PERSEO

AYRTON
Digital Lighting

PERSEO-S
Classical IP65 5 Series
012440

PERSEO-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 27,400 lumens. AYRTON has specifically developed the optics in PERSEO-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 frontal 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, PERSO-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-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-S presents a sleeker, updated, industrial design, with perfectly straightened yoke arms, a minimalist base and a new water-resistant menu navigation system. PERSEO-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 frontal lens

LIGHT SOURCE
- 40,000 lumens 8000 K light engine
- Luminaire output: up to 27,400 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

GOBOS
- 7 indexable rotating HD glass gobos
- Adjustable-speed rotating gobo
- 11 fixed HD glass gobos
- Fixed gobo diameter: 25.5 mm
- Rotating gobo diameter: 27.0 mm
- Image diameter: 22.0 mm
- Gobo thickness: 1.1 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
- Sparkle effect: speed and fade adjustment

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: -10 °C (14 °F)
- Minimum usage distance: 2.0 m (6.56 ft)

COMPLIANCE
- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- US Safety UL 1573

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-S

PERSEO-TC

012450

PERSEO-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-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-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 frontal lens, this proprietary system has 13 lenses, delivering an 8:1 zoom ratio and a zoom range of 7° to 56°. 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, PERSO-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-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-TC presents a sleeker, updated, industrial design, with perfectly straightened yoke arms, a minimalist base and a new water-resistant menu navigation system. PERSEO-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 frontal lens

LIGHT SOURCE
- 37,000 lumens 7000 K light engine
- Luminaire output: up to 25,000 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), 270° (tilt)

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

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EFFECTS
- Focusable graphic animation effect-wheel
- Continuous rotation in both directions
- Sparkle effect: speed and fade adjustment

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
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- 4 DMX modes (38 to 61 DMX channels)

POWER SUPPLY
- 100 to 240 Volts – 50/60 Hz
- Power: 900 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
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