



Chroma-Q™
BRILLIANT SOLUTIONS

Specification Sheet - Version: 1.3

Chroma-Q™ Cascade™

Colour Changer

Part No: CHCQ3

DESCRIPTION

The scroller shall provide up to 300 colours using a subtractive colour mixing method. The scroller shall operate by mixing a full spectrum white light source with two gel strings containing secondary (subtractive) colours.

The scroller shall be compatible with lighting fixtures up to 178mm / 7" lens aperture and be adjustable to different fixtures using a variable mounting plate. The scroller shall be controlled via the industry standard ANSI E1.11 USITT DMX 512-A protocol. Power and data transfer shall be provided by an XLR 4-pin connector. The DMX system shall allow for group or individual addressing of units.

The scroller shall have two internal cooling fans and diagnostic LED indicators showing Power and DMX signal presence.

The scroller shall be addressed using manual switches located on the unit. These switches shall be used to select mode of operation, scrolling speed and cooling fan speed.

The scroller shall provide a choice of manual and pre-programmed colour operation modes.

FEATURES

- CMY colour mixing system.
- 300+ useable colours in 2 channel creative mode.
- 100 pre-defined colours in 1 channel library mode.
- Eliminates the hassle of costly custom gel strings.
- Fits fixtures with up to 178mm / 7" aperture .
- Universal mounting plate adjusts between 147-275mm / 6.8-10.8" and requires no additional mounting plates.
- Supplied with heat shield – increases longevity of gel strings.
- Suitable for up to 50° beam angle (without light loss).
- Highly reliable design.
- Rugged, lightweight construction.
- Easily accessible working components.
- Industry standard connectors.
- Fully compatible with other Chroma-Q models & accessories.
- Operation status indicators.
- Automatic self-calibration.

ORDERING INFORMATION

CHCQ3: Chroma-Q Cascade Colour Changer

ACCESSORIES

CHPS02: Chroma-Q 2PU DMX/Power Unit

CHPS08: Chroma-Q 8PU DMX/Power Unit

CHMBPS12: Chroma-Q Magic Box 12PU DMX/Power Unit

CQ3-26: Spare Cascade gel string A + B & shield

Various lengths of Tourflex® Datasafe™ cable

OVERALL SPECIFICATIONS

Net Dimensions:	Width (A): 306mm / 12" Height (B): 340mm / 13.4" Depth (C): 100mm / 4"
Net Weight:	2.6kg / 5.6lbs
Shipping Dimensions:	Width: 320mm / 12.6" Height: 370mm / 14.6" Depth: 110mm / 4.3"
Shipping Weight:	2.8kg / 6.2lbs
Rear aperture:	178mm / 7"
Front aperture:	241mm / 9.5"
Frame Capacity:	+300 colours
Colour Media:	Proprietary design long life substrate
Cooling:	2 fan design
Cooling Speed:	4 speeds
Addressing:	3 × rotary BCD switch (512 channels)
Working Voltage:	24VDC (+/- 10%)
Power Consumption:	1.5PU (see note below)
Protocol:	ANSI E1.11 USITT DMX 512-A
Body Material:	Aluminium
Colour:	Black
Mounting Plate:	Universal mounting system fits 160mm - 254mm fixtures (6.3 - 10")
Connectors:	XLR-4 (male) in & XLR-4 (female) through

Note: To simplify the choice of power supply we use the "PU" (Power Unit) to calculate the load requirements of the Chroma-Q system. For example a PS-08 will supply up to 8PU's, so you can plug-in 5 Chroma-Q Cascade (5 x 1.5PU = 7.5PU) into a CHPS08.

