

# Kyalami



**AYRTON**  
Digital Lighting

**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

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