGB-W mixed
- 4.29 billion colours (8-bit resolution)
- Virtual colour wheel
- Dynamic colour macro effect

EFFECTS

- 2D & 3D graphical effects capabilities
- Built-in pattern effects
- Ring control

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- Clicking jog wheel to set functions
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connector

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (26 to 54 DMX channels)

POWER SUPPLY

- 120 to 240 Volts – 50/60 Hz
- Power: 1,400 W maximum

COOLING SYSTEM

- Advanced cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Base in die-cast aluminium
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Eight ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 3 m (9.84 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15, Subpart B: 2018

SIZE

- Product: 530 x 625 x 280 mm (l x h x d)

WEIGHT

- Product: 29.2 kg

PRODUCT CODE

- 013740: ZONDA 9 WASH





CREATIVE SOLUTION

MAGICBLADE FX

96-97

MINIPANEL FX

98-99

MAGICPANEL FX

100-101

LASER SOURCE

 **KYALAMI**

102-103

**Lumens**

4,200

Kelvin

-

CRI

< 86

Beam

3.6° - 53°



MAGICBLADE FX

Creative Solution

015350

The versatile MAGICBLADE FX is an exciting new iteration of AYRTON's award-winning MAGICBLADE R, which has been sold by the thousands for use on major musical tours worldwide. This new MAGICBLADE is equipped with the revolutionary FX optical zoom system that has no visible moving parts and a fixed transmitting lens. With a 15:1 zoom ratio, the beam angle of this proprietary system ranges from 3.6° to 53°. It features seven squared 65 mm transmitting lenses, each with an equivalent optical surface to a round lens with an 80 mm diameter that is combined with an ultra-powerful, low-etendue, LED emitter, enabling MAGICBLADE FX to project intense beams to help create 3D volumetric effects.

The MAGICBLADE FX has seven next-generation RGB-W high-output LEDs that can be individually controlled to create airborne virtual scenery or to illuminate sets and performers. The crisp, clean separation between LED sources permits designers to develop innovative graphic effects. An onboard library of pre-programmed effects and colour macros can be combined with console driven control in various display modes. MAGICBLADE FX has extended serial connectivity and can be controlled DMX-512 w/ RDM, ArtNet™, sACN or a wireless link with CRMX TiMo RDM from LumenRadio™.

OPTICS

- 2-element 15:1 zoom
- Beam aperture: 3.6° to 53°
- 7 x 65 mm squared lenses

LIGHT SOURCE

- 7 x 1,000 lumens RGB-W LED source
- Luminaire output: up to 4,200 lumens
- Luminous intensity: 579,600 cd
- CRI: up to 86
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: infinite pan & tilt rotation

COLOURS

- Sophisticated 4 colours RGB-W mixed
- 4.29 billion colours (8 bit resolution)
- Virtual colour wheel
- Dynamic colour macro effect

EFFECTS

- 2D & 3D graphical effects capabilities
- Built-in pattern effects

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 6 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (19 to 46 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 400 W maximum

COOLING SYSTEM

- Advanced cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 1.5 m (4.92 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573

SIZE

- Product: 612 x 312 x 191 mm (l x h x d)
- Foam: 677 x 370 x 250 mm (l x h x d)

WEIGHT

- Product: 13 kg

PRODUCT CODE

- 015350: MAGICBLADE FX

**Lumens****2,400****Kelvin****-****CRI****< 86****Beam****3.6° - 53°**

MINIPANEL FX

015450

Creative Solution

MINIPANEL FX is a versatile new multi-function and multi-use luminaire that combines the same main features and essential components as the MAGICPANEL FX, in an ultra compact format. Fitted with four squared 65 mm lenses, the proprietary optical zoom system ensures a 15:1 zoom ratio, with a wide range of 3.6° to 53°. The crisp separation between the beams that enhances contrast, combined with an optical system using no visible moving parts and a stationary transmitting lens, offers new possibilities for creating graphical effects. Effects capabilities can be coupled with beam, wash or matrix applications to produce superb results whether performing in front of the audience or camera.

Highly compact, light, ultra-fast and powerful, MINIPANEL FX is equipped with four new low-etendue 30 W RGB-W multi-chip LED emitters paired with a high-efficiency optical system. The fixture offers an overall luminous flux of 2,400 lumens and a centre-beam luminous intensity of 331,200 candelas for an overall consumption of only 200 W. The continuous, unlimited, rotation on pan and tilt, first introduced on the legendary MAGICPANEL 602 in 2013, is standard. MINIPANEL FX is equipped with extended serial connectivity and can be controlled via DMX-RDM or a wireless link using CRMX TiMo RDM from LumenRadio™.

OPTICS

- 2-element 15:1 zoom
- Beam aperture: 3.6° to 53°
- 4 x 65 mm squared lenses

LIGHT SOURCE

- 4 x 1,000 lumens RGB-W LED source
- Luminaire output: up to 2,400 lumens
- Luminous intensity: 331,200 cd
- CRI: up to 86
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: infinite pan & tilt rotation

COLOURS

- Sophisticated 4 colours RGB-W mixed
- 4.29 billion colours (8 bit resolution)
- Virtual colour wheel
- Dynamic colour macro effect

EFFECTS

- 2D & 3D graphical effects capabilities
- Built-in pattern effects

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 6 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- 3 DMX modes (19 to 34 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 220 W maximum

COOLING SYSTEM

- Advanced cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Omega ¼ turn brackets
- Two ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 1.5 m (4.92 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573

SIZE

- Product: 285 x 397 x 220 mm (l x h x d)
- Foam: 340 x 425 x 275 mm (l x h x d)

WEIGHT

- Product: 8.9 kg

PRODUCT CODE

- 015450: MINIPANEL FX

**Lumens**

13,500

Kelvin

-

CRI

< 86

Beam

3.6° - 53°



MAGICPANEL FX

Creative Solution

015670

MAGICPANEL FX is the exciting new multi-function, multi-use luminaire descended from the renowned MAGICPANEL R. With a revolutionary new optical zoom system that has no visible moving parts and a stationary transmitting lens, this proprietary system has a 15:1 zoom ratio with a range of 3.6° to 53°. The front face of MAGICPANEL FX is comprised of a 5 x 5 array of squared lenses with perfectly isolated emitters – which offer exciting new possibilities for creating 2D graphical effects. Each of the 25 squared 65 mm output lenses have an optical surface equivalent to that of an 80 mm round lens, combined with an ultra-powerful, low-etendue, LED emitter. MAGICPANEL FX produces an extremely powerful beam capable of creating extraordinarily new 3D volumetric effects.

With 900 W of total power, the versatile MAGICPANEL FX has 25 next-generation RGB-W high-power LED emitters and an active phase-change liquid cooling system using a heat pipe for intensive use in “wash light” mode. The continuous, unlimited, rotation on pan and tilt, first introduced on the legendary MAGICPANEL 602 in 2013, is standard. MAGICPANEL FX has serial connectivity and can be controlled using DMX-RDM, ArtNet™, sACN or wireless CRMX TiMo RDM by LumenRadio™.

OPTICS

- 2-element 15:1 zoom
- Beam aperture: 3.6° to 53°
- 25 x 65 mm squared lenses

LIGHT SOURCE

- 25 x 1,000 lumens RGB-W LED source
- Luminaire output: up to 13,500 lumens
- Luminous intensity: 2,070,000 cd
- CRI: up to 86
- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: infinite pan & tilt rotation

COLOURS

- Sophisticated 4 colours RGB-W mixed
- 4.29 billion colours (8 bit resolution)
- Virtual colour wheel
- Dynamic colour macro effect

EFFECTS

- 2D & 3D graphical effects capabilities
- Built-in pattern effects

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 6 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- XLR 5 pin connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- 3 DMX modes (19 to 118 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 1,000 W maximum

COOLING SYSTEM

- Advanced cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 2 m (6.56 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573

SIZE

- Product: 486 x 641 x 307 mm (l x h x d)
- Foam: 569 x 672 x 367 mm (l x h x d)

WEIGHT

- Product: 28.7 kg

PRODUCT CODE

- 015670: MAGICPANEL FX

**Lux at 10 m****400,000****Kelvin****9000****CRI****> 70****Beam****1°**

KYALAMI

Laser Source IP65 Creative Solution

014042

In 2015, AYRTON launched the revolutionary MAGICDOT, an exceptional and utterly creative luminaire that sold by the thousands within months, earning numerous awards worldwide. Nine years later, with solid experience in making laser source luminaires, AYRTON has developed KYALAMI, the first phosphor laser source luminaire in its Creative Solution series based on the MAGICDOT concept. The essential performance capability of KYALAMI is based on its unique design, extreme miniaturization, and a minimalist cylindrical footprint that allows multiple luminaires to be installed only a few centimetres apart. A sphere of only 265 mm incorporates its 100 W laser module with a cooling system and optics. KYALAMI offers a next generation speckle-free laser source designed for rendering a D65 white point that allows perfect colour reproduction. It pushes all the limits when it comes to beam definition, with native contrast never before achieved by a digital light source, an incredible 1° beam angle, and an extreme range of focus that permits the beam shape to be adjusted according to the operating distance.

A 126 mm front lens positioned in the continuity of the sphere provides KYALAMI with a unique visual signature. The proprietary three-lens optical system produces an intensive 1° beam, delivering a record luminous flux of 400,000 lux at 10 m. KYALAMI is provided with a highly innovative colour section including a high-definition progressive CMY colour mixing system and a multi-position instant access colour wheel equipped with five corrective filters, and 17 complementary colour filters. KYALAMI has unrivalled graphics capability, offering a wide choice of 29 fixed metal gobos designed to sculpt light in "beam" mode. These gobos can be blended with two individually combinable rotating prisms allowing you to produce a multitude of volumetric lighting effects. A light and heavy frost filter complete the graphic tool palette. KYALAMI adopts a minimalist style due to simplified waterproofing and the continuous rotation of the pan and tilt movement, increasing the possibilities for generating complex effects and making this luminaire a universal tool capable of meeting any challenge in all conditions. This new ultra-compact luminaire devised for architectural graphic effects offers incredible creative potential.

OPTICS

- 3-element optic system
- Beam aperture: 1°
- Fast motorised linear focus

LIGHT SOURCE

- Luminous flux: 400,000 lux at 10 m
- Colour temperature output: 9000 K
- CRI: greater than 70
- Rated life (L70): up to 12,000 hours
- Speckle-free source

MOVEMENT

- Highly accurate positioning
- Resolution 8- or 16-bit
- Smooth movement
- Pan and tilt automatic repositioning
- Range: infinite pan and tilt rotation

COLOURS

- Sophisticated CMY colour mixing
- 5 colours temperature correction
- 17 complementary colours

GOBOS

- 29 fixed metal gobos
- Image diameter: 3 mm

FROST

- 2 frost filters: one light, one heavy

EFFECTS

- 2 combinable rotating and indexable prisms
- One 8-facet circular, one 5-facet linear

DIMMER / STROBE

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES

- Graphic LCD display with flip function
- 5 menu buttons to set functions
- Integrated wireless LumenRadio™ receiver
- IP65 XLR 5 pin connectors
- IP65 RJ45 IN/OUT connectors
- IP65 PowerCON TRUE1 Top IN/OUT connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- Stand-alone mode, local control panel
- ArtNet™ & sACN protocol
- Footprint of 33 DMX channels

POWER SUPPLY

- 100 to 240 Volts – 50/60Hz
- Power: 200 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium
- Base in die-cast aluminum
- Heatsinks in aluminium and copper
- Moulded covers ABS PC (V0 class)
- Tow handles for transportation
- Four heavy-duty feet
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -20 °C (-4 °F)
- Minimum usage distance: 15 m (49.21 ft.)

COMPLIANCE

- EEMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety: UL 1573 & FCC Part 15: 2020-f

SIZE

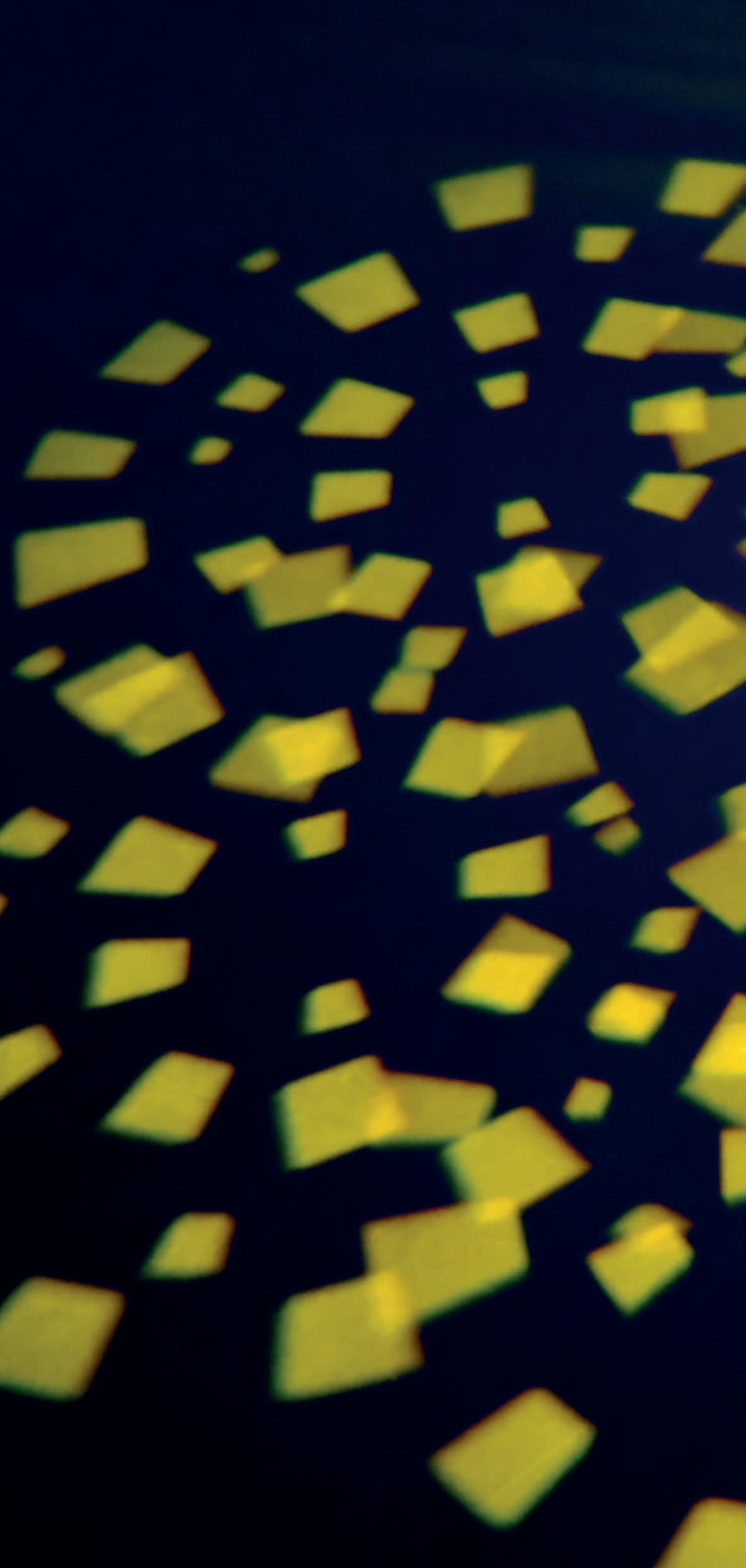
- Product: 265 x 430 x 265 mm (l x h x d)
- Foam: 320 x 460 x 320 mm (l x h x d)

WEIGHT

- Product: 14.5 kg

PRODUCT CODE

- 014042: KYALAMI





TECHNICAL

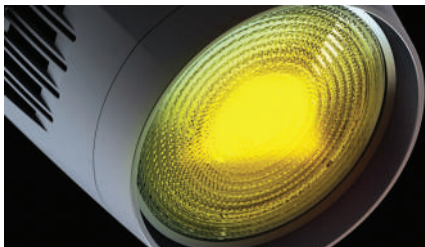
AYRTON +
106-115

SMART SUFFIXES
116-117

GOBOS COLLECTION
118-121

**GOBOS ON AYRTON'S
LUMINAIRES**
122-127

**TECHNICAL
SPECIFICATIONS**
128-143



F.O.S.™: Fresnel Optimization System

A 13-element zoom system fitted with an optically structured Fresnel output lens specially developed for using framing shutter blades, geometric gobos, or an ovalization lens

without the constraints associated with this type of lens. A subtle progressive diffusion system allows the level of diffusion to be adapted according to the application and accessories or optical elements used. The F.O.S. system also significantly improves colour mix and can obtain 10% more light than when using a conventional Fresnel lens. (04.2022)



XT-Focus™

Extreme focus range for powerful laser sources with ultra-intensive beams of under 1°. This optical system allows you to adjust the shape of the beam according to the distance of use or to

the destination where you want to project the effect. Two lines always intersect at a point located at infinity if they are parallel – the so-called “point at infinity”. The apparent size of an object is inversely proportional to its distance from the point of observation. The extreme range of focus for this type of source can solve this problem over long distances. (03.2022)



CrowdScan™

Intelligent shutter system for a moving-head projector beam controlled on a defined path when moving on pan & tilt. This intelligent protection system prevents the audience from glare or

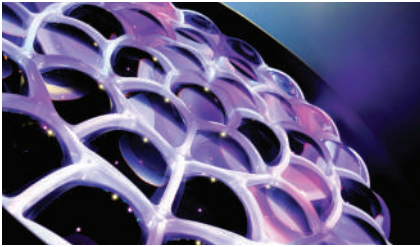
nearby fragile scenery from potential damage. The system allows you to define the illumination exclusion zone(s) for each luminaire during programming. During playback of the sequences, the light will automatically be cut off when the beam(s) pass(es) through the exclusion zone(s). This system can also define the luminaires’ perimeter of use with precision. (01.2022)



Slim-21™

Miniaturisation and luminaire weight-reduction programme. The use of new lighter, stronger materials and the design of smarter internal structures have helped reduce weight

significantly. Our new high-efficiency power supplies with 33% less volume, optimised cooling systems, new lower-density glass optics, simplified lens guidance systems, and brand new miniaturized stepper motors all contribute to the final result. (12.2020)



LiquidEffect™

High-definition liquid effect fitted between the main lenses of the luminaire used for creating complex graphic effects. Using RGB signalling LEDs, equipped with a black enclosure and

internal reflector, provides a greater level of contrast. The 6 mm space between pixels guarantees quality diffusion of the liquid effect. To send light through the system, the guide's convergent profile channels all the light to the output surface between lenses. Its shape prevents any leakage of light to the main lenses. (FR Patent N° 2006942) (07.2020)



LT-Optic™

A complex 13-element optical system dedicated to long-distance applications that was specifically developed to achieve an optimal resolution-to-performance-to-efficiency ratio, adapted

for this use without significant loss of definition. The system is fitted with an extra-wide frontal lens that can achieve a minimum projection angle of 0.6° to 3.5° and a zoom ratio from 15x to 42x depending on the luminaire, its size, and its ultimate use. The use of new glass optics with reduced density ensures the equilibrium of the luminaire. (06.2020)



2D-ColorWheel™

Wheel with fixed colour filters spread over several concentric circles allowing instant access to each colour. The number of colours available depends on the size of the wheel and each filter. One of

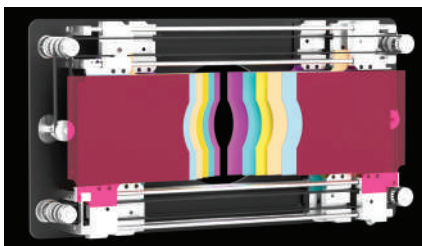
the circles can be used to obtain a continuous “rainbow” effect with a choice of bright and saturated colours particularly suited to this purpose. A CMY subtractive colour change system can also be included as standard equipment. Using several colour wheels of this type together allows you to multiply the colour combinations. (FR Patent N° 1910122) (09.2019)



2D-GoboWheel™

Glass or metal wheel, fixed or rotating, spread over several concentric circles with instant access to each gobo. The number of gobos available depends on the size of the wheel and the

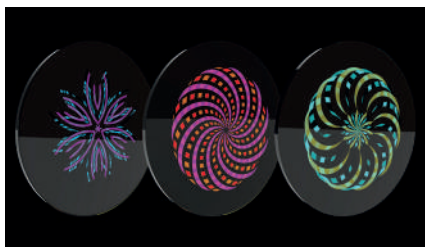
diameter of each gobo. It is possible to use one or more circles to achieve any number of continuous animation effects. Using several wheels of this type together, you can multiply the combinations of gobos or animation effects. Cassettes with monochromatic or multicoloured geometric effects can be used on one of the wheels of the rotating gobos. (FR Patent N° 1910122) (09.2019)



**T.C.S.™:
Trillion Colour System**

Complex miniaturized subtractive colour mixing system with a double level of colour saturation theoretically capable of reproducing 281 trillion colours. The second level

of CMY saturation lets you generate amazing, faded pastel colours. This system is equipped with double CTB & CTO correction that allows subtle adjustment of the colour temperature from 2700 K to 15000 K. The progressive CTP correction filter also noticeably improves the CRI. This six-colour mixing system lets you reproduce special colours that are impossible to create with the classic four-colour mixing system. (FR Patent Pending) (03.2019)



FX-K7™:
Effect Cassette

Cassette with monochromatic or multicoloured geometric effects that allow you to project spectacular animated patterns. Each cassette consists of

two layers of glass, one of which is fixed and the other rotating. Each of the two layers of glass works in a complementary way with colour and graphic effects. The simplified mechanical design of the effects cassette allows you to create your own custom cassettes. You can also combine two inverted, identical standard gobos placed slightly off-centre in a cassette to produce amazing effects. (FR Patent N° 1903390) (03.2019)



Multi-FX™:
Multi-Effect System

An animation wheel made of glass or metal, monochromatic or multicolour, with multiple positions over 100% of the surface. This system allows horizontal, vertical,

or axial scrolling to create realistic flame, water, or radiation effects. You can gradually transition from one effect to another and achieve complex image movement by separately managing the two motors of the system for rotation and translation. Using the two animation wheels together enables you multiply the potential combination of effects. (FR Patent N° 1903412, CN Patent Pending, EP Patent Pending, US Patent Pending) (09.2019)



SunProtect-65™

An intelligent protection system for luminaires intended for outdoor use. This advanced system protects the interior of IP65+ luminaires from the sun's rays regardless of their installation position.

All our moving-head fixtures for outdoor use are equipped with a standard sensor that helps to determine the luminaire's position in space. Protection is activated when the control signal is interrupted. In this case, the luminaire's light output is automatically oriented towards the ground to avoid damage. (06.2019)



ColdProtect-65™

An intelligent protection system for luminaires intended for outdoor use. The heating system protects electronic and mechanical components from temperatures below -10 °C (14 °F). This allows

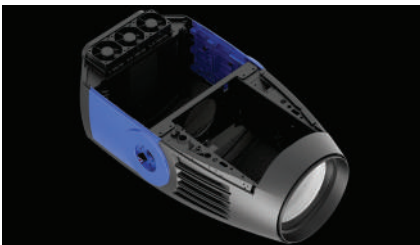
IP65+ luminaires to be used outdoors at temperatures reaching -20 °C (-4 °F). Moving-head fixtures intended for outdoor use are equipped with a standard sensor that allows measurement of the temperature in real time and adjustment of the internal temperature. This system considerably optimizes the service life of the mechanical and electronic parts. (04.2019)



EasyProtect-65™

Next generation waterproof luminaire that presents a minimalist design in injected aluminium, incorporating full weather protection features with simplified interior

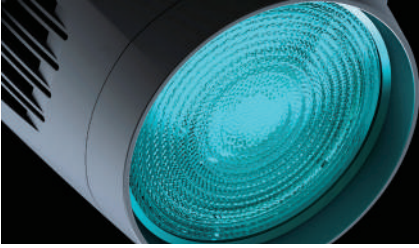
access to the product. The new mechanical design of the covers has reduced their thickness and significantly decreased their weight. Placing the pan & tilt motors in the base and head of the luminaire avoids the constraint of sealing the arms. A new submersible ventilation system in a non-waterproof compartment allows for optimal cooling. (02.2019)



IntelliSide™

Technically designed sides in multi-function cast aluminium, intelligently combining a decorative outer wall and an internal technical structure in a single piece. All these features are thereby

concentrated into a reduced volume. This solution incorporates high-precision fastening, positioning and stiffening components for improved quality of assembly, excellent replicability, and increased strength. This intelligent structure serves as a basis for the development of complex products that require high precision. (03.2018)



UltraWash™

Optical system with an ultra-compact LED module and low geometric etendue, a unique light guide, and Fresnel lens with an optical texture that can obtain 10% more light than with a

conventional lens. Its optics/source assembly has been specially developed to ensure a perfectly homogeneous colour mix regardless of the colour blend selected. This optical combination is ideal for use with a lens or a beam ovalizer filter that is particularly suited to this type of application. Using a single source transmitting lens eliminates the multiple shadows projected. (01.2017)



SquarePix™

Proprietary zoom optics with a square transmitting lens, offering the features of a round lens with a 20% greater diameter that can generate a much more intensive beam. This revolutionary

optical system works with no visible moving parts and without movement of the front panel. The square transmitting lens offers a particular advantage for the manufacture of linear, square, or rectangular luminaires. This format helps to optimise the light output side and prevents lost space between the beams. (FR Patents N° 1652938,1652944, US Patents N° 10648647, 10724708) (04.2016)



UltraBurst™

Ultra-powerful graphic strobe luminaire with a square matrix of very high-efficiency LEDs capable of continuous, unlimited, rotation on pan and tilt. The duration, speed and intensity of each pixel

can be individually controlled to create breathtaking effects. The original design of this luminaire lets you create large graphic screens with no visible structure. The standardized size of the LED matrix allows you to assemble hybrid screens and use different units from the product family in combination. (FR Patent N° 1652997) (04.2016)



Multi-IRS™

Multi-rotation, multi-axis, multi-element, multi-shape conceptual luminaire that allows full control of each parameter. Each moving element with a cubic, spherical, cylindrical, or

other shape that is capable of unlimited continuous rotation can be fitted with several individual fixtures equipped with LED sources, themselves operating in unlimited continuous rotation. Each of the ultra-powerful RGB-W LED sources, whose components have a small geometric etendue, is individually controllable. The continuous rotation of the pan and tilt movement is controlled by powerful tri-phase stepper motors that allow fast, accurate and silent positioning. (FR Patent N° 1652988) (04.2016)



UltraBeam™

Exclusive revolutionary new 126 mm diameter collimation optics. Weighing 550 grams, this new high-efficiency optical system is the world's largest collimator on the market. This lens

combined with a 4 mm² RGB-W LED source pushes the limits of technology even further with a 2° beam and a light intensity of 580 candelas per lumen – six times more efficient than with the previous 94 mm version. This new lens combined with an ultra-powerful RGB-W LED source makes it possible to create ultra-intensive, coloured beams without resorting to a complex mechanical system. (11.2015)



TwinFace™

Multiple double-sided hybrid luminaire. It can be equipped with a video images side, a volumetric 3D light effect side, a strobe side, a blinder side, a mirror side, or a custom side depending

on the type of use. Capable of continuous double rotation on the pan and tilt axes, it permits successive alternation and combination of two different effects. The standardization of the LED matrix size permits hybrid screens to be assembled to allow you to use different luminaires in combination and push the limits of creativity. (FR Patent N° 1552691) (03.2015)



CoolPix™

Individual cooling system for one or more LED sources that evacuates the air at the edges of the optics while preventing any pollution. This device allows the efficient cooling of the LED sources on the

total emission surface of the luminaire whatever its shape – spherical, cubic, or linear – without distorting the effect. This system also makes it possible to carry away the ambient fog around each light source by reinforcing materialization of the beams. According to the type of sources and the power to be dissipated, the system can be active, with heat transfer fluid, or simply passive. (FR Patent N° 1552488) (03.2015)



IntelliTube™

Minimalist cylindrical design combined with continuous double rotation on the pan & tilt axes, allowing the user to create groups of luminaires and control each light emitter individually in all

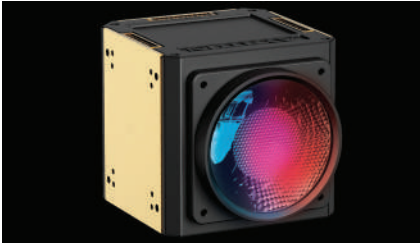
directions. The assembly with the optical, mechanical and movement features must fit into a single cylindrical space that allows for a few millimetres' minimum distance between fixtures and permits sophisticated configurations that are unprecedented. The separate control of each luminaire in a group offers an infinite possibility of effects. (FR Patent N° 1552489) (03.2015)



2D-Net™

Reliable and secure Ethernet connection system between luminaires not requiring the use of external switches. For luminaires that use many channels, an integrated internal

switch allows fast multi-protocol Ethernet communication via ArtNet™, sACN and others. This internal solution avoids distributing the signal in a star layout, which is cable-intensive and unreliable. The system is equipped with protection that disconnects the internal switch in the event of a power failure and ensures continuity of the signal to the luminaire. (04.2013)



A.C.S.™: Additive Colour Synthesis

Complex additive colour mixing system with three sides and three, four, five or six colours. The classic version with the three primary colours, RGB, lets you determine the

colour triangle according to the wavelengths of each group of LEDs. The choice of wavelengths for the sources must favour the brightness/saturation ratio. Each RGB side can accommodate a complementary colour to increase light performance at the expense of colour space. This additive mixing system achieves colours that are more intense and up to six times brighter than a subtractive mixing system with a white source. (03.2013)



I.R.S.™: Infinite Rotation System

Infinite rotation system on pan/tilt or pan & tilt. Based on a robotic multi-circuit rotating power and signal connector, it provides the electrical link between the different

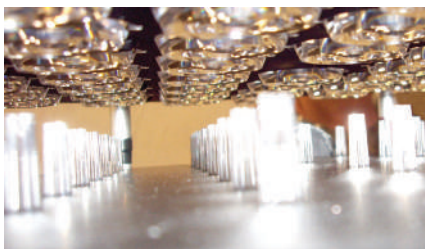
moving components without loss of information. Rotating connectors are the electromechanical devices that ensure an electrical connection between a fixed part (stator) and a rotating part (rotor). They are used in the case of multi-turn rotation of the rotor around the stator, where transmission by cable would be impossible. (FR Patent N° 1252482) (03.2012)



SilentPower™

Passive liquid phase-change cooling system with no fan, called a heat pipe. At the end of the heat pipe located near the element to be cooled, the liquid fluid vaporizes by absorbing thermal energy emitted by the LEDs. Steam then circulates in the heat pipe to the other end located at a heat sink where it condenses to return to a liquid state. Condensation permits the transfer of thermal energy. This system allows for intensive use in extreme conditions. It is indispensable in places where absolute silence is required. (09.2010)

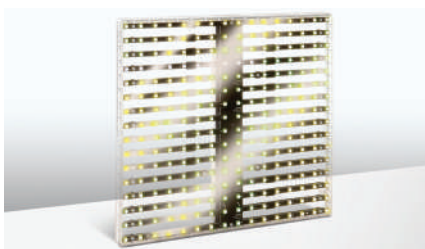
emitted by the LEDs. Steam then circulates in the heat pipe to the other end located at a heat sink where it condenses to return to a liquid state. Condensation permits the transfer of thermal energy. This system allows for intensive use in extreme conditions. It is indispensable in places where absolute silence is required. (09.2010)



O.B.M.™:
Optical Beam Mixer

Multifunction mono-block optical system in PMMA for collimating four individual LED sources with a concentration pyramid and an integrated mixing and

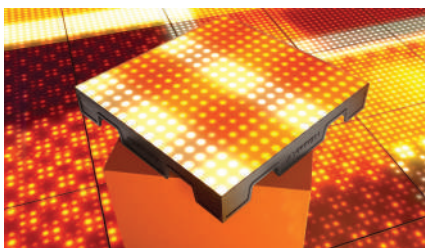
homogenization light guide. This device collects the light emitted by four separate RGB-W light sources. The light thus collected is concentrated into the pyramid and then sent to the light guide which mixes and homogenizes the four light sources. The multi-faceted output surface of the light guide ensures a perfect colour mix and helps to project a homogeneous image. (FR Patent N° 0951860) (03.2009)



CrystalProtect-65™

Semi-transparent modular LED imaging screen designed for creating special effects. The body of the video tile is made of highly resistant and exceptionally transparent polycarbonate with a V-0

protection rating. Robust, lightweight, and easy to install, it has been designed for both indoor and outdoor use. An optional frame system is provided to allow the video screen tiles to be quickly assembled and installed as a suspended screen. The colour calibration system of each pixel achieves perfect uniformity across the entire screen. (03.2009)



Imag'in™

Load transfer system for a floor screen whose internal structure is specifically designed to support heavy loads on the glass tile without altering the projected image. The exclusive

broadcasting system allows a full view of the screen at a 170° angle. Designed for broadcasting graphic animation, it can also display video images when the total surface of the screen permits. The resolution of the system can create a screen of up to 32 m x 24 m screen, with a total area of 768 m². This system can support a total distributed load of 1,280 kg per square meter. (FR Patent N° 0503355) (04.2005)

SMART SUFFIXES

LUMINAIRE TYPES:



ULTRA BEAM

Multi-function laser source effects luminaire with ultra-intensive beam of less than 1° without a framing system.



BEAM

Multi-function LED source effects luminaire with ultra-intensive beam of less than 3° without a framing system.



LT

Profile-type multi-function LED source luminaire with an intensive beam of less than 4° for long-distance applications, equipped with a framing system.



SPOT

Classic spot-type multi-function LED source luminaire with a wide spectrum of use without a framing system.



PROFILE

Classic profile-type multi-function LED source luminaire with a wide spectrum of use without a framing system.



WASH

Wash-type multi-function LED source luminaire with a Fresnel lens and a wide spectrum of use equipped with a framing system, or wash-type multi-source without a framing system.



FX

A multi-function single or multiple LED source effects luminaire with an ultra-intensive beam of less than 5° without a framing system.

LIGHT SOURCES:



S - STAGE

The suffix "S" identifies luminaires designed for stage applications. They are equipped with a LED module that uses a monochromatic light source with extremely high output, producing an ultra-powerful metallic white light at a colour temperature of 7000 K.



ST - STUDIO

The suffix "ST" identifies luminaires intended for studio applications. They are fitted with a daylight-type monochromatic LED source calibrated at 5800 K.



TC - TRUE COLOUR

The suffix "TC" includes fixtures designed for applications requiring perfect colour reproduction. They are equipped with an LED module using a monochromatic light source with a native colour rendering index greater than 90, extremely high TM30 values and a colour temperature of 6000 K.



CS - COLOUR SYNTHESIS

The suffix "CS" pertains to moving-head fixtures using high-efficiency additive colour synthesis. Based principally on use with the three primary colours, red, green and blue (RGB), the CS designation can include other colours depending on the specific type of fixture.

AYRTON GOBOS COLLECTION



001 - Ayrton Logo



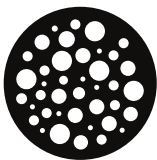
004 - Big Eye



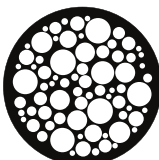
006 - Organic



018 - Nested Triangle



024 - Bubble Light



025 - Bubble



026 - Hard Rain



032 - Iron Ball



039 - Infinite Stairs



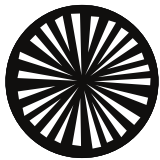
040 - Tourbillon



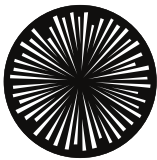
041 - Lost In The Brain



042 - CMY Liquid Effect



046 - Fireworks Light



047 - Fireworks



049 - Smoke Rings



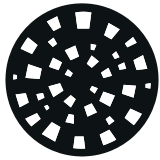
066 - Abstract Square



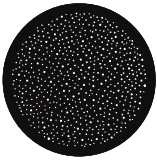
067 - Black & White Target



069 - Square Mix



070 - Circle of Squares



074 - Star Dust



075 - Starfield

AYRTON GOBOS COLLECTION



076 - Hexagon Ball



077 - Water



081 - Iron Filings



087 - Drunk



093 - Ant



098 - Waves



101 - Deep Forest



105 - Tree Bark



111 - Nested Rings Light



112 - Nested Rings



112C - Nested Rings Cyan



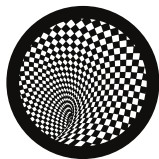
112M - Nested Rings Magenta



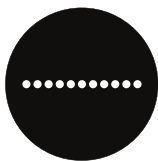
112Y - Nested Rings Yellow



114 - Nested Half Rings



120 - Checkered Flag



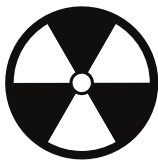
130 - Dot Line 11



134 - Vortex



147 - Virus



149 - Nuclear



169 - Indian Style

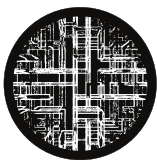


189 - Mirror Ball Light

AYRTON GOBOS COLLECTION



190 - Mirror Ball



211 - Digital



242 - Stained Glass



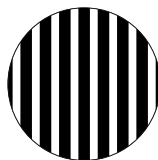
255 - Zig-Zag



260 - Arrows



266 - Breaking Glass



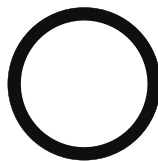
275 - Prison Bars



278- Bread Stix



298 - Half Beam



300 - Full Beam



302 - 80% Iris Beam



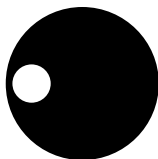
304 - 60% Iris Beam



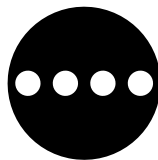
306 - 40% Iris Beam



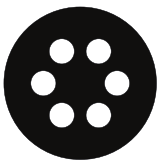
308 - 20% Iris Beam



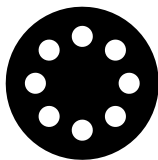
310 - Eccentric Dot



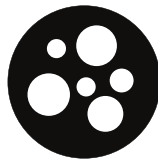
314 - Dot Line 4



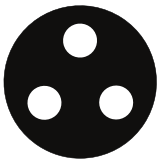
320 - Dot Ring 6



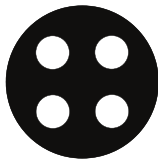
322 - Dot Ring 8



324 - Dot Mix

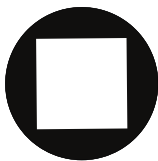


326 - Dot Triangle 3

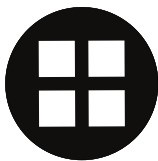


328 - Dot Square 4

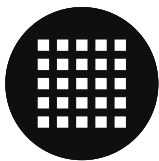
AYRTON GOBOS COLLECTION



330 - Square Beam



332 - Square Beam 4



335 - Square Beam 25



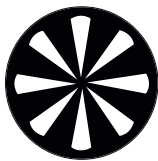
338 - Square Beam Mix



340 - Triangle Beam



342 - Five Spokes



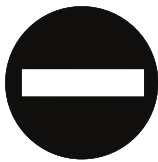
343 - Eight Spokes



345 - Star Beam



347 - Beam Shaper



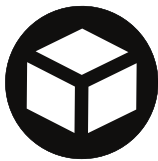
350 - Bold Line



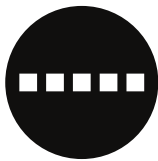
353 - Four Lines



358 - Lines Mix



363 - Rubik Cube



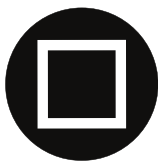
365 - Square Line 5



410 - Conical Tunnel Effect



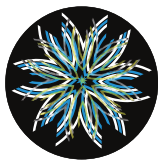
415 - Target Tunnel Effect



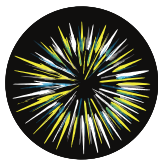
420 - Square Tunnel Effect



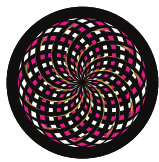
425 - Triangle Tunnel Effect



505 - Effect Cassette N°5



511 - Effect Cassette N°11



526 - Effect Cassette N°26

GOBOS ON AYRTON'S LUMINAIRES



		KARIF LT	MISTRAL	
Image size:		13 mm	20 mm	
018	Nested Triangle	6.03.03.01.1448	6.03.03.01.0905	
024	Bubble Light			
039	Infinite Stairs		6.03.03.01.0867	
041	Lost in the brain		6.03.03.01.0911	
042	CMY Liquid Effect	6.03.03.06.0130		
047	Fireworks		6.03.03.01.0910	
049	Smoke Rings	6.03.03.01.1452	6.03.03.01.0909	
066	Abstract Square		6.03.03.01.0912	
067	Black & White Target	6.03.03.01.1451	6.03.03.01.0926	
070	Circle of Squares			
074	Star Dust	6.03.03.01.1447	6.03.03.01.0906	
075	Starfield			
077	Water			
081	Iron Filings	6.03.03.01.1453	6.03.03.01.0932	
101	Deep Forest		6.03.03.01.0914	
105	Tree Bark		6.03.03.01.0915	
111	Nested Rings Light			
112-Y	Nested Rings Yellow	6.03.03.06.0128	6.03.03.06.0055	
114	Nested Half Rings			
130	Dot Line 11	6.03.03.01.1446	6.03.03.01.0903	
134	Vortex	6.03.03.01.1450	6.03.03.01.0904	
149	Nuclear			
190	Mirror Ball		6.03.03.01.0930	
278	Bread Stix			
298	Half Beam			
310	Eccentric Dot			
314	Dot Line 4			
320	Dot Ring 6			
322	Dot Ring 8			
324	Dot Mix			
326	Dot Triangle 3			
328	Dot Square 4			
330	Square Beam			
332	Square Beam 4			
340	Triangle Beam			
342	Five Spokes			
343	Eight Spokes			
345	Star Beam			
347	Beam Shaper			
350	Bold Line			
353	Four Lines			
358	Lines Mix			
410	Conical Tunnel Effect		6.03.03.01.0925	
505	Effect Cassette N°05			
526	Effect Cassette N°26			



	DIABLO	LEVANTE	RIVALE PROFILE	COBRA
	20 mm	19 mm	20 mm	4 mm
	6.03.03.01.0905		6.03.03.01.0905	
		6.03.03.05.1560		
	6.03.03.01.0867		6.03.03.01.2293	
	6.03.03.01.0911		6.03.03.01.2349	
			6.03.03.01.2348	
	6.03.03.01.0909		6.03.03.01.2347	
			6.03.03.01.2350	
	6.03.03.01.0926			
			TBD	
	6.03.03.01.0906			
			TBD	
	6.03.03.01.0932		6.03.03.01.2351	
			6.03.03.01.2352	
	6.03.03.01.0915		6.03.03.01.2353	
				6.03.03.05.2034
	6.03.03.06.0055		6.03.03.01.2296	
				6.03.03.05.2066
	6.03.03.01.0903		6.03.03.01.0903	
	6.03.03.01.0904			
				6.03.03.05.2031
			TBD	
		6.03.03.05.1552		
				6.03.03.05.2013
				6.03.03.05.2073
		6.03.03.05.1551		6.03.03.05.2015
				6.03.03.05.2032
				6.03.03.05.2003
		6.03.03.05.1550		
				6.03.03.05.2030
		6.03.03.05.1549		
				6.03.03.05.2033
				6.03.03.05.2002
		6.03.03.05.1558		
		6.03.03.05.1548		
				6.03.03.05.2029
			6.03.03.01.2346	

GOBOS ON AYRTON'S LUMINAIRES



		COBRA ²	EURUS PROFILE
	Image size:	4 mm	22 mm
018	Nested Triangle		6.03.03.01.1208
024	Bubble Light		
039	Infinite Stairs		
041	Lost in the brain		6.03.03.01.1398
042	CMY Liquid Effect		6.03.03.06.0131
047	Fireworks		6.03.03.01.1395
049	Smoke Rings		6.03.03.01.1394
066	Abstract Square		6.03.03.01.1396
067	Black & White target		6.03.03.01.1210
074	Star Dust		6.03.03.01.1209
077	Water		
081	Iron Filings		6.03.03.01.1397
101	Deep Forest		6.03.03.01.1399
105	Tree Bark		6.03.03.01.1400
111	Nested Rings Light		
112-Y	Nested Rings Yellow		6.03.03.06.0064
114	Nested Half Rings	6.03.03.05.2034	
130	Dot Line 11		6.03.03.01.1206
134	Vortex	6.03.03.05.2066	6.03.03.01.1207
149	Nuclear		
190	Mirror Ball		6.03.03.01.1401
211	Digital	6.03.03.05.2031	6.03.03.01.1402
242	Stained Glass		6.03.03.01.1403
275	Prison Bars		
298	Half Beam		
310	Eccentric Dot	6.03.03.05.2013	
314	Dot Line 4	6.03.03.05.2073	
320	Dot Ring 6	6.03.03.05.2015	
322	Dot Ring 8		
324	Dot Mix	6.03.03.05.2032	
326	Dot Triangle 3		
328	Dot Square 4	6.03.03.05.2003	
330	Square Beam		
332	Square Beam 4	6.03.03.05.2030	
340	Triangle Beam		
342	Five Spokes	6.03.03.05.2033	
343	Eight Spokes	6.03.03.05.2002	
345	Star Beam		
347	Beam Shaper		
350	Bold Line		
353	Four Lines		
358	Lines Mix	6.03.03.05.2029	
410	Conical Tunnel Effect		
505	Effect Cassette N°05		
526	Effect Cassette N°26		



	KHAMSIN	BORA	PERSEO BEAM	PERSEO PROFILE
	24 mm	25 mm	12 mm	22 mm
	6.03.03.01.1104		6.03.03.01.1821	6.03.03.01.1208
	6.03.03.01.1105			6.03.03.01.1211 6.03.03.01.1398
			6.03.03.06.0130	6.03.03.01.1395
	6.03.03.01.1111		6.03.03.01.1818	6.03.03.01.1394
	6.03.03.01.1110			6.03.03.01.1396
	6.03.03.01.1107		6.03.03.01.1820	6.03.03.01.1210
	6.03.03.01.1103		6.03.03.01.1822	6.03.03.01.1209
	6.03.03.01.1112		6.03.03.01.1823	6.03.03.01.1397
	6.03.03.01.1113			
	6.03.03.01.1114			6.03.03.01.1399
				6.03.03.01.1400
	6.03.03.06.0061		6.03.03.06.0138	
				6.03.03.06.0064
	6.03.03.01.1109		6.03.03.01.1817	
	6.03.03.01.1106		6.03.03.01.1819	6.03.03.01.1206 6.03.03.01.1207
				6.03.03.01.1401
				6.03.03.01.1402
				6.03.03.01.1403
		6.03.03.05.1456		
		6.03.03.05.1462		
		6.03.03.05.1454		
		6.03.03.05.1461		
		6.03.03.05.1557		
		6.03.03.05.1460		

GOBOS ON AYRTON'S LUMINAIRES



		HURACÁN LT	HURACÁN PROFILE	
	Image size:	25 mm	25 mm	
018	Nested Triangle		6.03.03.01.1171	
024	Bubble Light			
039	Infinite Stairs		6.03.03.01.1175	
041	Lost in the brain			
042	CMY Liquid Effect			
047	Fireworks		6.03.03.01.1178	
049	Smoke Rings	6.03.03.01.1177-A	6.03.03.01.1177	
066	Abstract Square		6.03.03.01.1180	
067	Black & White target		6.03.03.01.1174	
074	Star Dust	6.03.03.01.1172-A	6.03.03.01.1172	
077	Water	6.03.03.01.1575-0		
081	Iron Filings		6.03.03.01.1181	
98	Waves			
101	Deep Forest	6.03.03.01.1182-0		
105	Tree Bark	6.03.03.01.1183-A	6.03.03.01.1183	
111	Nested Rings Light			
112-Y	Nested Rings Yellow	6.03.03.06.0124	6.03.03.06.0124	
114	Nested Half Rings			
130	Dot Line 11		6.03.03.01.1169	
134	Vortex		6.03.03.01.1170	
149	Nuclear			
190	Mirror Ball			
211	Digital			
242	Stained Glass			
266	Breaking Glass			
275	Prison Bars	6.03.03.01.1576-0		
298	Half Beam			
310	Eccentric Dot	6.03.03.05.1970		
314	Dot Line 4	6.03.03.05.1968		
320	Dot Ring 6			
322	Dot Ring 8	6.03.03.05.1969		
324	Dot Mix			
326	Dot Triangle 3	6.03.03.05.2026		
328	Dot Square 4			
330	Square Beam			
332	Square Beam 4	6.03.03.05.1967		
340	Triangle Beam			
342	Five Spokes	6.03.03.05.2019		
343	Eight Spokes			
345	Star Beam			
347	Beam Shaper	6.03.03.05.2020		
350	Bold Line			
410	Conical Tunnel Effect			
505	Effect Cassette N°05		5.04.01.07.0513	
526	Effect Cassette N°26		5.04.01.07.0512	



	HURACÁN WASH	DOMINO LT	DOMINO PROFILE	DOMINO WASH
	25 mm	25 mm	25 mm	25 mm
			6.03.03.01.1171	
			6.03.03.01.1175	
		6.03.03.01.1177-A	6.03.03.01.1177	
			6.03.03.01.1180	
			6.03.03.01.1174	
		6.03.03.01.1172-A	6.03.03.01.1172	
		6.03.03.01.1575-0		
			6.03.03.01.1181	
	6.03.03.01.2263			6.03.03.01.2296
		6.03.03.01.1182-0	6.03.03.01.1182	
		6.03.03.01.1183-A	6.03.03.01.1183	
		6.03.03.06.0124	6.03.03.06.0124	
			6.03.03.01.1169	
			6.03.03.01.1170	
			6.03.03.01.1563	
			6.03.03.01.1564	
	6.03.03.01.2272			6.03.03.01.2295
		6.03.03.01.1576-0		
		6.03.03.05.1970		
	6.03.03.01.2261	6.03.03.05.1968		6.03.03.01.2290
		6.03.03.05.1969		
	6.03.03.01.2268	6.03.03.05.2026		6.03.03.01.2291
	6.03.03.01.2264	6.03.03.05.1967		6.03.03.01.2292
	6.03.03.01.2266	6.03.03.05.2019		6.03.03.01.2293
	6.03.03.01.2267	6.03.03.05.2020		6.03.03.01.2294

CLASSICAL 3 SERIES



KARIF LT

MISTRAL S

MISTRAL TC

Optics

Optic Size / Diameter	168 mm front lens	119 mm front lens	
Beam Aperture	2.8° to 47°	6.7° to 53°	
Zoom Elements / Range	13-element / 17:1	13-element / 8:1	

Light Source

Architecture	White Light Engine	White Light Engine	
Light Engine Power	300 W	300 W	
Light Engine Output (lm)	20,000	26,000	21,000
Light Engine Colour Temperature (K)	8000	8000	7000
Luminaire Output (lm)	14,000	18,000	14,000
Luminaire Colour Temperature (K)	7000	7000	6500
Native Colour Rendering Index	> 70	> 70	> 90

Movement

Rotation Type / Range	Infinite Pan - Tilt 263°	Pan 540° - Tilt 263°	
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Colours

Colour Mixing	CMY + CTO	CMY + CTO	
Fixed Colours (number/wheel)	13 colours / 1 Wheel	7 colours / 1 Wheel	

Gobos/Effects

Fixed Gobos (number/wheel)	39 Gobos / 1 Wheel	9 Gobos / 1 Wheel	
Rotating Gobos (number/wheel)	9 Gobos / 1 Wheel	7 Gobos / 1 Wheel	
Gobo type / Size (mm) / Image (mm)	HD Glass / 18 / 13	HD Glass / 25.5 / 20	
4 blades Framing System	No	No	
Graphic Animation Wheel (type)	Yes / Continuous	Yes / Continuous	
Rotating Effect	4 combinable Prisms	5-facet circular Prism	
Frost filter	1 light & 1 heavy Frost	Yes / Light Frost	
Iris Diaphragm	Beam Reducer	Yes	

Hardware Features

Menu Buttons For Setting Functions	Clicking Jog Wheel	Clicking Jog Wheel	
Integrated Wireless Receiver	LumenRadio™ CRMX TiMo	LumenRadio™ CRMX TiMo	
Input/Output Data Connector	XLR-5	XLR-5	
Input/Output Ethernet Connector	No	No	
Power Connector	powerCON TRUE1 In/Out	powerCON TRUE1 In/Out	

Control

Data Protocol	DMX 512 - RDM	DMX 512 - RDM	
Ethernet Protocol	No	No	
Channel Control	32 to 46	26 to 39	

Electronic Power Supply

Range	100 to 240 Volts	100 to 240 Volts	
Power Consumption Maximum	550 W	550 W	

Dimensions & Weight

Luminaire Dimensions (mm)	365 x 622 x 212	365 x 591 x 212	
Flight-case Foam Dimensions (mm)	430 x 660 x 280	450 x 620 x 280	
Weight (kg)	27	18.9	

Product Code

Standard Colour	011170	011240	011250
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DIABLO S
DIABLO TC
LEVANTE S
LEVANTE TC
RIVALE PROFILE

	119 mm front lens		138 mm front lens		160 mm front lens
	7° to 53°		6.9° to 57°		4° to 52°
	13-element / 8:1		13-element / 8:1		13-element / 13:1
	White Light Engine 300 W		White Light Engine 300 W		White Light Engine 450 W
	26,500	20,500	26,500	20,500	35,000
	8000	7000	8000	7000	8000
	19,000	14,000	20,000	15,000	30,000
	7000	6500	7000	6000	6500
	> 70	> 90	> 70	> 90	> 70
	Pan 540° - Tilt 263°		Pan 540° - Tilt 263°		Infinite Pan & Tilt
	CMY + CTO		CMY + CTO		CMY + CTO
	7 colours / 1 Wheel		7 colours / 1 Wheel		7 colours / 1 Wheel
	No		No		9 Gobos / 1 Wheel
	7 Gobos / 1 Wheel		7 Gobos / 1 Wheel		7 Gobos / 1 Wheel
	HD Glass / 25.5 / 20		Metal / 25.5 / 19		HD Glass / 25.5 / 20
	4 focal planes / Integral		4 focal planes / Integral		4 focal planes / Integral
	Yes / Continuous		No		Yes / Continuous
	5-facet circular Prism		No		2 combinable Prisms
	Yes / Light Frost		Variable Linear Frost		1 light & 1 heavy Frost
	Yes		Yes		Yes
	Clicking Jog Wheel		Clicking Jog Wheel		5 menu buttons
	LumenRadio™ CRMX TiMo		LumenRadio™ CRMX TiMo		LumenRadio™ CRMX TiMo
	XLR-5		XLR-5		IP65 XLR-5
	No		No		IP65 RJ45
	powerCON TRUE1 In/Out		powerCON TRUE1 In/Out		IP65 powerCON TRUE1 TOP In/Out
	DMX 512 - RDM		DMX 512 - RDM		DMX 512 - RDM
	No		No		ArtNet™ - sACN
	34 to 56		29 to 50		42 to 65
	100 to 240 Volts		100 to 240 Volts		100 to 240 Volts
	550 W		550 W		700 W
	365 x 591 x 212		365 x 632 x 212		360 x 675.5 x 315
	430 x 660 x 280		430 x 660 x 280		485 x 560 x 565
	22		22		30.8
	011340	011350	010240	010250	012321

MULTI SOURCES 3 SERIES



ZONDA 3 FX

ZONDA 3 WASH

Optics		
Optic Size / Diameter	7 x truncated 50 mm	7 x truncated 50 mm
Beam Aperture	4° to 56°	4° to 56°
Zoom Elements / Range	2-element / 14:1	2-element / 14:1
Light Source		
Architecture	Multi-chip LED	Multi-chip LED
Light Engine Power	40 W / 7	40 W / 7
Light Engine Output (lm)	7,000	7,000
Light Engine Colour Temperature (K)	-	-
Luminaire Output (lm)	5,200	5,200
Luminaire Colour Temperature (K)	-	-
Native Colour Rendering Index	< 86	< 86
Movement		
Rotation Type / Range	Infinite Pan & Tilt	Pan 540° - Tilt 270°
Colours		
Colour Mixing	RGB-W	RGB-W
Colour Depth	4.29 billion	4.29 billion
Virtual Colour Wheel	Yes	Yes
White Colour Temperature Presets	Yes	Yes
Dynamic colour effects	Yes	Yes
Effects		
Pixel Control / Quantity	Yes / 19 pixels	Yes / 2 rings
Graphical Effects	2D & 3D & LiquidEffect™	2D & 3D
Frost Filter	No	No
Dimmer	Electronic from 0 to 100%	Electronic from 0 to 100%
Strobe	1 to 25 flashes per second	1 to 25 flashes per second
Hardware Features		
Menu Buttons For Setting Functions	Clicking Jog Wheel	Clicking Jog Wheel
Integrated Wireless Receiver	LumenRadio™ CRMX TiMo	-
Input/Output Data Connector	XLR-5	XLR-5
Input/Output Ethernet Connector	etherCON CAT5	etherCON CAT5
Power Connector	powerCON TRUE1 In/Out	powerCON TRUE1 In/Out
Control		
Data Protocol	DMX 512 - RDM	DMX 512 - RDM
Ethernet Protocol	ArtNet™ - sACN	ArtNet™ - sACN
Channel Control	26 to 79	26 to 46
Electronic Power Supply		
Range	100 to 240 Volts	100 to 240 Volts
Power Consumption Maximum	350 W	350 W
Dimensions & Weight		
Luminaire Dimensions (mm)	365 x 404 x 233	365 x 404 x 233
Flight-case Foam Dimensions (mm)	420 x 438 x 280	-
Weight (kg)	11.1	11.1
Product Code		
Standard Colour	013250	013240

LASER SOURCE 3 SERIES



COBRA

COBRA²

Optics		
Optic Size / Diameter	170 mm front lens	170 mm front lens
Beam Aperture	0.6° to 23°	0.6° to 23°
Zoom Elements / Range	13-element / 38:1	13-element / 38:1
Light Source		
Architecture	Laser phosphore	Laser phosphore
Light Engine Power	260 W	260 W
Light Engine Output (lm)	-	-
Light Engine Colour Temperature (K)	-	-
Luminaire Output (lm)	386,000 lux at 20m	386,000 lux at 20m
Luminaire Colour Temperature (K)	6500	6500
Native Colour Rendering Index	> 65	> 65
Movement		
Rotation Type / Range	Infinite Pan & Tilt	Infinite Pan & Tilt
Colours		
Colour Mixing	CMY + CTO	CMY + CTO
Fixed Colours (number/wheel)	27 colours / 1 Wheel	27 colours / 1 Wheel
Gobos/Effects		
Fixed Gobos (number/wheel)	80 Gobos / 1 Wheel	80 Gobos / 1 Wheel
Rotating Gobos (number/wheel)	12 Gobos / 1 Wheel	12 Gobos / 1 Wheel
Gobo type / Size (mm) / Image (mm)	Metal / 6.9 / 4	Metal / 6.9 / 4
4 blades Framing System	No	No
Graphic Animation Wheel (type)	Yes / Continuous	Yes / Continuous
Rotating Effect	8 combinable Prisms / 2 Wheels	8 combinable Prisms / 2 Wheels
Frost filter	1 light & 1 heavy Frost	1 light & 1 heavy Frost
Iris Diaphragme	Beam Reducer	Beam Reducer
Hardware Features		
Menu Buttons For Setting Functions	5 menu buttons	5 menu buttons
Integrated Wireless Receiver	LumenRadio™ CRMX TiMo	LumenRadio™ CRMX TiMo
Input/Output Data Connector	IP65 XLR-5	IP65 XLR-5
Input/Output Ethernet Connector	IP65 RJ45	IP65 RJ45
Power Connector	IP65 powerCON TRUE1 TOP In	IP65 powerCON TRUE1 TOP In/Out
Control		
Data Protocol	DMX 512 - RDM	DMX 512 - RDM
Ethernet Protocol	No	No
Channel Control	35 to 45	35 to 45
Electronic Power Supply		
Range	100 to 240 Volts	100 to 240 Volts
Power Consumption Maximum	480 W	480 W
Dimensions & Weight		
Luminaire Dimensions (mm)	415 x 660 x 280	360 x 676 x 316
Flight-case Foam Dimensions (mm)	485 x 565 x 560	490 x 645 x 565
Weight (kg)	33	30.7
Product Code		
Standard Colour	014170	014175

CLASSICAL 6 SERIES



GHIBLI S

GHIBLI TC

**EURUS
PROFILE S**

**EURUS
PROFILE TC**

Optics

Optic Size / Diameter	137 mm front lens		170 mm front lens	
Beam Aperture	7° to 56°		4.5° to 50°	
Zoom Elements / Range	13-element / 8:1		13-element / 11:1	

Light Source

Architecture	White Light Engine		White Light Engine	
Light Engine Power	600 W		650 W	
Light Engine Output (lm)	36,000	26,000	45,600	32,000
Light Engine Colour Temperature (K)	8000	6500	8200	7000
Luminaire Output (lm)	23,000	17,000	36,000	25,000
Luminaire Colour Temperature (K)	7000	5900	6700	6200
Native Colour Rendering Index	> 70	> 90	> 70	> 90

Movement

Rotation Type / Range	Pan 540° - Tilt 270°		Pan 540° - Tilt 266°	
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Colours

Colour Mixing	CMY + CTO		CMY + CTO	
Fixed Colours (number/wheel)	6 colours / 1 Wheel		7 colours / 1 Wheel	

Gobos/Effects

Fixed Gobos (number/wheel)	8 Gobos / 1 Wheel		11 Gobos / 1 Wheel	
Rotating Gobos (number/wheel)	7 Gobos / 1 Wheel		7 Gobos / 1 Wheel	
Gobo type / Size (mm) / Image (mm)	HD Glass / 30 / 22		HD Glass / 27 / 22	
4 blades Framing System	4 focal planes / Integral		4 focal planes / Integral	
Graphic Animation Wheel (type)	Yes / Continuous		Yes / Continuous	
Rotating Effect	5-facet circular Prism		1 circular & 1 linear Prism	
Frost filter	1 light & 1 heavy Frost		1 light & 1 heavy Frost	
Iris Diaphragme	Yes		Yes	

Hardware Features

Menu Buttons For Setting Functions	Clicking Jog Wheel		Clicking Jog Wheel	
Integrated Wireless Receiver	LumenRadio™ CRMX TiMo		LumenRadio™ CRMX TiMo	
Input/Output Data Connector	XLR-5		XLR-5	
Input/Output Ethernet Connector	etherCON CAT5		etherCON CAT5	
Power Connector	powerCON TRUE1 In/Out		powerCON TRUE1 In/Out	

Control

Data Protocol	DMX 512 - RDM		DMX 512 - RDM	
Ethernet Protocol	ArtNet™ - sACN		ArtNet™ - sACN	
Channel Control	36 to 58		39 to 62	

Electronic Power Supply

Range	100 to 240 Volts		100 to 240 Volts	
Power Consumption Maximum	800 W		1,000 W	

Dimensions & Weight

Luminaire Dimensions (mm)	468 x 734 x 280		445 x 743 x 273	
Flight-case Foam Dimensions (mm)	655 x 590 x 555		655 x 590 x 555	
Weight (kg)	35.6		32.9	

Product Code

Standard Colour	011450	011460	011540	011545
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KHAM SIN S

KHAM SIN TC



BORA S

BORA TC

	158 mm front lens		178 mm front lens	
	7° to 58°		8° to 64°	
	13-element / 8:1		13-element / 8:1	
	White Light Engine		White Light Engine	
	750 W		750 W	
	60,000	48,000	60,000	48,000
	8000	7000	8000	7000
	40,000	31,000	40,000	31,000
	7000	6400	6800	6200
	> 70	> 90	> 70	> 90
	Pan 540° - Tilt 262°		Pan 540° - Tilt 262°	
	CMY + CTO		CMY + CTO	
	6 colours / 1 Wheel		12 colours / 2 Wheels	
	No		No	
	12 Gobos / 2 Wheels		6 Gobos / 1 Wheel	
	HD Glass / 34 / 24		Metal / 34.3 / 25	
	4 focal planes / Integral		4 focal planes / Integral	
	Yes / Continuous		No	
	1 circular & 1 linear Prism		No	
	1 light & 1 heavy Frost		Variable Linear Frost	
	Yes		Yes	
	Clicking Jog Wheel		Clicking Jog Wheel	
	LumenRadio™ CRMX TiMo		LumenRadio™ CRMX TiMo	
	XLR-5		XLR-5	
	etherCON CAT5		etherCON CAT5	
	powerCON TRUE1 In		powerCON TRUE1 In	
	DMX 512 - RDM		DMX 512 - RDM	
	ArtNet™ - sACN		ArtNet™ - sACN	
	40 to 64		30 to 52	
	120 to 240 Volts		120 to 240 Volts	
	1,150 W		1,150 W	
	494 x 778 x 280		494 x 737 x 280	
	655 x 590 x 555		655 x 590 x 555	
	39.8		37.8	
	011640	011650	010640	010650

CLASSICAL 6 SERIES



PERSEO BEAM



**PERSEO
PROFILE S**

**PERSEO
PROFILE TC**

Optics			
Optic Size / Diameter	168 mm front lens	148 mm front lens	
Beam Aperture	2° to 42°	7° to 58°	
Zoom Elements / Range	13-element / 21:1	13-element / 8:1	
Light Source			
Architecture	White Light Engine	White Light Engine	
Light Engine Power	450 W	500 W	
Light Engine Output (lm)	25,000	40,000	34,000
Light Engine Colour Temperature (K)	9000	8200	7000
Luminaire Output (lm)	18,000	30,000	26,000
Luminaire Colour Temperature (K)	6800	6900	6500
Native Colour Rendering Index	> 70	> 70	> 90
Movement			
Rotation Type / Range	Pan Infinite - Tilt 263°	Pan 540° - Tilt 263°	
Colours			
Colour Mixing	CMY + CTO	CMY + CTO	
Fixed Colours (number/wheel)	13 colours / 1 Wheel	6 colours / 1 Wheel	
Gobos/Effects			
Fixed Gobos (number/wheel)	39 Gobos / 1 Wheel	11 Gobos / 1 Wheel	
Rotating Gobos (number/wheel)	9 Gobos / 1 Wheel	7 Gobos / 1 Wheel	
Gobo type / Size (mm) / Image (mm)	HD Glass / 18 / 12	HD Glass / 27 / 22	
4 blades Framing System	4 focal planes / Integral	4 focal planes / Integral	
Graphic Animation Wheel (type)	Yes / Continuous	Yes / Continuous	
Rotating Effect	4 combinable Prisms	1 circular & 1 linear Prism	
Frost filter	1 light & 1 heavy Frost	1 light & 1 heavy Frost	
Iris Diaphragme	Beam Reducer	Yes	
Hardware Features			
Menu Buttons For Setting Functions	5 menu buttons	5 menu buttons	
Integrated Wireless Receiver	LumenRadio™ CRMX TiMo	LumenRadio™ CRMX TiMo	
Input/Output Data Connector	IP65 XLR-5	IP65 XLR-5	
Input/Output Ethernet Connector	IP65 RJ45	IP65 RJ45	
Power Connector	IP65 powerCON TRUE1 TOP In	IP65 powerCON TRUE1 TOP In	
Control			
Data Protocol	DMX 512 - RDM	DMX 512 - RDM	
Ethernet Protocol	ArtNet™ - sACN	ArtNet™ - sACN	
Channel Control	29 to 42	38 to 61	
Electronic Power Supply			
Range	100 to 240 Volts	100 to 240 Volts	
Power Consumption Maximum	700 W	800 W	
Dimensions & Weight			
Luminaire Dimensions (mm)	490 x 710 x 330	490 x 710 x 330	
Flight-case Foam Dimensions (mm)	655 x 590 x 555	655 x 590 x 555	
Weight (kg)	41.5	38.8	
Product Code			
Standard Colour	012470	012440	012450

MULTI SOURCES 6 SERIES



ARGO 6 FX



ARGO 6 WASH

Optics		
Optic Size / Diameter	19 x truncated 50 mm	19 x truncated 50 mm
Beam Aperture	4° to 56°	4° to 56°
Zoom Elements / Range	2-element / 14:1	2-element / 14:1
Light Source		
Architecture	Multi-chip LED	Multi-chip LED
Light Engine Power	40 W / 19	40 W / 19
Light Engine Output (lm)	19,000	19,000
Light Engine Colour Temperature (K)	-	-
Luminaire Output (lm)	13,000	13,000
Luminaire Colour Temperature (K)	-	-
Native Colour Rendering Index	< 86	< 86
Movement		
Rotation Type / Range	Infinite Pan & Tilt	Pan 540° - Tilt 270°
Colours		
Colour Mixing	RGB-W	RGB-W
Colour Depth	7 colours / 1 Wheel	13 colours / 1 Wheel
Virtual Colour Wheel	Yes	Yes
White Colour Temperature Presets	Yes	Yes
Dynamic colour effects	Yes	Yes
Effects		
Pixel Control / Quantity	Yes / 19 pixels	Yes / 19 pixels
Graphical Effects	2D & 3D & LiquidEffect™	2D & 3D
Frost Filter	No	No
Dimmer	Electronic from 0 to 100%	Electronic from 0 to 100%
Strobe	1 to 25 flashes per second	1 to 25 flashes per second
Hardware Features		
Menu Buttons For Setting Functions	5 menu buttons	5 menu buttons
Integrated Wireless Receiver	LumenRadio™ CRMX TiMo	-
Input/Output Data Connector	IP65 XLR-5	IP65 XLR-5
Input/Output Ethernet Connector	IP65 RJ45	IP65 RJ45
Power Connector	IP65 powerCON TRUE1 TOP In	IP65 powerCON TRUE1 TOP In
Control		
Data Protocol	DMX 512 - RDM	DMX 512 - RDM
Ethernet Protocol	ArtNet™ - sACN	ArtNet™ - sACN
Channel Control	26 to 127	26 to 67
Electronic Power Supply		
Range	100 to 240 Volts	100 to 240 Volts
Power Consumption Maximum	950 W	950 W
Dimensions & Weight		
Luminaire Dimensions (mm)	436 x 536 x 280	436 x 536 x 280
Flight-case Foam Dimensions (mm)	485 x 560 x 350	-
Weight (kg)	23.2	23.2
Product Code		
Standard Colour	019650	019640

MULTI SOURCES 6 SERIES



NANDO 502 WASH

Optics		
Optic Size / Diameter	12 x truncated 70 mm	
Beam Aperture	3.5° to 53°	
Zoom Elements / Range	2-element / 15:1	
Light Source		
Architecture	Multi-chip LED	
Light Engine Power	40 W / 12	
Light Engine Output (lm)	14,400	
Light Engine Colour Temperature (K)	-	
Luminaire Output (lm)	10,000	
Luminaire Colour Temperature (K)	-	
Native Colour Rendering Index	> 86	
Movement		
Rotation Type / Range	Pan 540° - Tilt 270°	
Colours		
Colour Mixing	RGB-L	
Colour Depth	4.29 billion	
Virtual Colour Wheel	Yes	
White Colour Temperature Presets	Yes	
Dynamic colour effects	Yes	
Effects		
Pixel Control / Quantity	Yes / 12 pixels	
Graphical Effects	2D & 3D	
Frost Filter	No	
Dimmer	Electronic from 0 to 100%	
Strobe	1 to 25 flashes per second	
Hardware Features		
Menu Buttons For Setting Functions	5 menu buttons	
Integrated Wireless Receiver	LumenRadio™ CRMX TiMo	
Input/Output Data Connector	IP65 XLR-5	
Input/Output Ethernet Connector	IP65 RJ45	
Power Connector	IP65 powerCON TRUE1 In/Out	
Control		
Data Protocol	DMX 512 - RDM	
Ethernet Protocol	ArtNet™ - sACN	
Channel Control	26 to 86	
Electronic Power Supply		
Range	100 to 240 Volts	
Power Consumption Maximum	550 W	
Dimensions & Weight		
Luminaire Dimensions (mm)	342 x 467 x 268	
Flight-case Foam Dimensions (mm)	395 x 480 x 335	
Weight (kg)	14.5	
Product Code		
Standard Colour	013420	

CLASSICAL 9 SERIES



HURACÁN LT



HURACÁN
PROFILE S

HURACÁN
PROFILE TC

Optics			
Optic Size / Diameter	225 mm front lens	178 mm front lens	
Beam Aperture	3.5° to 53°	6° to 60°	
Zoom Elements / Range	13-element / 15:1	13-element / 10:1	
Light Source			
Architecture	White Light Engine	White Light Engine	
Light Engine Power	1,000 W	1,000 W	
Light Engine Output (lm)	75,000	75,000	53,000
Light Engine Colour Temperature (K)	8200	8000	6800
Luminaire Output (lm)	51,000	51,000	33,900
Luminaire Colour Temperature (K)	6700	7000	6400
Native Colour Rendering Index	> 70	> 70	> 95
Movement			
Rotation Type / Range	Pan 540° - Tilt 262°	Pan 540° - Tilt 262°	
Colours			
Colour Mixing	CMY + CTO + CTB + CTP	CMY + CTO + CTB + CTP	
Fixed Colours (number/wheel)	6 colours / 1 Wheel	6 colours / 1 Wheel	
Gobos/Effects			
Fixed Gobos (number/wheel)	No	No	
Rotating Gobos (number/wheel)	14 Gobos / 2 Wheels	12 Gobos / 2 Effects / 2 Wheels	
Gobo type / Size (mm) / Image (mm)	HD Glass / 30 / 25	HD Glass / 30 / 25	
4 blades Framing System	4 focal planes / Integral	4 focal planes / Integral	
Graphic Animation Wheel (type)	1 Colour / 1 Monochromatic	1 Colour / 1 Monochromatic	
Rotating Effect	1 circular & 1 linear Prism	1 circular & 1 linear Prism	
Frost filter	1 light & 1 heavy Frost	1 light & 1 heavy Frost	
Iris Diaphragme	Yes	Yes	
Hardware Features			
Menu Buttons For Setting Functions	Clicking Jog Wheel	Clicking Jog Wheel	
Integrated Wireless Receiver	LumenRadio™ CRMX TiMo	LumenRadio™ CRMX TiMo	
Input/Output Data Connector	XLR-5	XLR-5	
Input/Output Ethernet Connector	etherCON CAT5	etherCON CAT5	
Power Connector	powerCON TRUE1 In	powerCON TRUE1 In	
Control			
Data Protocol	DMX 512 - RDM	DMX 512 - RDM	
Ethernet Protocol	ArtNet™ - sACN	ArtNet™ - sACN	
Channel Control	44 to 70	44 to 70	
Electronic Power Supply			
Range	120 to 240 Volts	120 to 240 Volts	
Power Consumption Maximum	1,470 W	1,470 W	
Dimensions & Weight			
Luminaire Dimensions (mm)	494 x 867 x 280	486 x 811 x 294	
Flight-case Foam Dimensions (mm)	745 x 550 x 660	715 x 555 x 630	
Weight (kg)	53.8	46	
Product Code			
Standard Colour	011870	011860	011865

CLASSICAL 9 SERIES



**HURACÁN
WASH S**

**HURACÁN
WASH ST**

**HURACÁN
WASH TC**

Optics

Optic Size / Diameter	210 mm Fresnel front lens		
Beam Aperture	6.2° to 75°		
Zoom Elements / Range	13-element / 12:1		

Light Source

Architecture	White Light Engine		
Light Engine Power	1,000 W		
Light Engine Output (lm)	80,000	68,000	49,000
Light Engine Colour Temperature (K)	-	-	-
Luminaire Output (lm)	52,100	45,300	33,900
Luminaire Colour Temperature (K)	7000	5800	6000
Native Colour Rendering Index	> 70	> 80	> 95

Movement

Rotation Type / Range	Pan 540° - Tilt 260°		
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Colours

Colour Mixing	CMY + CTO + CTB + CTP		
Fixed Colours (number/wheel)	6 colours / 1 Wheel		

Gobos/Effects

Fixed Gobos (number/wheel)	No		
Rotating Gobos (number/wheel)	7 Gobos / 1 Wheel		
Gobo type / Size (mm) / Image (mm)	HD Glass / 30 / 25		
4 blades Framing System	4 focal planes / Integral		
Graphic Animation Wheel (type)	1 Colour		
Rotating Effect	1 beam shaper		
Frost filter	Variable Linear Frost		
Iris Diaphragme	Yes		

Hardware Features

Menu Buttons For Setting Functions	Clicking Jog Wheel		
Integrated Wireless Receiver	LumenRadio™ CRMX TiMo		
Input/Output Data Connector	XLR-5		
Input/Output Ethernet Connector	etherCON RJ45		
Power Connector	powerCON TRUE1 In		

Control

Data Protocol	DMX 512 - RDM		
Ethernet Protocol	ArtNet™ - sACN		
Channel Control	39 to 61		

Electronic Power Supply

Range	100 to 240 Volts		
Power Consumption Maximum	1,470 W		

Dimensions & Weight

Luminaire Dimensions (mm)	494 x 788 x 294		
Flight-case Foam Dimensions (mm)	715 x 555 x 630		
Weight (kg)	42.5		

Product Code

Standard Colour	011880	011883	011885
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DOMINO LT



**DOMINO
PROFILE S**

**DOMINO
PROFILE TC**



**DOMINO
WASH S**

**DOMINO
WASH ST**

**DOMINO
WASH TC**

	225 mm front lens	178 mm front lens		210 mm Fresnel front lens		
	3.5° to 53°	6° to 60°		6.2° to 75°		
	13-element / 15:1	13-element / 10:1		13-element / 12:1		
	White Light Engine	White Light Engine		White Light Engine		
	1,000 W	1,000 W		1,000 W		
	75,000	75,000	56,000	80,000	68,000	49,000
	8200	8000	7000	-	-	-
	51,000	51,000	36,400	52,000	45,000	33,900
	6700	7000	6500	7000	5800	6000
	> 70	> 70	> 90	> 70	> 80	> 95
	Pan 540° - Tilt 263°	Pan 540° - Tilt 263°		Pan 540° - Tilt 270°		
	CMY + CTO + CTB + CTP	CMY + CTO		CMY + CTO + CTB + CTP		
	6 colours / 1 Wheel	6 colours / 1 Wheel		6 colours / 1 Wheel		
	No	No		No		
	14 Gobos / 2 Wheels	14 Gobos / 2 Wheels		7 Gobos / 1 Wheel		
	HD Glass / 30 / 25	HD Glass / 30 / 25		HD Glass / 30 / 25		
	4 focal planes / Integral	4 focal planes		4 focal planes / Integral		
	1 Colour / 1 Monochromatic	1 Colour / 1 Monochromatic		1 colour		
	1 circular & 1 linear Prism	1 circular & 1 linear Prism		-		
	1 light & 1 heavy Frost	1 light & 1 heavy Frost		Variable Linear Frost		
	Yes	Yes		Yes		
	5 menu buttons	5 menu buttons		5 menu buttons		
	LumenRadio™ CRMX TiMo	LumenRadio™ CRMX TiMo		LumenRadio™ CRMX TiMo		
	IP65 XLR-5	IP65 XLR-5		IP65 XLR-5		
	IP65 RJ45	IP65 RJ45		IP65 RJ45		
	IP65 powerCON TRUE1 TOP In	IP65 powerCON TRUE1 TOP In		IP65 powerCON TRUE1 TOP In		
	DMX 512 - RDM	DMX 512 - RDM		DMX 512 - RDM		
	ArtNet™ - sACN	ArtNet™ - sACN		ArtNet™ - sACN		
	44 to 70	44 to 66		37 to 61		
	120 to 240 Volts	120 to 240 Volts		120 to 240 Volts		
	1,600 W	1,800 W		1,600 W		
	490 x 884 x 330	490 x 841 x 330		490 x 821 x 330		
	765 x 665 x 555	715 x 665 x 555		715 x 665 x 555		
	60	52		52		
	012670	012640	012645	012880	012883	012885

MULTI SOURCES 9 SERIES



WILDSUN K9 WASH



ZONDA 9 FX

Optics

Optic Size / Diameter	217 x rounded 20 mm	37 x truncated 50 mm
Beam Aperture	10° to 60°	4° to 56°
Zoom Elements / Range	1-element / 6:1	2-element / 14:1

Light Source

Architecture	Multi-chip LED	Multi-chip LED
Light Engine Power	5 W / 217	40 W / 37
Light Engine Output (lm)	110,000	37,000
Light Engine Colour Temperature (K)	5,700	-
Luminaire Output (lm)	63,000	25,000
Luminaire Colour Temperature (K)	5,700	-
Native Colour Rendering Index	> 92	< 86

Movement

Rotation Type / Range	Pan 540° - Tilt 270°	Infinite Pan & Tilt
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Colours

Colour Mixing	-	RGB-W
Colour Depth	-	4.29 billion
Virtual Colour Wheel	-	Yes
White Colour Temperature Presets	-	Yes
Dynamic colour effects	-	Yes

Effects

Pixel Control / Quantity	-	Yes / 37 pixels
Graphical Effects	Yes	2D & 3D & LiquidEffect™
Frost Filter	Yes	No
Dimmer	Electronic from 0 to 100%	Electronic from 0 to 100%
Strobe	1 to 25 flashes per second	1 to 25 flashes per second

Hardware Features

Menu Buttons For Setting Functions	Clicking Jog Wheel	Clicking Jog Wheel
Integrated Wireless Receiver	LumenRadio™ CRMX TiMo	LumenRadio™ CRMX TiMo
Input/Output Data Connector	XLR-5	XLR-5
Input/Output Ethernet Connector	etherCON RJ45	etherCON CAT5
Power Connector	powerCON TRUE1 In	powerCON TRUE1 In

Control

Data Protocol	DMX 512 - RDM	DMX 512 - RDM
Ethernet Protocol	ArtNet™ - sACN	ArtNet™ - sACN
Channel Control	14 to 30	26 to 199

Electronic Power Supply

Range	120 to 240 Volts	120 to 240 Volts
Power Consumption Maximum	1,500 W	1,400 W

Dimensions & Weight

Luminaire Dimensions (mm)	530 x 625 x 280	530 x 625 x 280
Flight-case Foam Dimensions (mm)	580 x 611 x 345	580 x 611 x 345
Weight (kg)	26.9	29.2

Product Code

Standard Colour	013940	013750
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ZONDA 9 WASH



MAGICBLADE FX

	37 x truncated 50 mm		7 x squared 65 mm
	4° to 56°		3.6° to 53°
	2-element / 14:1		2-element / 15:1
	Multi-chip LED		Multi-chip LED
	40 W / 37		35 W / 7
	37,000		-
	-		-
	25,000		4,200
	-		-
	< 86		< 86
	Pan 540° - Tilt 270°		Infinite Pan & Tilt
	RGB-W		RGB-W
	4.29 billion		4.29 billion
	Yes		Yes
	Yes		Yes
	Yes		Yes
	Yes / 4 rings		Yes / 7
	2D & 3D		2D & 3D
	No		No
	Electronic from 0 to 100%		Electronic from 0 to 100%
	1 to 25 flashes per second		1 to 25 flashes per second
	Clicking Jog Wheel		6
	-		LumenRadio™ CRMX TiMo
	XLR-5		XLR-5
	etherCON CAT5		etherCON CAT5
	powerCON TRUE1 In		powerCON TRUE1 In/Out
	DMX 512 - RDM		DMX 512 - RDM
	ArtNet™ - sACN		ArtNet™ - sACN
	26 to 54		19 to 46
	120 to 240 Volts		100 to 240 Volts
	1,400 W		400 W
	530 x 625 x 280		612 x 312 x 191
	-		677 x 370 x 250
	29.2		13
	013740		015350

CREATIVE SOLUTION



MINIPANEL FX



MAGICPANEL FX

Optics		
Optic Size / Diameter	4 x squared 65 mm	25 x squared 65 mm
Beam Aperture	3.6° to 53°	3.6° to 53°
Zoom Elements / Range	2-element / 15:1	2-element / 15:1
Light Source		
Architecture	Multi-chip LED	Multi-chip LED
Light Engine Power	35 W / 4	35 W / 25
Light Engine Output (lm)	4,000	25,000
Light Engine Colour Temperature (K)	-	-
Luminaire Output (lm)	2,400	13,500
Luminaire Colour Temperature (K)	-	-
Native Colour Rendering Index	< 86	< 86
Movement		
Rotation Type / Range	Infinite Pan & Tilt	Infinite Pan & Tilt
Colours		
Colour Mixing	RGB-W	RGB-W
Colour Depth	4.29 billion	4.29 billion
Virtual Colour Wheel	Yes	Yes
White Colour Temperature Presets	Yes	Yes
Dynamic colour effects	Yes	Yes
Effects		
Pixel Control / Quantity	Yes / 4	Yes / 25
Graphical Effects	2D & 3D	2D & 3D
Frost Filter	No	No
Dimmer	Electronic from 0 to 100%	Electronic from 0 to 100%
Strobe	1 to 25 flashes per second	1 to 25 flashes per second
Hardware Features		
Menu Buttons For Setting Functions	6	6
Integrated Wireless Receiver	LumenRadio™ CRMX TiMo	LumenRadio™ CRMX TiMo
Input/Output Data Connector	XLR-5	XLR-5
Input/Output Ethernet Connector	No	etherCON CAT5
Power Connector	powerCON TRUE1 In/Out	powerCON TRUE1 In/Out
Control		
Data Protocol	DMX 512 - RDM	DMX 512 - RDM
Ethernet Protocol	No	ArtNet™ - sACN
Channel Control	19 to 34	19 to 118
Electronic Power Supply		
Range	100 to 240 Volts	100 to 240 Volts
Power Consumption Maximum	220 W	1,000 W
Dimensions & Weight		
Luminaire Dimensions (mm)	285 x 397 x 220	486 x 641 x 307
Flight-case Foam Dimensions (mm)	340 x 425 x 275	569 x 672 x 367
Weight (kg)	8.9	28.7
Product Code		
Standard Colour	015450	015670



KYALAMI

Optics		
Optic Size / Diameter	126 mm	
Beam Aperture	1°	
Zoom Elements / Range	3-element	
Light Source		
Architecture	Laser phosphore	
Light Engine Power	100 W	
Light Engine Output (lm)	-	
Light Engine Colour Temperature (K)	-	
Luminaire Output (lm)	400,000 lux at 10 m	
Luminaire Colour Temperature (K)	9000	
Native Colour Rendering Index	> 70	
Movement		
Rotation Type / Range	Infinite Pan & Tilt	
Colours		
Colour Mixing	CMY	
Fixed Colours (number/wheel)	22 colours / 1 Wheel	
Gobos/Effects		
Fixed Gobos (number/wheel)	29 Gobos / 1 Wheel	
Rotating Gobos (number/wheel)	-	
Gobo type / Size (mm) / Image (mm)	Metal / - / 3	
4 blades Framing System	No	
Graphic Animation Wheel (type)	No	
Rotating Effect	2 combinable Prisms	
Frost filter	1 light & 1 heavy Frost	
Iris Diaphragme	Beam Reducer	
Hardware Features		
Menu Buttons For Setting Functions	5 menu buttons	
Integrated Wireless Receiver	LumenRadio™ CRMX TiMo	
Input/Output Data Connector	IP65 XLR-5	
Input/Output Ethernet Connector	IP65 RJ45	
Power Connector	IP65 powerCON TRUE1 TOP In	
Control		
Data Protocol	DMX 512 - RDM	
Ethernet Protocol	ArtNet™ - sACN	
Channel Control	33	
Electronic Power Supply		
Range	100 to 240 Volts	
Power Consumption Maximum	200 W	
Dimensions & Weight		
Luminaire Dimensions (mm)	265 x 430 x 265	
Flight-case Foam Dimensions (mm)	320 x 460 x 320	
Weight (kg)	14.5	
Product Code		
Standard Colour	014042	



A hand is shown holding a glowing green globe. The globe has a dark, textured surface with golden-yellow highlights, resembling a planet or a stylized Earth. A large, translucent green leaf is overlaid on the right side of the globe. The background is a warm, orange-red gradient with small, bright white specks, suggesting a sunset or a starry sky. The overall composition is centered and balanced, with the hand and globe occupying the lower half and the text in the upper right.

**ENVIRONMENTAL
RESPONSIBILITY**



At this time of increased focus on the environmental challenges we face, it is important we highlight the steps Ayrton has, and continues to, take to be as environmentally-conscious and responsible as possible.

Ayrton is the market leader in LED/Solid State powered stage lighting. Founded in 2001, Ayrton has only ever developed product with LED sources, believing that these long-life, efficient solid-state light sources were the future, long before the industry in general adopted the technology.

The use of LED brings with it a number of environmental benefits over traditional light source technologies, which not only relate to the light source itself being more environmentally friendly, but brings benefits to the product's environmental credentials as a whole.

Ayrton is also committed, at an organizational level, to continually improve our understanding and approaches towards sustainability in our total operation. We initiated our first carbon accounting process in January 2022, with independent consultancy Avieco. By September 2023, we have completed our Carbon Emission Reports for 2021 and 2022, led by independent carbon management consultancy Greenly. The carbon footprint accounting covers all emissions under operational control (Scope 1, 2 & 3), aligning with ADEME & GHG Protocol methodologies.

The annual carbon emission accounting and reporting allow us to understand our hotspots and identify the pathway to improve our environmental impacts, together with our stakeholders. Continue on our climate journey, we will conduct further analysis on key emission sources and define a reduction trajectory aligning with Science Based Targets.

Below are the areas on which we are focusing.
Should you have any suggestions on how we can improve further, please do send them to gogreen@ayrton.eu. We will evaluate the proposals, and keep you informed about our future progress.



SOLID STATE LIGHT SOURCE TECHNOLOGY

> Ecologically Friendly

Most conventional discharge lighting bulbs contain a multitude of materials like mercury, sodium or metal-halides (including bromine and iodine), which are dangerous for the environment. LED sources contain fewer toxic materials, and LED manufacturers are working to minimize and eliminate known hazardous substances. Moreover, the long operational life span mentioned in the next point means that one LED module can save material and production of many equivalent discharge lamps.

> Long Life

Long life stands out as the number one benefit of LED light sources. LED modules have an outstanding operational life expectation of up to 50,000 hours. This is 5 years of continuous operation, or 10 years of 50% operation. In applications more relevant to the stage lighting industry, if you operate the LED fixture for 8 hours per day, every day of the year, it would take around 14 years before the LED engine reached 70% of its initial output, at which point we would consider this no longer useable. LEDs are different from metal-halide and tungsten lighting sources; they do not burn out and stop working like the aforementioned, although the lighting diodes emit lower output levels over a very long period of time, becoming less bright.

> Reduced internal heat

As LED modules produce less heat than a discharge lamp, all the surrounding components are subjected to lower thermal stress than metal-halide-based products. This results in a reduction of failure rates due to heat, meaning fewer spare parts are required for replacement. This results in the increased reliability that Ayrton products are known to deliver.

> Zero UV Emissions

LED fixtures produces little infrared light and close to no UV emissions. Because of this, LED lighting is highly suitable, not only for goods and materials that are sensitive to heat due to the benefit of little radiated heat emission, but also for illumination of UV sensitive objects or materials, such as in museums, art galleries, archaeological sites. It also reduces the size of the cooling system, which in turn ensures a reduction in power consumption.



› LED: a very efficient source

LED lighting has the potential to be more energy efficient than any other known lighting technology.

But two aspects of energy efficiency are important to consider: the efficiency of the LED device itself (source efficacy), and how well the device and fixture work together in providing the necessary lighting (luminaire efficacy).

How much electricity is consumed depends not only on the LED device, but also on the lighting fixture design. Because they are sensitive to thermal and electrical conditions, LEDs must be carefully integrated into lighting fixtures.

The efficiency of a poorly designed fixture, that uses even the best LEDs, will be only a fraction of what it would be if the fixture were well-designed. The design can also affect lumen maintenance.

Ayrton focuses on class-leading, phase-change, liquid cooling solutions, to ensure its thermal management realizes the full potential of the ultra-efficient LED modules. This results in the highest output for the electricity employed on the market.

In addition (due to the efficiency of the entire luminaire), there is a lower heat output (measured in BTUs) compared with other, less efficient LED products and of course, metal-halide and tungsten products. This results in less demand on HVAC systems (and lower energy needs).

In short, Ayrton LED luminaires result in less power needed to generate more output, with lower heat emitted.



**NO SINGLE USE
PLASTIC PACKAGING INSIDE**



LOGISTICS

› Primary Packaging

Packaging is of importance both for its protection to our products, ensuring them to reach customers in perfect condition, and for its nature as a primary source of immediate waste after delivery.

Ayrton has, for many years, shipped all our products in reusable, specially-designed, moulded poly-foam inserts. These protective shells are used by customers to protect their fixtures well into the future, and can be inserted into flight cases without additional impact protection being needed.

Up until the end of 2019, we were shipping with single-use plastic bags (one for the fixture, and another for the accessories). A single-use, impact resistant foam pad was used to protect the base of the fixture, and foam corners were used to protect the corners.

Since 2020, our commitment to eco-friendly packaging has led us to stop using single-use plastic and foam packaging for shipment, because of their difficulty in recycling.

In place of plastic bags, we've adopted a durable corrugated-paper, impact-resistant pad to protect the product's base and hold accessory items. We've also replaced traditional foam corners with corrugated versions.

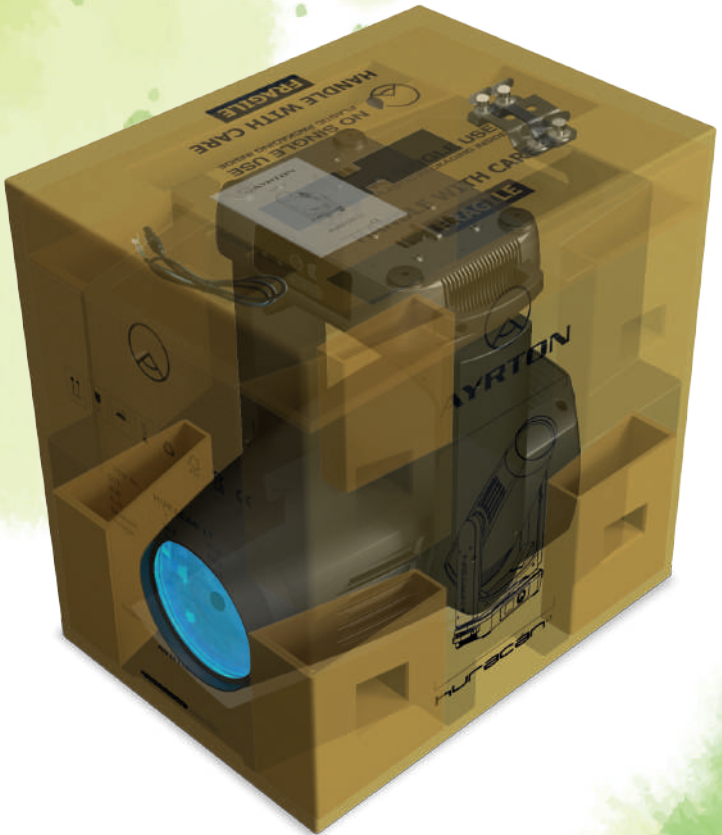
Since 2022, we've replaced conventional plastic packaging tapes with biodegradable alternatives.

In addition, in collaboration with our supply chain in China, we've ensured that all the corrugated paper used for our boxes (which is a mixture of recycled and new paper), originates from FSC certified sources.

With the chain of custody audited, we've also ensured that all the paper-based packaging used in our products can be recycled.



**NO SINGLE USE
PLASTIC PACKAGING INSIDE**



› Secondary Packaging

Alongside primary packaging, the manner in which product is palletized and prepared for shipping plays an important role in our sustainability drive.

Prior to 2021, product was shipped from the factory on plastic pallets which were not able to be used on rack shelves. Plastic was (and is) used, as there are environmental challenges and controls with using wooden pallets for intercontinental shipments.

Due to this, pallets were being used once and discarded, while a second pallet (wooden or plastic) was then employed for further storage or onward shipping.

Since 2021, we have shipped product using a new, more robust plastic pallet type, allowing the shipping pallet to be reused multiple times, both for shipping and for storage, not only of Ayrton products.

Since 2022, we've switched from plastic pallet wrap to biodegradable materials.

› Transport

Ayrton uses several modes of transport for product shipping. Air freight is the most carbon intensive mode, while rail freight and sea freight have lower carbon footprint per ton of transported goods, due to their higher transportable loads.

We are making an effort to reduce freight emissions by opting for rail and sea freight. As indicated in our 2022 Carbon Emission Report, the tons of transported goods using sea freight increased from 26% in 2021 to 54% in 2022. In the future, we will try to mobilize our customers to choose less emissive transport mode while balancing the tradeoff of shipping time and cost.



› Lifecycle understanding of products

Ayrton is currently undertaking a comprehensive review of our product ecosystems. This includes further analysis on the embodied carbon of our products and their average energy consumption during the usage phase, as well as the creation of guidance on the end-of-life treatment, whether disposal or recycling. As additional analysis to our Carbon Emission Report, we've completed the identification of main components in terms of both value and weight used in our products. This will first be used to estimate embodied carbon of our products.

Together with our supply chain in China, we are adopting environmentally certified metals and environmentally friendly glasses for our products. The supply chain is also phasing out the sandblasting process due to its environmental concern. In addition, we are also vigorously researching the usage of mixed materials, specifically metals and plastics, with a goal of using a portion of recycled raw materials in our future products.

Ayrton has also taken steps to ensure responsible management of our products at their end of life. Since 2022, we have become a member of Ecosystem, a professional DEEE (Les Déchets d'Équipements Électriques et Électroniques) eco-organization. This affiliation enables us to make annual declarations of electronic and electric equipment waste and contribute membership fees, ensuring their proper treatment at the end of life. Based on identified components information of our products, we are planning to create comprehensive documentation to share with partners on best practices for recycling.

This will be a long-term process involving various stakeholders, including suppliers and customers, with the goal of providing products that are more environmentally friendly, energy-efficient, and resource-efficient, while still meeting functional and aesthetic requirements.



› Ayrton Operations

We have taken various actions to reduce our environmental impact in daily operation.

The power needs of Ayrton French HQ are now entirely covered with 100% renewable energy tariff supplied by Ekvolt.

To facilitate more eco-friendly transport, we have installed charging points at French HQ for our Electric & Plug-in Hybrid Electric Vehicles. Sharing Electric Bikes have also been introduced to employees as a commuting choice.

We use sustainable office supplies in daily operation, at both French HQ and German office, all single-use plastic bottled water and soft drinks have been replaced with reusable bottles. All single-use cups are replaced by mugs. All used glass milk bottles will be returned to the supplier for re-use and recycling.

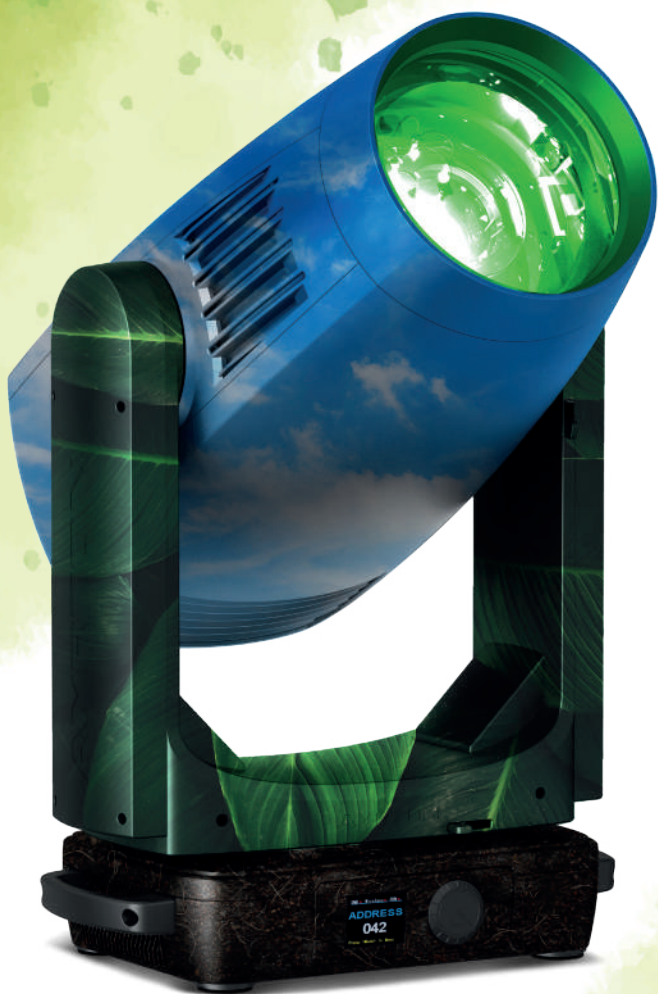
All paper we use comes from FSC/PEFC certified suppliers. Since 2020, all Ayrton printed materials are based on PEFC recycled paper. Since 2022, all internal printers are using 100% recycled paper. Besides opting for recycled paper, we are also promoting paperless office.

We are optimizing waste management at office. Waste is sorted into sections of Electronic & Electrical Equipment Waste, Plastic, Glass, Paper and General Waste.

During corporate event planning, we are focusing on using local suppliers, and suppliers who adhere to sustainable practices.

To better engage our stakeholders, we have initiated the process of supplier assessment regarding their environmental impacts and sustainable practices. We are also planning workshops to raise awareness of our employees and encourage them to participate in sustainable initiatives both in the workplace and in their personal lives.

While these are positive beginnings, we are committed to continually improve our ecological credentials, in all areas of our business.



SUSTAINABILITY IN ACTION

CO² Missions Reports Completed

for 2021 & 2022 by consultancy Greenly

Eco-friendly materials

environmentally certified metals for our product

Biodegradable Pallet Wrap

as an alternative to plastic wrap

FSC/PEFC

certified corrugated boxes & recycled paper

Using

60% recycled paper instead of non-recycled, the environmental impact of this catalogue is reduced by:

43,921 litres of water

1,697 kg of wood

1,044 kg of landfill

121 kg CO² and greenhouse gases

1,206 km travel in the average European car

2,443 kWh of energy

Sources: Carbon footprint data evaluated by Labelia Conseil. Virgin fibre paper data from latest European BREF data.





CALENDAR

164-167

NOTES

168-171

WARRANTY

172-175

CREDITS

176

LEGAL

176

2024

	APRIL		MAY		JUNE	
MON	1					
TUE	2					
WED	3					
THU	4		1			
FRI	5		2	TPIMEA AWARDS DUBAI, UAE		
SAT	6		3		1	
SUN	7		4		2	
MON	8		5		3	
TUE	9		6		4	
WED	10	EXPO SCENE MONTREAL, CANADA	7	SLS EXPO RIYADH, SAUDI ARABIA	5	ABTT LONDON, UK
THU	11		8		6	
FRI	12		9		7	
SAT	13	NAB LAS VEGAS, USA	10		8	
SUN	14		11		9	
MON	15		12		10	
TUE	16		13		11	
WED	17		14	PLASA FOCUS LEEDS, UK	12	INFOCOMM FLORIDA, USA
THU	18		15		13	
FRI	19		16		14	
SAT	20		17		15	
SUN	21		18		16	
MON	22		19		17	
TUE	23		20		18	
WED	24		21	KOBA SEOUL, KOREA	19	
THU	25		22		20	
FRI	26		23		21	
SAT	27		24		22	
SUN	28		25		23	
MON	29		26		24	
TUE	30		27		25	PRO INTEGRATION FUTURE ASIA SINGAPORE
WED	31		28		26	
THU			29		27	
FRI			30	PALM EXPO MUMBAI, INDIA	28	
SAT			31		29	
SUN					30	
MON						
TUE						

2024

	JULY		AUGUST		SEPTEMBER	
MON	1					
TUE	2					
WED	3	LIVE ENTERTAINMENT EXPO TOKYO, JAPAN				
THU	4		1			
FRI	5		2			
SAT	6		3			
SUN	7		4		1	PLASA LONDON, UK
MON	8		5		2	
TUE	9		6		3	
WED	10		7		4	
THU	11		8		5	
FRI	12		9		6	
SAT	13		10		7	
SUN	14		11		8	
MON	15		12		9	
TUE	16		13		10	
WED	17	INFOCOMM ASIA BANGKOK THAILAND	14		11	
THU	18		15		12	
FRI	19		16		13	IBC AMSTERDAM, THE NETHERLANDS
SAT	20	17		14		
SUN	21	18		15		
MON	22		19		16	
TUE	23		20		17	
WED	24		21	INTEGRATE SYDNEY, AUSTRALIA	18	
THU	25		22		19	
FRI	26		23		20	
SAT	27		24		21	
SUN	28		25		22	
MON	29		26		23	
TUE	30		27		24	
WED	31		28		25	EXPOLATAM.TECH CANCUN, MEXICO
THU			29		26	
FRI			30		27	
SAT			31		28	
SUN					29	
MON					30	
TUE						

2024

	OCTOBER		NOVEMBER		DECEMBER	
MON						
TUE	1	LLB STOCKHOLM, SWEDEN				
WED	2					
THU	3					
FRI	4		1			
SAT	5		2			
SUN	6		3		1	
MON	7		4		2	
TUE	8		5		3	
WED	9		6		4	
THU	10		7		5	
FRI	11		8		6	
SAT	12		9		7	
SUN	13		10		8	LDI LAS VEGAS, USA
MON	14	GITEX GLOBAL DUBAI, UAE	11		9	
TUE	15		12		10	
WED	16		13		11	
THU	17		14		12	
FRI	18		15		13	
SAT	19		16		14	
SUN	20		17		15	
MON	21		18		16	
TUE	22	LEaTcon HAMBURG, GERMANY	19		17	
WED	23		20		18	
THU	24		21		19	
FRI	25		22		20	
SAT	26		23		21	
SUN	27		24		22	
MON	28		25		23	
TUE	29		26		24	
WED	30		27		25	
THU	31		28		26	
FRI			29		27	
SAT			30		28	
SUN					29	
MON					30	
TUE					31	

2025

	JANUARY		FEBRUARY		MARCH	
MON						
TUE						
WED	1					
THU	2					
FRI	3					
SAT	4		1		1	
SUN	5		2		2	
MON	6		3		3	
TUE	7		4	ISEUROPE BARCELONA, SPAIN	4	
WED	8		5		5	
THU	9		6		6	
FRI	10		7		7	
SAT	11		8		8	
SUN	12		9		9	
MON	13		10		10	
TUE	14		11		11	
WED	15		12		12	
THU	16		13		13	
FRI	17		14		14	
SAT	18		15		15	
SUN	19		16		16	
MON	20		17		17	
TUE	21		18		18	
WED	22		19		19	
THU	23		20		20	
FRI	24		21		21	
SAT	25		22		22	
SUN	26		23		23	
MON	27		24		24	
TUE	28		25		25	
WED	29		26		26	
THU	30		27		27	
FRI	31		28		28	
SAT					29	
SUN					30	
MON					31	
TUE						

WARRANTY / SERVICE PROCEDURE

FIXTURES & PARTS

2 years warranty

ALL USED AND EX DEMO PRODUCT

90 day warranty

LED ENGINE

5 years warranty (See section 1.h)

Warranty starts from date of invoice.

The below document outlines Ayrton's warranty and service repair procedure.

WARRANTY FOR STOCK

All product bought for the purposes of holding stock will automatically benefit from 30 months of warranty instead of the usual 24 months warranty. This new extension will better ensure that our customers are able to benefit from the full 24 months warranty while not disadvantaging our distribution partners performing a vital part of our strategy.

In order to avail yourself of this additional 6 months warranty, when requesting a warranty repair for a fixture falling under this category, provide Ayrton Service with the delivery note or invoice from Distributor to End Customer showing the date of sale.

1. Warranty

- a. Ayrton only warrants its products against defects in material or workmanship.
- b. Product which is under warranty and is faulty out of the box or within 100 hours of use (as defined on the fixture's Total Life Hours counter) can be advanced replaced for a new fixture or spare parts can be sent out, depending on the customer's preference.
 - i. The customer should call or email Ayrton with the following information:
 1. Contact name and details
 2. Product serial number
 3. Date of purchase
 4. Vendor name
 5. Description of fault
 6. Shipping address
 7. Preference for replacement or repair.
 - ii. Ayrton will provide the customer with a Return Material Authorisation number which should be placed clearly on the package which is returned.
- c. Product which is under warranty and is faulty after 100 hours of use (as defined on the fixture's Total Life Hours counter) will have advanced replacement spare parts sent out.

i. The customer should call or email Ayrton with the following information:

- 1.** Contact name and details
- 2.** Product serial number
- 3.** Date of purchase
- 4.** Vendor name
- 5.** Description of fault
- 6.** Shipping address

ii. Ayrton will provide the customer with a Return Material Authorisation number which should be placed clearly on the package which is returned.

d. Ayrton will provide economy shipping, one way, for all warranty related items.

e. Although all warranty parts are free of charge, Ayrton will issue an invoice for advanced replacement fixtures or parts and a credit will be applied to the account when the faulty unit (fixture or part) is received back at Ayrton. Occasionally and at Ayrton's sole discretion, Ayrton may waive the requirement to return the faulty part or fixture.

f. At any time, the customer is able to return a fixture, under warranty, to Ayrton, for repair. This repair will be carried out free of charge and Ayrton will pay economy shipping one way. All additional charges, such as import duties, should they be payable, will be the customer's responsibility.

i. The customer should call or email Ayrton with the following information:

- 1.** Contact name and details
- 2.** Product serial number
- 3.** Date of purchase
- 4.** Vendor name
- 5.** Description of fault

ii. Ayrton will then provide the customer with a Return Material Authorisation number which should be placed clearly on the package which is returned. This will allow us to track the incoming repair and deal with it appropriately.

g. Warranty Period for repair of fixtures under warranty.

i. All repairs made to fixtures under warranty will fall under the fixture's original warranty period or benefit from a 90 day warranty period, whichever is more beneficial to the customer.

ii. An exception to this rule is for White Light Engines which will benefit from a 2 year warranty period, starting from date of repair.

WARRANTY / SERVICE PROCEDURE

h. LED Engine warranty covers physical failure of the LED engine itself. It does not extend to:

- i.** Any electronic circuits driving, controlling or monitoring the LED engine.
- ii.** To the maintenance of lumen (l70) levels or colour stability.
- iii.** To units deployed in applications where they are in continuous use of more than 14 hours per day.
- iiii.** To units deployed in areas where the ambient temperature falls outside the stated temperature operating ranges for said unit.
- iv.** To units which have had engines replaced by anyone other than an Ayrton certified/ trained technician.
- vi.** To units deployed in permanent outdoor installations.
- vii.** To units used contrary to the instructions to be found in the manual.

i. Warranty Exclusions.

- i.** Damage caused by the sun, not limited to lens and cover damage. In daylight circumstances Ayrton lights must always be pointed away from the sun. Internal damage may occur even when the lens of the fixture is at an angle offset to the sun. It is best practice to point the fixture lens to a position opposite the sun.
- ii.** Damage caused by other fixtures (including lasers) when said external light source is directed into the lens of the fixture.
- iii.** Damage caused by storing fixtures when wet or dirty.
- iv.** Damage caused by using abrasive cleaning agents on covers.
- v.** Damage by improper use and improper or incorrect installation.
- vi.** Damage caused by neglect or abuse. This includes accidental dropping, penetration of water, incorrect mounting or exposure to excessive temperatures or humidity.
- vii.** Damage due to wear and tear sustained during normal use.
- viii.** Using the fixture contrary to the instructions provided in the user manual.

2. Service

a. Product which is no longer under warranty can have spare parts purchased from Ayrtón or your Distributor.

b. Customers are also able to send product in to Ayrtón for repair.

i. The customer should call or email Ayrtón with the following information

- 1.** Contact name and details
- 2.** Product serial number
- 3.** Date of purchase
- 4.** Vendor name
- 5.** Description of fault
- 6.** Instruction on whether or not the customer would like a repair estimate (25 Euros exc. VAT) prior to the start of the repair.

ii. Ayrtón will then provide the customer with a Return Material Authorisation number which should be placed clearly on the package which is returned. This will allow us to track the incoming repair and deal with it appropriately.

iii. Ayrtón charges 70 Euros an hour (exc. VAT) for repair work excluding parts.

c. Ayrtón does not cover freight costs for non-warranty repairs or parts shipments. These are solely the responsibility of the customer.

d. Warranty Period for repair of fixtures not under warranty

i. All repairs made to fixtures not under warranty will benefit from a 90 day warranty period, from date of repair.

ii. An exception to this rule is for White Light Engines which will benefit from a 2 year warranty period, starting from date of repair.

For further information please contact the customer service team at technic@ayrton.eu

CREDITS

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NANDO 502 WASH

pure emotion



6 Series - Source
12 RGB-L LED

Lumens
10,000

Zoom
3.5° to 53°

IP Rating
IP65

Weight
14.5 kg



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