

AS500 code AL2002E41100



The new ADB KLEMANTIS is an asymmetric cyclight based on a six-colour 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 even if installed at very short distance from the illuminated surface.

KLEMANTIS is available in two models: KLEMANTIS AS1000 is fitted with 16 multi-source LED modules and the KLEMANTIS AS500 with 8. Optional symmetric lens kit 28° widen the exploitation fields of the product.

ELECTRICAL SPECS

- Power supply: electronic auto-ranging
- Input voltage range: 110-240Vac 50/60 Hz
- Max power consumption: 170 VA at 230V/50Hz

POWER CONNECTION

- Power input: Neutrik PowerCON TRUE 1
- Power thru: Neutrik PowerCON TRUE 1 (daisy chain up to 8 x Klemantis AS500)

DATA CONNECTION

- Control protocols: DMX512 / RDM / Art-Net 4 / RDM over Art-Net 4
- Wireless control: available
- Data IN connector: 5 pins XLR + RJ45
- Data OUT connector: 5 pins XLR

MECHANICAL SPECS

- Painting: black with epoxidic powder
- Net Weight: 11 Kg
- Packed volume: 340 x 355 x 575 mm
- Packed weight: 10 Kg
- Body: extruded aluminium and steel sheet
- Cooling system: automatic fan with variable speed/ LED cooling by natural convection
- Max noise level: 24.5 dB(A) @ 1m
- IP protection rate: IP20

OPERATIONAL SPECS

- Working position: 45° std, rot. +/-45°

- Min. distance to illuminated surface: 0.2m
- Ambient temp. (min-max): -20°C / +40°C
- Maximum surface temperature: 90°

OPTICAL SPECS

- Source: 8 HCR Exclusive LED module featuring six colors: Red + Green + Blue + Cyan + Amber + Lime
- Lifetime L70: 57,000 h
- Color temperature: Tunable white ranging from 2500K to 8000K, with perfect CCT
- CRI >97 throughout the entire CCT (up to 99)
- Optics: FFL Asymmetric, proprietary optical design
- Horizontal spread: 49°
- Vertical spread: 108°

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.
- Wide color gamut and extended spectrum, including deep blue and deep red.
- Smooth color transition through different time, 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.
- Flicker-free, thanks to PWM frequency adjustment from 1 KHz to 50 KHz (10 Hz steps).

APPROVALS

- CE / ETL

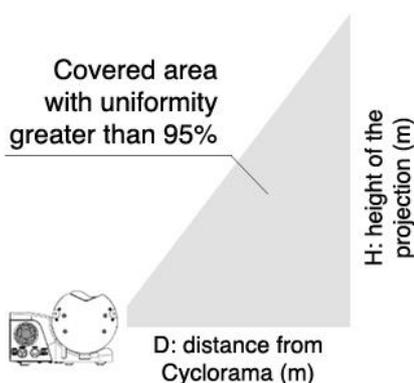
PROVIDED WITH

- 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**
- Hook clamp - code **ADB-1092.10.600**
- Safety bond - code **105041/003**
- Omega Bracket - code **319102/801**

INSTALLATION (FOR UNIFORMITY GREATER THAN 95%)



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

DIMENSIONS

LxWxH (mm): 500 x 271 x 192

