# KLEMANTIS AS1000 RGBW

AS1000 RGBW code AL2025E41100 – AS1000 RGBW WS WDMX AL2025E41110

**ADB** BY CLAYPAKY

The new ADB KLEMANTIS is a multipurpose Cyclight based on a RGBW LED module, which uses cutting-edge LED technology to deliver a wide selection of colors and an impressive brightness. 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 even if installed at very short distance from the illuminated surface. Optional symmetric lens kits widen the exploitation fields of the product. Thanks to an innovative algorithm, the unit is capable of achieving an effective tunable white light ranging from 2500K to 8000K.

## ELECTRICAL SPECS

- Power supply: electronic auto-ranging
- Input voltage range: 100-240Vac 50/60 Hz
- Max power consumption: 300 VA at 230V/50Hz

## POWER CONNECTION

- Power input: Neutrik PowerCON TRUE 1
- Power thru: Neutrik PowerCON TRUE 1 (daisy chain up to 5 x Klemantis AS1000)

## DATA CONNECTION

- Control protocols: DMX512 / RDM / Art-Net 4
- Wireless control: optional (W-DMX™)
- Data IN connector: 5 pins XLR + RJ45
- Data OUT connector: 5 pins XLR

## MECHANICAL SPECS

- Painting: black with epoxidic powder
- Net Weight: 15.9 Kg – 35.05 lbs
- Packed volume: 300 x 350 x 1170 mm
- Packed weight: 19 Kg
- Body: extruded aluminum and steel sheet
- Cooling system: forced ventilation with fans and heat-sink
- Max noise level: 24.5 dB(A) @ 1m
- IP protection rate: IP20

## OPERATIONAL SPECS

- Any working position
- Min. distance to illuminated surface: 0.2m

- Ambient temp (min-max): -20°C / +40° C
- Maximum surface temperature: 90°

## OPTICAL SPECS

- Source: 16 RGBW LED module featuring four colors: Red + Green + Blue + White
- Color temperature: Tunable white ranging from 2500K to 8000K, with perfect CCT
- Luminous flux: 3055 lumens
- Optics: FFL Asymmetric, proprietary optical design

## FUNCTIONAL DATA

- Tungsten mode, to replicate the behavior 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.
- Smooth color transition between CTO and Color Point and Digital Filters and Color Point.
- Gamma correction system.
- Color control: hue saturation luminosity (HSL), CMY, RGB and RAW modes fully exploit the potential of the RGBW system; wide selection of Digital filters (Color macros).
- 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.
- Flicker-free, thanks to PWM frequency adjustment from 1 KHz to 50 KHz (10 Hz steps).
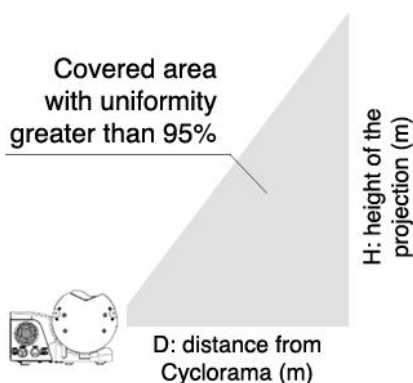
## APPROVALS

- CE / ETL

## PROVIDED WITH

- Neutrik PowerCON TRUE 1 power cable/bare ends (1.5m cable PVC insulated 3X1.5mm)
- Omega bracket

## ACCESSORIES

- Symmetric lens 28°x18° kit - **code AZ2001000200 (2 sets of 0.5 meter)**
- Symmetric lens 40°x18° kit - **code AZ2001000210 (2 sets of 0.5 meter)**
- Double-row mounting tool - **code AR2001000000**
- Junction pin - **code AA20000001020**
- Hook clamp - **code ADB-1092.10.600**
- Safety bond - **code 2x 105041/001**
- Omega Bracket - **code 319102/801**

## INSTALLATION (FOR UNIFORMITY GREATER THAN 95%)

Covered area with uniformity greater than 95%

H: height of the projection (m)

D: distance from Cyclorama (m)

| D(m) | H(m) |
|------|------|
| 0.5 | 4 |
| 0.75 | 6 |
| 1 | 8 |
| 1.5 | 10 |
| 2 | 16 |

## DIMENSIONS

LxWxH (mm): 1000 x 271 x 196

400
1000
192
271