



A.LEDA B-EYE K20

Perfect Wash, Amazing Beam, Spectacular Graphic Effects

The A.leda B-EYE K20 is a high performance wash light, a breathtaking beam light, and a creator of completely new spectacular visual effects. Its unparalleled versatility makes it an extremely interesting creative tool for all lighting designers. The B-EYE is first and foremost an excellent quality wash light. It is able to wash surfaces with colors at any distance, making the most of its light source. B-EYE is brighter than any LED-wash with the same rated power, thanks to its special optical unit with a truly amazing lumen/watt ratio, designed and built by Clay Paky. The zoom ranges from 4° to 60° and it is therefore suitable both for environments with low ceilings (small theatres and TV studios, for example), where large angles are extremely useful, and for shows in arenas or large environments, where a tight zoom is perfect. When the B-EYE beam is zoomed down to 4°, the "wash" light turns into a "beam" fixture. The B-EYE therefore becomes a surprising mid-air parallel effect light, capable of generating a pulsating beam of micro-rays, which may be controlled individually, each with its own colors and shades. All the parameters of each LED can be completely controlled. Lastly, the B-EYE K20 introduces a completely new feature: the front lens may be rotated to create lots of small bright compositions, which may be opened and closed like petals. By adding colors and dynamic graphics, the B-EYE generates never-seen-before graphic light effects.

- Source Type: RGBW LEDs - LED Nominal Wattage: 15W
- Number of LEDs: 37
- Versatile, three operating modes: wash, beam, FX effect
- Unique optical system, featuring unmatched zoom range (4°-60°) and even light spread
- Individual LED control for each parameter - Invisible front grid
- Beam edge softening control (in wash mode)
- Exclusive parallel beam consisting of an array of individually controllable micro-beams
- Enhanced electronic engine for dynamic beam pattern design, with digital accuracy and repeatability
- Art-Net / RDM
- Rotating front lens for countless vortex effects, for aerial or "kaleidoscopic" projection use
- White CT Emulation 2500-8000K
- RGB auto-tuning to lamp CT Emulation - Tungsten Lamp Emulation

POWER SUPPLIES

100-240V 50/60Hz

INPUT POWER

750VA

LIGHT SOURCE

37 Osram Ostar RGBW LEDs

LED Nominal Wattage: 15W

LED Average Life: 50,000 h

OPTICS

4°-60° Electronic Zoom Range

EFFECTS SECTION

Three operating modes: wash, beam, FX (Kaleido effects)

Bi-directional Rotating Front Lens

Digital Wash-Beam Framing effect

Beam edge softening control (in Wash mode)

Pixel Patterning Macros with enhanced control

0-100% linear electronic dimmer

Adjustable speed stop/strobe effect, with instantaneous blackout

Dedicated channel for color temperature setting

White CT Emulation 2500-8000K

RGBW auto-tuning to lamp CT Emulation

Tungsten Lamp Emulation

Slow Strobe: 1 flash/sec; Fast Strobe: 25 flash/sec

CONTROL AND PROGRAMMING

Control channels: 21 in standard mode

DMX protocol signal: USITT DMX 512

Art-Net / RDM

Display: Graphic LCD backlit b/w Display

Pan/Tilt Resolution: 16 bit

Dimmer Resolution: 16 bit

Movement control: vectorial

DMX signal connection: 3 and 5 pole XLR input and output

Software upload through DMX input

BODY

Aluminium structure with die-cast plastic cover

Two side handles for transportation

PAN lock for transport and maintenance

MOVING BODY

Movement by means of two stepper motors, controlled by microprocessor

Automatic repositioning of PAN and TILT after accidental movement not controlled by control unit

Travel:

- PAN = 540°

- TILT = 210°

ELECTRONICS

Long-life auto-charging buffer battery

Preset color and graphic effect macros

Function reset controllable from a central control unit

Menu-driven internal self-test function

Ethernet ready with RJ45 socket

Display: backlit black-and-white graphic LCD display

Electronic check-up of every single parameter with error alarm

DMX level monitoring on each channel

Automatic internal data transmission error diagnostics

Firmware upgrade even when the unit is not connected to the power supply

Firmware transfer from one light to another

SAFETY DEVICES

Automatic power safety derating in case of overheat of the LED board

Forced ventilation

WORKING POSITION

Working in any position

Hanging system: with fast-lock omega clamps (1/4 turn) on the base

CE MARKING

In conformity with the European Directives:

- 2014/35/EU - Safety of electrical equipment supplied at low voltage (LVD)
- 2014/30/EU - Electromagnetic Compatibility (EMC)
- 2011/65/EU - Restriction of the use of certain hazardous substances (RoHS)
- 2009/125/EC - EcoDesign requirements for Energy-related Products (ErP)

ETL

This product is available, on demand, with cETLus Listed Mark, that complies with the UL 1573, UL 8750 and CSA C22.2 No. 166 standards.

WEIGHT & DIMENSIONS

21 Kg (46.3 lbs)

