CHAOS 2002

Features of the Chaos 2002

- 250W Halogen lamp.
- Fan Cooled
- 20 beams in 28 dichroic colours.
- 3 Split colours and 1 multicolour
- 18 gobos.
- Sound animated movement
- Beams move to sound or continuously.
- Colours change to sound or continuously.

Building on the success of the multi-award-winning CHAOS this NEW version offers even more dichroic colours (28 in all) couple with multicoloured kaleidoscopic beam projection. The CHAOS 2002 will produce 20 multicoloured beams changing to a completely different set of multicolours on each beat of the music. At the same time, the internal microphone will activate the beams turning them clockwise and anticlockwise at random in time with the music. In addition to this amazing effect CHAOS 2002 projects its multicoloured beams through no less than 18 different gobos, which automatically change at random with the colours.

Featuring two control selection switches, which provide the choice of Continuous or sound activated colour/gobo change, and continuous or sound activated beam movement, the Chaos 2002 is without doubt one of the most stunning lighting effects produced to date.

IMPORTANT

Installer and Users please note:

These instructions should be read carefully and left with the user of the product for future reference.

Installation

Fix the Chaos 2002 with the hanging bracket provided. To conform to Health & Safety Regulations, a safety chain must also be employed.

The Chaos 2002 must be installed by a competent electrician in accordance with the current IEE wiring regulations.

Connect the Chaos 2002 to the mains supply with the lead provided. The wires are colour-coded as follows:

- Brown = Live (phase)
- Blue = Neutral
- Green/Yellow = Earth
- The Chaos 2002 must be earthed for safe and reliable operation.

The supply must be fitted with an isolating switch, or plug and socket, and protected by fuse or circuit breaker rated at between 6A and 16A. If the Chaos 2002 circuit is connected via an MCB then it is recommended that a time-delay MCB is used (Type 3 or Type C to BS3871). This will reduce the possibility of "nuisance tripping" due to the large inrush current of the halogen lamp.

Adjust the angle of the hanging bracket to obtain the best effect and tighten the handle fixing screws. The Chaos 2002 may be moved whilst it is operating provided that it is done carefully, the lamp is most vulnerable to failure immediately after switching off. It is recommended that the

Chaos 2002 is allowed to cool for 5 minutes after switching off before moving.

This symbol means that in order to reduce the risk of fire, the Chaos 2002 should be installed more than 0.8 metres from any object that it is illuminating.

Lamp Brightness/Extended LIfe Switch

The high brightness/extended life switch is provided to select high brightness or extended lamp life, or to allow for lower or higher mains voltages (A higher mains voltage substantially reduces lamp life). The switch is positioned next to the incoming mains cable. If operating on a 220V supply, select high brightness, otherwise, select select whichever mode is appropriate. In the centres of towns the mains voltage can be appreciably higher than 240V during the evenings, so the extended life setting may be advisable.

Changing the lamp.

Disconnect from the mains supply. Loosen the fixing screw on the lamp cover in the front panel, and rotate the lamp cover to gain access to the lamp. Replace with a new lamp, type A1/259 (ELC). Do not touch the bulb, hold it only by the front edge of the reflector. If the bulb is touched, the glass should be cleaned before use using methylated spirit.

Replacing the fuse.

Occasionally, when the lamp fails, the fuse may blow. The fuse is located on the circuit board inside the unit. If this occurs, disconnect from the mains supply and remove the lid, replace the fuse with a new fuse type 20mm x 5mm 3.15 Amp Anti-surge, High breaking capacity. This type of fuse has a ceramic case. Do not replace with any other type or value of fuse. If the new fuse blows, consult a dealer.

Focusing.

If the beams need to be re-focussed, then slacken the lamp bracket using the screws in the underneath of the case. Move the bracket forwards or backwards as required, and re-tighten the screws when the best image is obtained.

Cleaning.

The Chaos 2002 should be cleaned periodically as the colours become less intense as smoke fluid residues build up on the reflector. Disconnect from the mains supply, remove the lid fixing screws and remove the lid, clean the lens and the dichroic reflector dish using a soft lint-free cloth and methylated spirit, isopropyl alcohol or hi-fi cleaning fluid.

Sound/Continuous switches.

The switches on the rear panel should be set as follows:

Beams switch: Sets whether the pattern of beams moves continuously or moves to sound

Colours switch: Sets whether the colours change to sound or change continuously

In: Move to the bass beat of the music

Out: Move continuously.

Technical Specification.

Power Supply: 230V AC 50Hz 1.3A
Power consumption: 250VA
Power factor (cos φ): 0.95 (inductive load)
Mains input: Cable to BS6500
Internal Fuse: T3.15A HBC 5mm x 20mm to IEC127
(HBC means High Breaking Capacity, a HBC fuse has a ceramic case)
Lamp: A1/259 (ELC) 24V 250W
Beam intensity: 30,000 candela (high brightness)
15,500 candela (extended life)
Lamp life: 100 hours nominal @ 230V AC (high brightness)
300 hours nominal @ 230V AC (extended life)

Note: Although Britain has had a 230V supply since January 1995, the voltage is usually nearer 240V

Lamp LIfe: 60 hours nominal @ 240V AC (high brightness)
180 hours nominal @ 240V AC (extended life)
Beam diameter: 0.03m wide @ 1m
Beam angle: 1.8°
This is the diameter of each individual beam (circular gobo selected)
Pattern diameter: 0.45m @ 1m
Pattern Angle: 26°
This is the overall diameter of all 20 beams
Colours: 27 dichroic plus white
Split colours: 3
Multi colours: 1
Gobos: 18

Safety Standards

The Chaos 2002 complies with:

- EN60598 (European Safety Standard for Luminaires) parts 1, 2.6 and 2.17
- EN55015 (Electromagnetic Compatibility Standard)

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