

# STRADALE PROFILE



**AYRTON**  
Digital Lighting



# STRADALE PROFILE

Ultimate 1 Series

**Luminous Flux**  
20,000 lm

**Variable CRI**  
70 to 86

**Front Lens**  
140 mm

**Zoom Aperture**  
4 ° to 52 °

**IP Rating**  
IP65

**Weight**  
23.5 kg



Stradale Profile embodies the principle of perfect scalability within Ayrton's Ultimate series, standing as the first ultra-compact luminaire of the brand-new 1 Series. Following in the footsteps of Rivale, it reduces its visual footprint by 15%, achieving this through meticulous engineering and extreme miniaturisation. Every detail was optimised—streamlining the structure, refining effect modules, and minimising component size—to push integration to new limits. This unique format led to the development of an all-new high-efficiency 330 W LED module, precisely calibrated at 6500 K, delivering a luminous output of 20,000 lm with optimal black body positioning to ensure perfectly neutral light. Designed for both indoor and outdoor use in any environment, Stradale Profile stands apart with a distinctive visual signature. Lightweight construction plays a key role in its performance—tipping the scales at just 23.5 kg, it sets an unprecedented benchmark for its category. To unlock new creative possibilities, it features infinite continuous rotation on both pan and tilt axes. Equipped with a 140 mm front lens, its proprietary 13-lens optical system delivers a remarkable 13:1 zoom ratio, with a versatile range spanning from 4 ° to 52 °.

Stradale Profile introduces an all-new ultra-fast CMY progressive gradient mixing system, ensuring seamless colour transitions, brighter output, and impeccable uniformity. A refined extended CTO system allows precise adjustment of colour temperature from 2700 K to 6500 K, while a seven-position colour wheel, equipped with specialised filters, expands the creative palette. For greater flexibility, Stradale Profile offers a fine-tuned colour rendering index adjustment from 70 to 86. The framing system provides precise positioning of each shutter blade across 100% of the beam with a rotation of +/- 90 °. A rapid 15-blade iris allows beam optimisation with an adjustable range from 15% to 100%. The image section includes 19 high-definition interchangeable glass gobos across two wheels—nine rotating and ten fixed—designed to elevate textural and aerial effects. The effects module features a monochromatic animation wheel and two combinable rotating prisms: a five-facet circular prism and a four-facet linear prism. Additionally, Stradale Profile offers two frost filters: one soft diffusion filter to smooth edges without altering the beam angle and a heavier diffusion filter for true wash applications. Stradale Profile is a one-of-a-kind luminaire, seamlessly merging performance, creativity, finesse, and power—an exceptional fixture with no equivalent on the market.

## OPTICS

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

## LIGHT SOURCE

- 25,000 lm white light engine
- Luminaire output: up to 20,000 lm
- Colour temperature output: 6500 K
- Variable CRI: 70 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 automatic repositioning
- Range: infinite pan and tilt rotation

## COLOURS

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

## GOBOS

- 9 indexable rotating glass gobos
- Adjustable-speed rotating gobo
- 10 fixed glass gobos
- Image diameter: 13 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 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, with IP65 LCD display
- ArtNet & sACN protocol
- 2 DMX modes (42 to 65 DMX channels)

## POWER SUPPLY

- 100 to 240 Volts – 50/60Hz
- Power: 630 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 (VO class)
- Four handles on the yoke
- 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: 339 x 593 x 298 mm (l x h x d)
- Foam: 390 x 500 x 510 mm (l x h x d)

## WEIGHT

- Product: 23.5 kg

## PRODUCT CODE

- 012121: Stradale Profile IP65
- 012122: Stradale Profile IP66



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