

# PERSEO



**AYRTON**  
Digital Lighting



## PERSEO-S

## 500 W IP65 Profile luminaire

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 27,000 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 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, PERSEO-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 56°
- 148 mm frontal lens

## LIGHT SOURCE

- 40,000 lumens 8000 K light engine
- Luminaire output: up to 27,000 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 with automatic repositioning
- Range: 540° (pan), 270° (tilt)

## COLOURS

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

## GOBOS

- 7 indexable rotating HD glass gobo
- Adjustable-speed rotating gobo
- 11 fixed HD glass gobo
- 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 etherCON RJ45 connectors
- IP65 powerCON TRUE1 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: 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
- Four ¼ turn mounting points
- Safety cable attachment point

## OPERATING PARAMETERS

- Operating positions: all
- 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

## SIZE

- Product: 490 x 710 x 329 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



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[www.ayrton.eu](http://www.ayrton.eu)