HY B-Eye K25 / TEATRO

Claypaky



#C61470

The B-EYE has revolutionized the way we think of LED show lighting. Its innovative optical unit enhances the uniformity and efficiency of the light output. The rotating front lens and the possibility to control each single LED individually have made spectacular kaleidoscopic projections and charming eye candy effects possible. A sophisticated effect engine has made it easier to routinely use macro effects, which would otherwise be difficult to program. These technological innovations make the B-EYE a versatile product: a high-performance LED wash light, a perfect beam light, and a spectacular visual effect projector all in one. It has won several awards and has been copied by countless manufacturers for years. Today Claypaky offers **HY B-EYE**, which is TWICE MORE POWERFUL and bright than B-EYE. It even offers more VERSATILITY and more INTERACTIVITY with media servers (Kling-Net protocol included), it is very SILENT while featuring the same size and control mode as the B-EYE. The **HY B-EYE K25 TEATRO** is a special version of the HY B-EYE K25, designed for venues that need silent operation without sacrificing bright colors.

Specifications

- **Light Source**
  37 x RGBW LED Osram OSTAR - Stage II
  LE RTDUW S2WN (6000 K)

- **Zoom range**
  4°-60°

- **Effects**
  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

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Light Source

Source type

RGBW LEDs

Power

40W (x37)

Color Temperature

6000 K.

LED life expectancy

50000 hrs.*

*It may vary depending on various factors, such as the type of use and environment

Photometric Data

Zoom range

4°-60°

Lumen output

16.100Lm (integrating sphere)

Optical Syste

Patented 37 lens system

Noise Level

Fixture: HY B Eye K2

Fixed preset:

- Auto mode standard: 46.5 dB
- Auto mode quiet: 47.0 dB
- Stationary: 33.5 dB

Fixture: HY B Eye K25 Teatro

Fixed presets:

- Auto mode super silent: 35.0 dB
- Auto mode silent 36.0 dB
- Auto mode standard: 39.0 dB

Control and Connections

Personalities

- **Basic Engine:** 21/22/35/36
- **Pixel engine:** 111/148

Protocols

DMX , Art Net, sACN, RDM

Connectors

- Locking 3 / 5 pin XLR IN/ OUT
- RJ45 IN

Power connector

PowerCon True1 IN/OUT

Web Server

Built-In

CloudIO

- Fully compatible
- On field calibration for color consistency

Dynamic Effects

Colors

- Built in macros with enhanced pixel control
- Preset colors
- Dedicated channel for color temperature setting

- White CT Emulation 2500 8000K
- RGBW auto tuning to lamp CT Emulation
- Tungsten Lamp Emulation

Rotating effect

Bi directional rotating front lenses

Movement

- **Tilt:** 210°
- **Pan:** 540°
- Automatic repositioning
- Mechanical Pan/Tilt lock for safe transportation and maintenance

Beam

Motorized zoom

Dimmer/Shutter

- High resolution electronic dimmer 24 bit, 4 curves
- High speed electronic shutter and strobe:
    - Slow strobe: 1 flash/sec
    - Fast strobe: 25 flash/sec

Hardware and Software

- Long life self-charging battery
- Display Graphic LCD backlit B/W Display
- Firmware upload from another fixture
- Firmware Upgrade via Web Server
- Diagnostic
- DMX monitoring
- Remote access through RDM

Housing

- Aluminium and steel structure with plastic covers
- Two side handles for transportation
- IP20 protection rate
- Working in any position
- Hanging system: with fast lock Omega clamps (1/4) turn on the base
- Optional safety chain

Electrical

Operating Voltage

100 240V, 50/60 Hz

Power Supply

Electronic auto range with active PFC

Max Power consumption

1250 VA @230 Vac 50 Hz

Thermal Specification

Max ambient temperature

45°C (113°F)

Max temperature of the external surface

90°C (194°F)

Total heat dissipation

5329 BTU/hr ±10% / 5616 kJ/hr ±10%

Saftey Specifications

Minimum distance of illuminated objects

0.2 m (8'')

Minimum distance from flammable materials

0.2 m (8")

Protections

- Thermally protected power supply (overheating and cooling)
- Forced ventilation with axial fans

Compliance

CE Marking (in conformity to the

	following)	• 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)
	UKCA conforms to UK regulations	• S.I. 20 16 N. 1101 • S.I. 2016 N. 1091 • S.I. 2012 N. 3032 • S.I. 20 10 N. 2617
	cETLus LISTED	• UL 1573:2003 • CSA C22.2 N.166:2015
Packaging	**Carton box + Polystyrene**	
	Carton box + Foam shell	
	Flight case + Foam shell (2 positions)	
Weight - Size	**Weight**	27.5 Kg (60.6 lbs)
	Base dimensions	329 x 387 mm 12.95 x 15.24 In
	Height with vertical head (h)	590 mm 23.23 In
	Distance between two fixtures	600 mm

Accessories

Omega bracket	2×183102-805 (Included)
ETL Power cord	CAB03D-802 (Included) * * Cord 1.5 m (bare end with IP65 PowerConTrue1 conn.)
Flight case (4 positions)	CF1001F (Optional)
Foam shell	F21313-001 (Optional)
Safety Chain	105041-003 (Optional)
Clamp	C21070 (Optional)