



## KLEMANTIS

### THE NEW CYCLIGHT BY ADB, WITH STATE-OF-THE-ART LED TECHNOLOGY

The new ADB KLEMANTIS is an asymmetric cyclight based on a six-color LED module, which uses cutting-edge HCR (high color rendering) LED technology to deliver a wide selection of colors from bold hues to pastel shades.

Thanks to an innovative algorithm, the unit is capable of achieving a stable CRI of over 97, as well as an impressive tunable white light ranging from 2500K to 8000K.

Its light output is enhanced by an innovative optical system, which enables the Klemantis to generate a uniform light with excellent diffusion and perfectly blended colors.

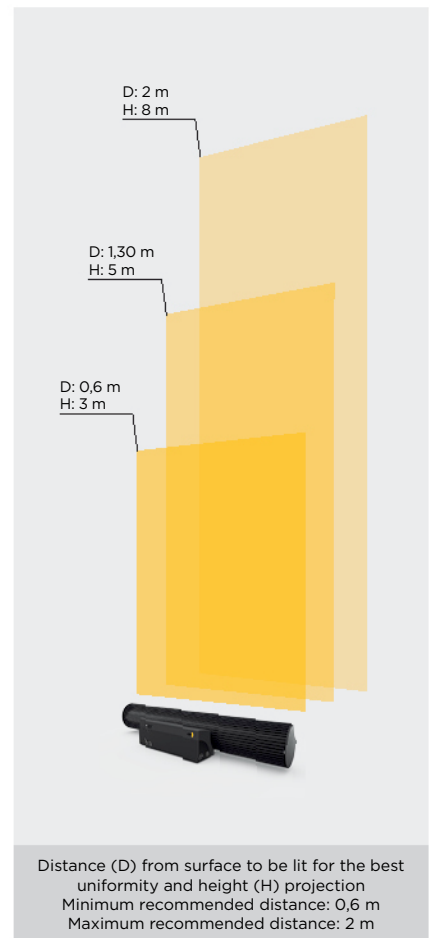
The KLEMANTIS units form a family of fixtures which are designed to be

used in linear arrays. The KLEMANTIS AS1000 is fitted with 16 multi-source LED modules and the KLEMANTIS AS500 with 8.

They can be used horizontally, vertically, laid on the floor, or hung from above on a bar. The AS500 is particularly suited for lighting cyc corners.

Unlike any other product on the market, the KLEMANTIS can be installed up to 60 cm from the cyclorama.

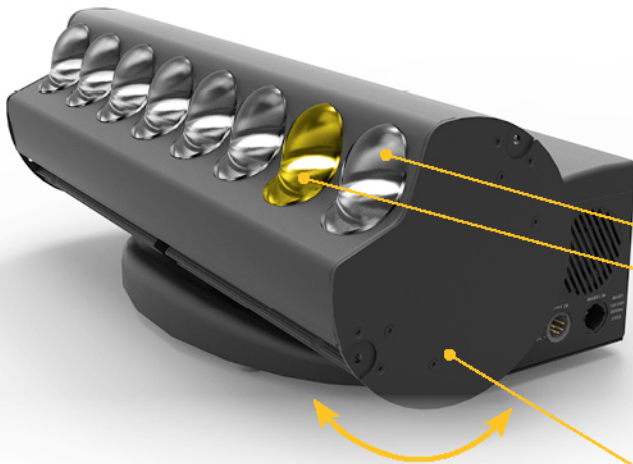
The Klemantis is a creative tool designed to meet today's lighting design needs. Its unique features and the unit's design reinvent the cyclorama concept, making it the perfect choice for any professional application.



## SPECIFICATIONS

- Beam type: asymmetric flood
- Very high CRI, >97 throughout the entire CCT (up to 99)
- Tunable white ranging from 2500K to 8000K, with perfect CCT
- Tungsten mode, to replicate the behaviour of a tungsten lamp during dimming from 0 to 100% and vice versa, including color temperature adjustment
- Tint correction: +/- green/magenta adjustments
- 16-bit ultra-smooth dimming, with different dimming curves available
- Exclusive LED module featuring six colors: red, green, blue, cyan, lime and amber
- Wide color gamut and extended spectrum, including deep blue and deep red
- Smooth color transition through different times, cross-fade and path options, and a gamma correction system
- Color control: hue saturation luminosity (HSL), CMY, RGB and RAW modes fully exploit the potential of the six-color system; wide selection of Digital filters (Color macros) which reproduce the spectrum of gel filters with tungsten bulbs

- High color stability and accuracy, also in tungsten mode, thanks to a high resolution driver
- Color consistency over time and temperature changes, thanks to combined fixture calibration and a LED ageing compensation algorithm
- Fixture to fixture color repeatability, thanks to tight wavelength binning selection and 100% fixture calibration
- Power supply: 100-240 V, 50/60 Hz
- Max power consumption: 280W (AS1000), 170W (AS500)
- Inputs: PowerCon IN, DMX 5 poles, USB Ethernet
- Outputs: PowerCon OUT, DMX 5 poles
- Daisy chain via PowerCon cable, max 5 KLEMANTIS AS 1000
- Connections IN and OUT for daisy chain, max 5 units
- Control protocols: DMX512, RDM, ArtNet, sACN
- Flicker-free, thanks to PWM frequency adjustment from 1 KHz to 50 KHz (10 Hz steps)
- LED cooling by natural convection



*The fixture can be tilted on its base*

## DIMENSIONS

KLEMANTIS AS1000

LxWxH (mm): 1000 x 271 x 196

LxWxH (inches): 39.4 x 10.7 x 7.7

KLEMANTIS AS500

LxWxH (mm): 500 x 271 x 196

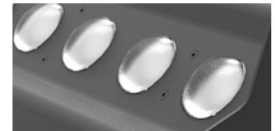
LxWxH (inches): 19.7 x 10.7 x 7.7

## OPTICAL SYSTEM

Special optical chambers with reflective internal walls ("rods") convey the light output from each LED to the lens: this system generates perfectly mixed and uniform colors, without shadows or multi-colors at the output.

Enhanced ASYMMETRICAL LENSES for cyclorama lighting provide uniformity > 90% regardless of the cyclorama height.

Optional interchangeable SYMMETRIC LENSES turn your unit into a powerful straight beam of light.



## TUNGSTEN MODE

It's a special function which emulates the tungsten lamps: every parameter is set to emulate the performance of an incandescent bulb, specifically the dimming curve and the related color shift. Five different digital tungsten lamps are available.

## COLOR MANAGEMENT

Klemantis features 4 operating modes: Raw Mode, HSL, RGB emulation and CMY emulation.

HSL mode is an innovative function allowing to manage both colors and white light, based on a complex, exclusive algorithm. In this mode, the CRI is kept constantly > 97, irrespective of color temperature.

## COLOR LIBRARIES BASED ON GEL FILTERS

DMX channel for finding the color required, from among a huge selection based on color gels commonly used in the theatre.