

PERSEO PROFILE

the shape of water

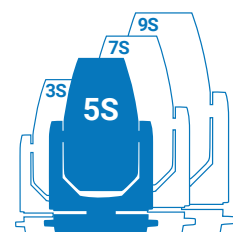


AYRTON
Digital Lighting



A drop of water can be as magical as it is dazzling in the hands of true artist

The shape of water is the inspiration for PERSEO PROFILE... Ayrton's first compact multi-function luminaire with an IP65 water-resistant and dust-tight enclosure rating.



PERSEO PROFILE is the first compact multi-function luminaire with an IP65 enclosure rating developed by Ayrton for intensive outdoor use. PERSEO PROFILE is available in two versions: S and TC. PERSEO PROFILE S is designed for scenic applications. It is equipped with a new LED module, delivering powerful metallic white light with record-breaking output of 32,500 lumens at a colour temperature of 7000 K. PERSEO PROFILE 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 6000 K. Ayrton has specifically developed the optics in PERSEO PROFILE 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.

PERSEO PROFILE is the ultimate in versatility, designed for multiple outdoor and indoor applications.

IP65
Water-resistant



Water is the source of life. It mystifies us. Fascinates us. Forever in transformation, it can assume an infinite number of unexpected shapes.

PERSEO PROFILE 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.

5 Series - Source
500 W - 7000 K
 S version

Lumens
32,500
 S version

Native CRI
greater than 90
 TC version



Water droplets form the emblem for this new series of luminaires

PERSEO PROFILE presents a sleeker, updated, industrial design, with perfectly straightened yoke arms, a minimalist base and a new water-resistant menu navigation system.



As elegant as it is powerful

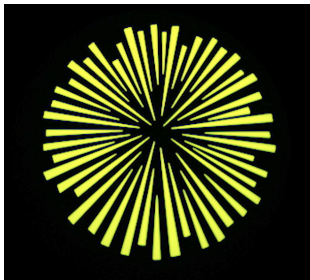
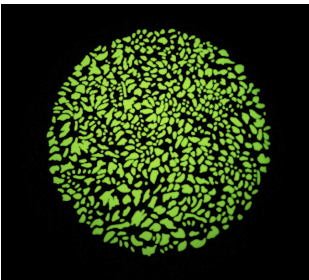
For greater efficiency, PERSEO PROFILE is provided with a highly effective phase-change liquid cooling system fitted with four submersible fans located outside the watertight enclosure.



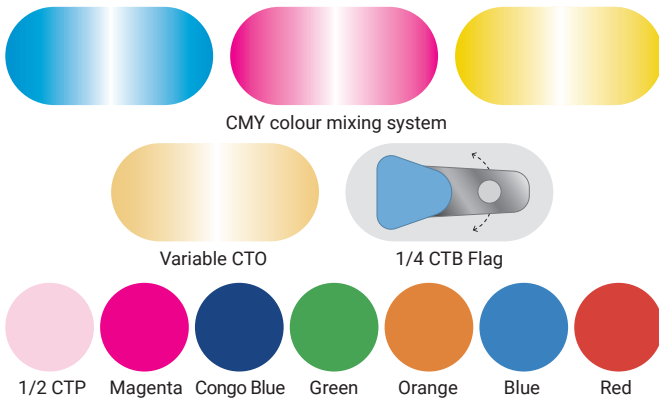
PERSEO PROFILE, opens up a world of infinite possibilities

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 light, one heavy; and two rotating prisms, one circular with 5 facets and one linear with 4 facets.

PERSEO PROFILE is more than just another water-resistant profile luminaire.

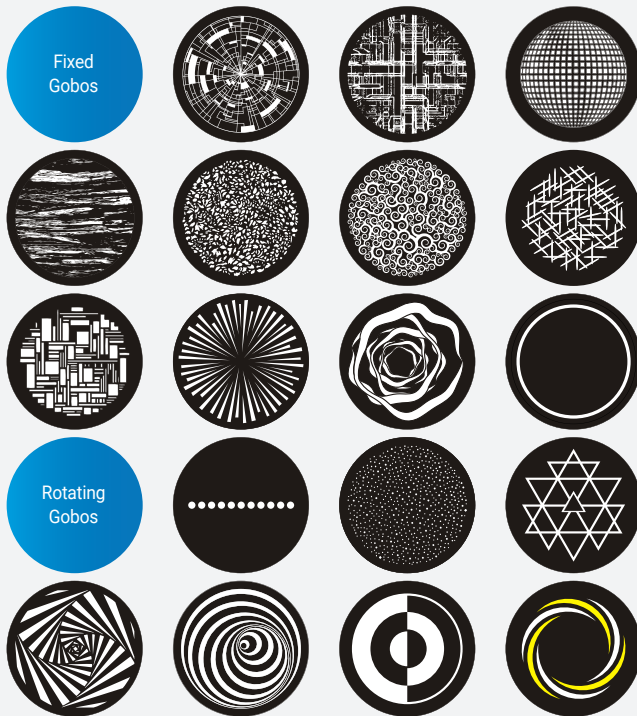


Colours



Gobos

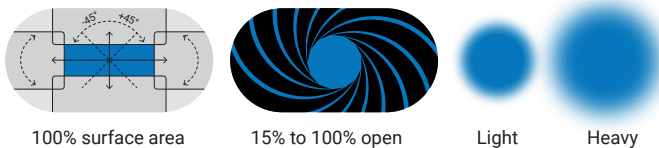
Gobos Ø 27 mm | Image Ø 22 mm



Framing system

Iris diaphragm

Frost filters



Graphical animation effects wheel

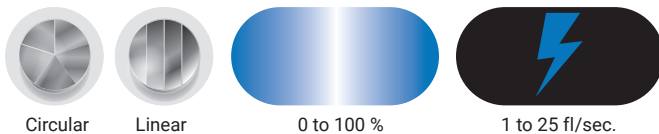
Sparkle effect



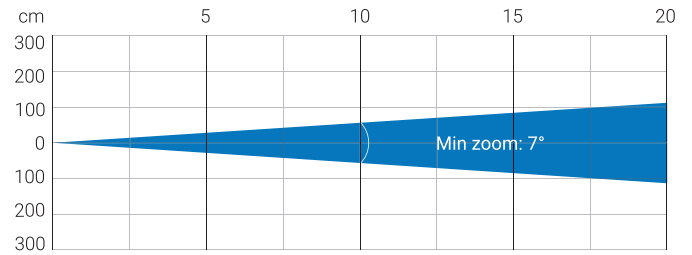
Prisms

Dimmer

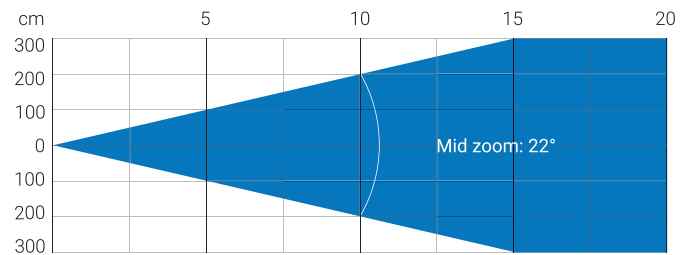
Strobe



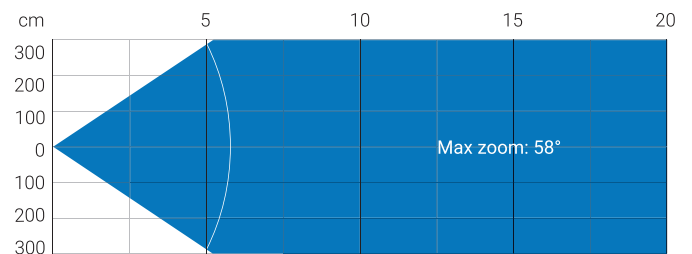
Photometry



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
S version	63,076	0.61	15,488	1.17	6,995	1.78	3,876	2.36
TC version	45,690		10,970		4,880		2,721	



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
S version	9,068	2.01	2,411	3.94	1,195	6.00	692	7.80
TC version	6,489		1,802		866		425	



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
S version	1,645	5.60	491	11.40	239	17.10	138	22.80
TC version	1,217		365		174		83	

Version	S	TC
Total Flux (Integrating sphere)	32,500 lm (zoom at 90%)	24,800 lm (zoom at 90%)
CCT LED Source	8000 (±400 K)	7000 (±400 K)
CCT Luminaire	7000 (±400 K)	6000 (±400K)
Ra Luminaire	71 (Ra: 70)	91 (Ra: 90±2)
TLCI	48	89
TM-30	Rf: 68.2 Rg: 94.2	Rf: 86.6 Rg: 96.8

Fan Mode (Noise Level)	S	TC
Auto Mode: 44.9 dBA	32,500 lm	24,800 lm
Silence Mode: 39.9 dBA	24,400 lm	18,000 lm
Stage Mode: 47.1 dBA	32,800 lm	25,400 lm
Studio Mode: 41.6 dBA	29,400 lm	20,800 lm

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

OPTICS

- 13-elements, 8:1 zoom high-resolution optic system
- Beam aperture: 7° to 58°
- Fast motorised linear zoom
- Tempered anti-reflective coated lenses
- 148 mm frontal lens for greater performance

LIGHT SOURCE

S version

- 46,500 lumens 8000 K white light engine
- Total luminaire output: up to 32,500 lumens
- Colour temperature output: 7000 K
- CRI: greater than 70

TC version

- 34,000 lumens 7000 K white light engine
- Total luminaire output: up to 25,000 lumens
- Colour temperature output: 6000 K
- CRI: greater than 90

S & TC version

- Rated life (L70): up to 40,000 hours
- Flicker-free source management suitable for TV applications and all video-recorded events

MOVEMENT

- Extremely accurate positioning
- Moving-head operated via either 8- or 16-bit resolution
- High-resolution stepper motors operated via microprocessors to ensure extreme accuracy and smooth movement
- Pan and tilt automatic repositioning
- Moving head range: 540° (pan), 270° (tilt)

COLOURS

- Sophisticated colour mix system providing CMY colour mixing
- Variable CTO colour temperature correction
- Fixed colour wheel with six complementary colours

GOBOS

- Indexable rotating gobo wheels with 7 high-precision glass gobos, plus open position
- Adjustable-speed rotating gobo in both directions
- Fixed gobo wheel with 11 high-precision glass gobos (special shape), plus open position
- Gobo diameter (rotating gobo): 27 mm
- Image diameter: 22.0 mm
- Gobo thickness: 1.1 mm

FRAMING SYSTEM

- 4 individually positionable shutter blades on a 100% surface area in all positions
- Rotation of the framing system module: +/- 45°

IRIS DIAPHRAGM

- Fast iris diaphragm with adjustable dynamic effects
- Iris range: 15% to 100% open

FROSTS

- 2 frost filters: one light, one heavy

EFFECTS

- Focusable graphic animation effect-wheel with continuous rotation in both directions
- 2 rotating and indexable prisms: one 5-facet circular, one 4-facet linear
- Sparkle effect: dynamic animation effect with speed and fade adjustment

DIMMER / STROBE

- Electronic dimmer, allowing perfect light adjustment from 0 to 100% without colour variation
- Strobe effect, with speed adjustment from 1 to 25 flashes per second

SOFTWARE FEATURES

- Local DMX addressing of luminaire and optional parameters through its built-in LCD control panel
- Remote DMX addressing of luminaire and optional parameters through a standard RDM DMX controller
- Information menu including hour counter, temperature, software version

HARDWARE FEATURES

- Graphic LCD display for addressing and special functions settings, with flip function
- 5 menu buttons to set the functions
- Excess temperature protection
- Integrated wireless CRMX TiMo™ RDM receiver from LumenRadio™
- IP65 XLR 5-pin male and female connectors for DMX connection
- IP65 RJ45 IN / OUT connectors for ArtNet™ connection
- IP65 powerCON TRUE1 male connector for power connection

CONTROL

- DMX 512 protocol, through IP65 DMX cable or a wireless system
- DMX-RDM compatible
- Stand-alone mode and Master/Slave modes
- ArtNet™ & sACN protocol through IP65 Ethernet cable
- Local control panel, with IP65 LCD display
- Choice of 4 DMX modes (from 38 to 61 DMX channels)

POWER SUPPLY

- Electronic supply with active PFC
- 100 to 240 Volts – 50/60 Hz
- Power: 800 W maximum

COOLING SYSTEM

- Advanced liquid cooling system
- IP68 self-adjusting variable speed fans for quiet operation (Auto mode)
- Selectable ventilation user modes with a new Silent Mode
- Safety protection against excess temperature

HOUSING

- Moving-head skeleton made of die-cast aluminium
- Base in die-cast aluminium
- Heatsinks in aluminium and copper
- Moulded covers in die-cast aluminium
- Two-side handles for transportation
- Four heavy-duty feet for better stability
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Fastening bracket system: two Omega ¼ turn brackets designed for use with standard clamps
- Mounting points: four ¼ turn locking fittings allowing installation of Omega brackets on luminaire
- Safety cable attachment point

OPERATING PARAMETERS

- Operating positions: all (device on floor or fixed to a support)
- Maximum permitted ambient temperature (Ta max): 45 °C (113 °F)
- Minimum permitted ambient temperature (Ta min): -10 °C (14 °F)
- Minimum usage distance: 2.0 m (6.56 ft)

COMPLIANCE

EU (EMC & LVD):

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU

US (Safety & EMC):

- UL 1573
- FCC Part 15, Subpart B: 2018

SIZE

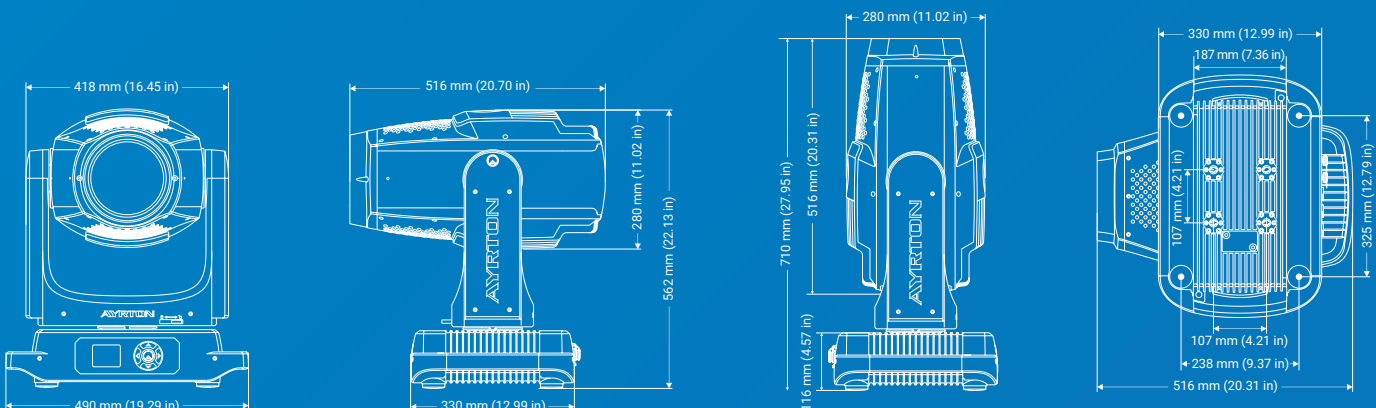
- Product: 490 x 710 x 330 mm (l x h x d)
- Flight-case foam: 655 x 590 x 555 mm (l x h x d)

WEIGHT

- Product: 38.8 kg

PRODUCT CODES

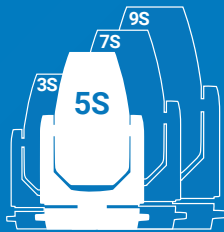
- 012440: PERSEO PROFILE S
- 012450: PERSEO PROFILE TC





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