

# KYALAMI

Curve light



**AYRTON**

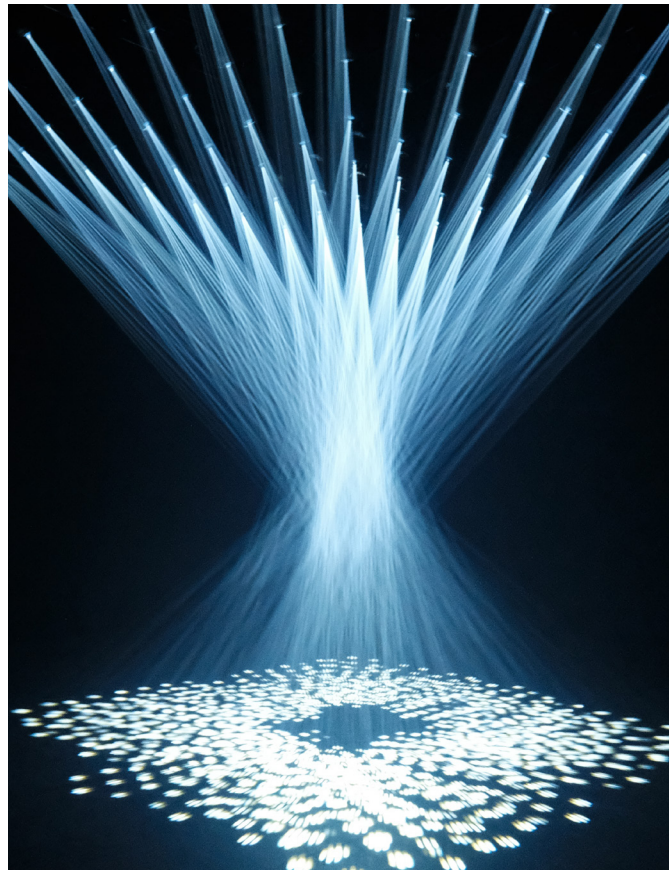
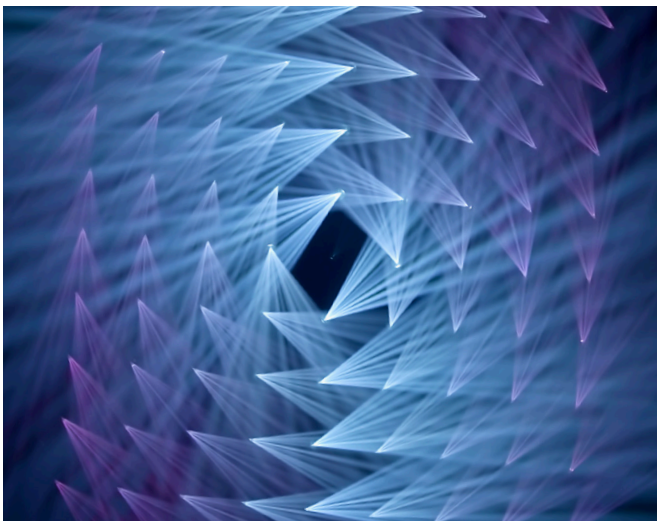
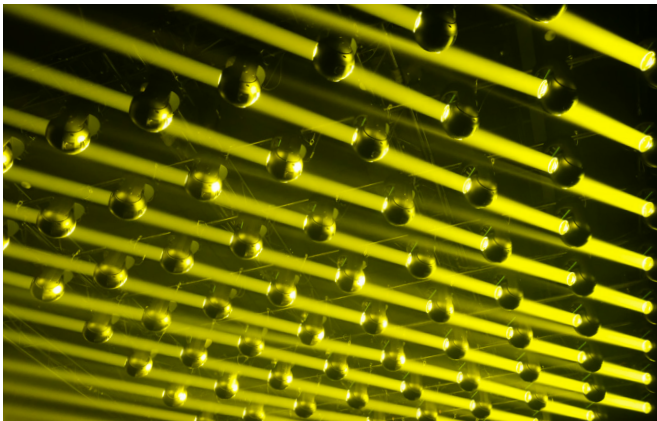
Digital Lighting



## **KYALAMI** **Curve light**

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.

**T**he 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-watt 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.



## A creative sphere with an impressive luminous flux

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 frontal 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.

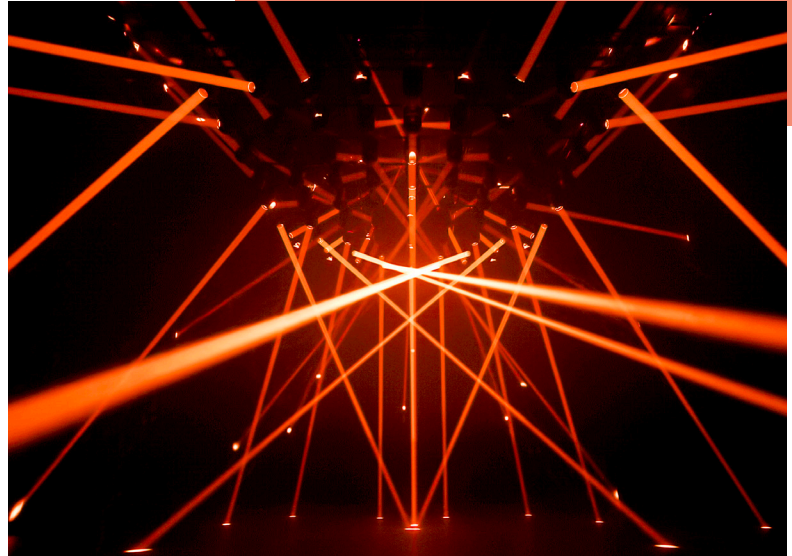
A sphere of only  
**265 mm**



An incredible **1° beam angle**

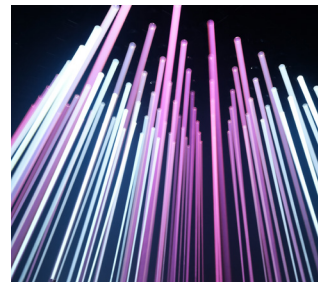
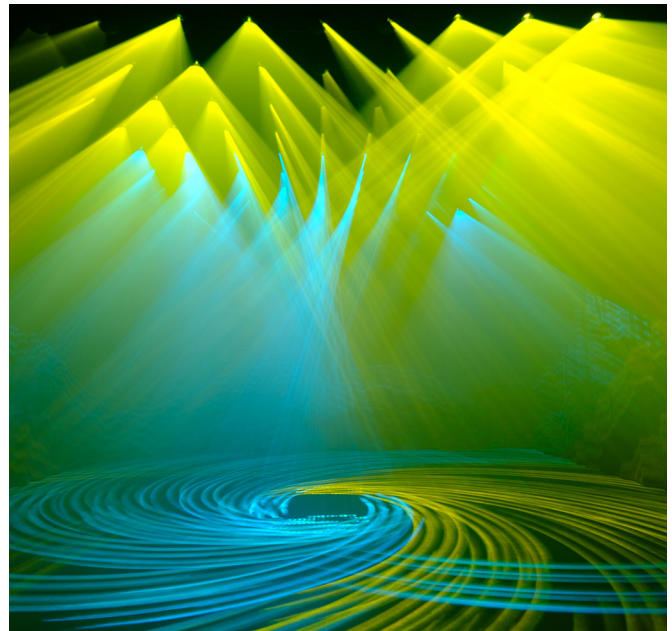
**KYALAMI will disrupt the codes and unleash the emotions**

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.



<p>Creative Solution - Source <b>100 W - 9000 K</b></p>	<p>Beam <b>1°</b></p>	<p>IP Rating <b>IP65</b></p>	<p>Weight <b>14.5 kg</b></p>
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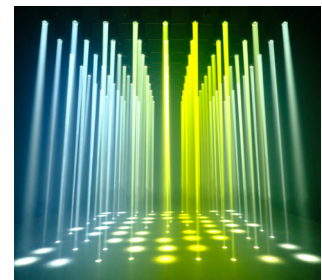
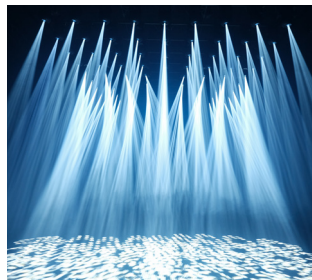
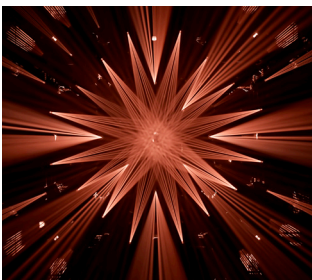
**400,000 lux at 10 m**





## Considering its modest visual footprint, KYLAMI projects immensity

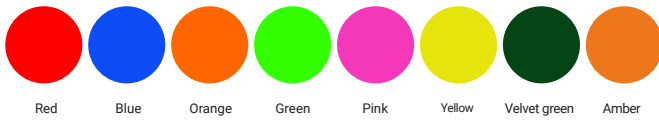
A light and heavy frost filter complete the graphic tool palette. KYLAMI adopts a minimalist style due to simplified waterproofing and the continuous rotation of the pan and tilt movement, increasing the possibilities for generating complex effects and making this luminaire a universal tool capable of meeting any challenge in all conditions. This new ultra-compact luminaire devised for architectural graphic effects offers incredible creative potential. In the endless pursuit of phenomenal results.



## Colours



CMY colour mixing system



Red Blue Orange Green Pink Yellow Velvet green Amber



Light blue Follies pink Slate blue Med Yellow Dark Green Dark amber Medium Blue Oklah. yellow

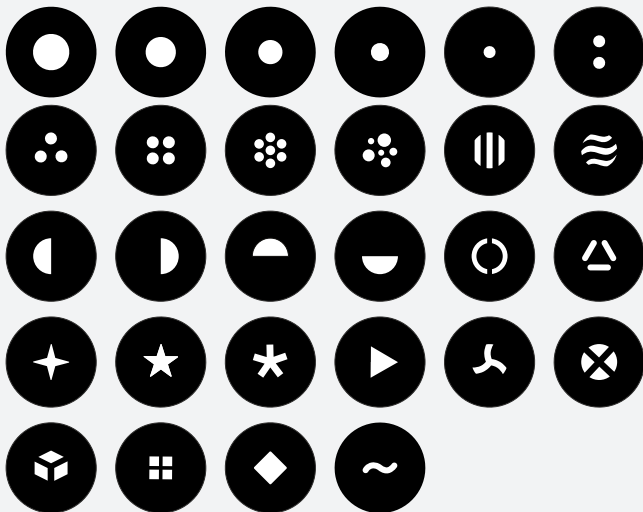


Light Amber CTO CTO 1/2 CTB CTB 1/2 Min. green 1/2

## Gobos

Rotating Gobos

Image Ø: 3 mm



Combinable prisms



Circular 8F



Linear 5F

Frost filters



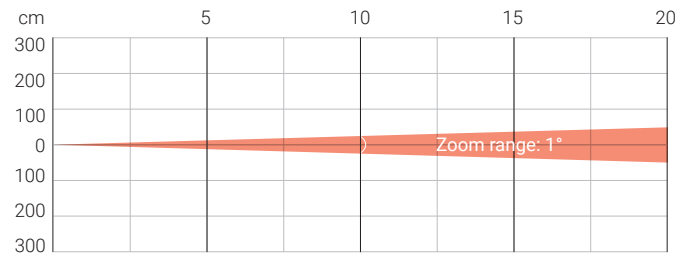
Light Heavy

Dimmer



0 to 100 %

## Photometry



Distance (m)	5		10		15		20	
Unit	lux	Ø	lux	Ø	lux	Ø	lux	Ø
White	1,648,000	0.35	412,000	0.7	184,000	1.05	103,000	1.4

Total Flux	2440 lm (Goniometer, fan mode Stage)
CCT White	9000 K (±1000 K)
Ra White	70 (±2)
TLCI White	45 (±2)
TM-30 White	Rf: 68 Rg: 87

Fan Mode	Noise Level (dBA)	Flux (lm)
Auto Mode	40,2	2440
Stage Mode	45.3	2440
Silence Mode	35.5	1892
Super Silence	31.6	1310

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

## OPTICS

- 3-element optic system
- Beam aperture: 1°
- Fast motorised linear focus
- Anti-reflective coated lenses
- 126 mm frontal lens

## 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

- 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: infinite pan and tilt rotation

## COLOURS

- Sophisticated colour mixing system providing CMY color mixing
- Fixed colour wheel with 5 color temperature correction and 17 complementary colours

## GOBOS

- Fixed gobo wheel with instant access to 29 metal gobos
- Image diameter: 3 mm

## FROST

- 2 frost filters : one light, one heavy

## EFFECTS

- 2 combinable rotating and indexable prisms: one 32-facet circular, one 5-facet linear

## 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 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 Top male and female connectors for power connection

## CONTROL

- DMX 512 protocol, through DMX cable or a wireless system
- DMX-RDM compatible
- Stand-alone mode and Master/Slave modes
- ArtNet & sACN protocol through Ethernet cable
- Local control panel, with IP65 LCD display
- Footprint of 33 DMX channels

## POWER SUPPLY

- Electronic supply with active PFC
- 100 to 240 Volts – 50/60Hz
- Power: 200 W maximum

## COOLING SYSTEM

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

## HOUSING

- Moving-head skeleton made of aluminium and steel metal plates
- Base in die-cast aluminium
- Heatsinks in aluminium and copper
- Moulded covers in self-extinguishing fire retardant ABS PC (V0 class)
- Tow-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): -20° C (-4° F)
- Minimum usage distance: 15.0 m (49.21 ft.)

## COMPLIANCE

### EU (EMC & LVD):

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

### US (SAFETY & EMC)

- UL 1573
- FCC Part 15: 2020-f

## SIZE

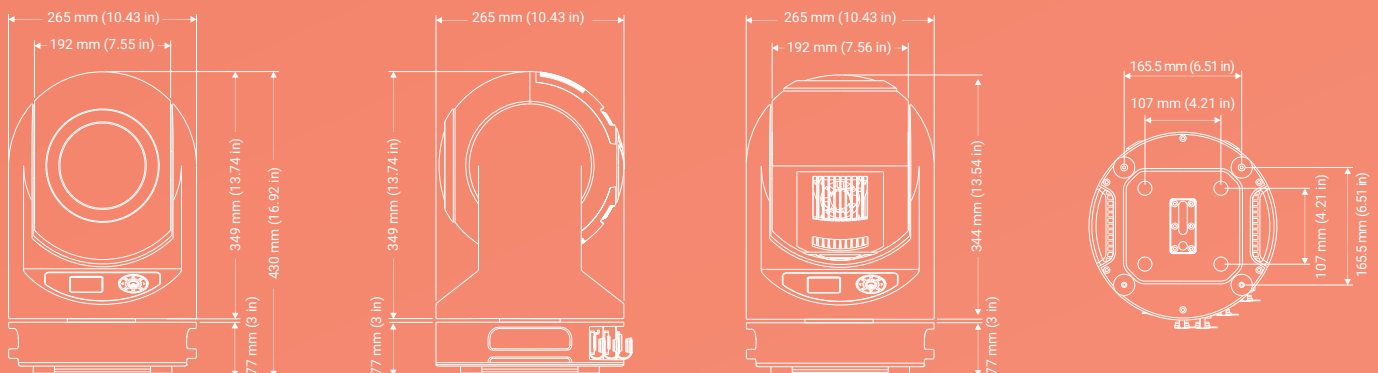
- Product: 265 x 430 x 265 mm (l x h x d)
- Flight-case foam: 320 x 460 x 320 mm (l x h x d)

## WEIGHT

- Product: 14.5 kg

## PRODUCT CODES

- 014042: KYALAMI - LASER SOURCE IP65 CREATIVE SOLUTION





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Digital Lighting

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

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