



**Chroma-Q**<sup>®</sup>  
BRILLIANT SOLUTIONS

**Specification Sheet - Version: 1.2**  
**Chroma-Q™ Color Block 2 Plus™ LED Fixture**  
**Part No: CHCB4M2P**

## DESCRIPTION

The fixture shall provide 4 single optic colour mixing RGBA LED cells. Each cell of the fixture shall provide a single colour optic across the spectrum.  
The fixture shall provide a high CRI of 90.  
The fixture shall offer a choice of HSI, RGBA, RGB (\*Magic Amber™) and RGBI (\*Magic Amber) control modes.  
The fixture shall offer a full range of fixing accessories for wall, floor, truss, stand and vertical hanging units.  
The fixture unit shall be suitable for creating a wide range of fixture configurations - e.g. battens, blinders, footlights, side fills, cyclorama floods, truss toners, discreet set piece lighting and interior architectural lighting.  
The fixture shall feature a built-in stand-alone mode with real-time triggering.  
The fixture shall have a powerful variable effects engine (V<sup>2</sup> technology).  
The fixture shall be manufactured from extruded lightweight material.

## FEATURES

- Color Block 2 emulation mode.
- Compatible with all Color Block 2 PSUs and accessories.
- CRI of 90 – for tungsten emulation.
- Extensive colour range - create subtle theatrical hues.
- Single colour diffused optics - virtually eliminate multicoloured shadows & offer camera friendly output.
- Exceptional colour brightness & light output levels.
- Modular construction with range of fixing accessories - easily configured as a wide variety of shapes.

## ORDERING INFORMATION

CHCB4M2P: Chroma-Q Color Block 2 Plus - black

## ACCESSORIES

CHCBPSU05: Chroma-Q PSU for up to 5 units  
CHCBPSU30: Chroma-Q PSU for up to 30 units  
CHCBCY: Yoke / floor kit for single unit  
CHCBSY: Yoke attachment  
CHCBBB: Batten bracket kit for up to 5 units  
CHCBBF4: Blinder frame for 4 units  
CHCBLP250: 250mm / 9.8" LED pipe (single unit)  
CHCBLP1300: 1.3m / 51.2" LED pipe (5 way batten)  
CHCBHP: Hinge kit  
CHCBWB: Wall bracket for single unit  
MUCX4SDP-0.22: Single link cable for use in battens  
MUCX4SDP-x: Other cable lengths available ('x' is length in m)

## OVERALL SPECIFICATIONS

Net dimensions (without fixings):	Width (A): 250mm / 9.8" Height (B): 62mm / 2.4" Depth (C): 119mm / 4.7"
Net weight:	1.4kg / 3.1lbs
Shipping dimensions:	Width: 305mm / 12.5" Height: 127mm / 5" Depth: 171mm / 6.75"
Shipping weight:	1.3kg / 2.8lbs
Power & Connections:	Daisy-chained power & data connections
Power Supply:	External - Color Block 5-Way (to suit up to 5 fixtures) Color Block 30-Way (to suit up to 30 fixtures)
Power input rating:	48V DC
Power factor:	0.978
Power consumption:	60W
Typical power & current:	Measurements done with all LEDs at max. intensity. Measurements made at nominal voltage. Allow for a deviation of +/- 10%.
Power Connector in/out:	XLR4
Data Connector in/out:	XLR4
Max cable run:	60m / 200'
Control protocol:	ANSI E1.11 USITT DMX 512-A
Cooling system:	Forced Air - 1 fan
Operating temperature:	0°C to 40°C
Construction:	Anodised aluminium extrusion
Colour:	Black
Built-in hardware:	Interlocking system & quick release catches for connecting as battens, 2x M10 nuts for additional fixings
IP rating:	IP20
Approvals:	CISPR22/EN55022 & CISPR 24/EN55024, ICES-003:2004 / FCC Part 15 Subpart B: 2007
LED engines:	4
LEDs per engine:	12 (3 x RGBA)
Total LEDs:	48
Control modes:	PSU05B: 67 channels FxHSI, 60 channels HSI, 60 channels RGB (*Magic Amber), 21 channels FxHSI, 15 channels HSI, 15 channels RGB (*Magic Amber), 9 channels FxHSI, 3 channels HIS, 3 channels RGB (*Magic Amber), 80 channels RGBA, 80 channels RGBI, 20 channels RGBA, 20 channels RGBI (*Magic Amber), 4 channels RGBA, 4 channels RGBI (*Magic Amber), 1 channel Look Select; PSU30: 367 channels FxHSI, 360 channels HSI, 360 channels RGB (*Magic Amber), 96 channels FxHSI, 90 channels HSI, 90 channels RGB (*Magic Amber), 9 channels FxHSI, 3 channels HSI, 3 channels RGB



**Chroma-Q**<sup>®</sup>  
BRILLIANT SOLUTIONS

**Specification Sheet - Version: 1.2**  
**Chroma-Q™ Color Block 2 Plus™ LED Fixture**  
**Part No: CHCB4M2P**

	(*Magic Amber), 480 channels RGBA, 480 channels RGBI (*Magic Amber), 120 channels RGBA, 120 channels RGBI (*Magic Amber), 4 channels RGBA, 4 channels RGBI (*Magic Amber), 1 channel Look Select
Dimming curve:	Theatrical
Variable effects engine:	Yes
Effects parameters:	Grouping, colour speed, fan, range, step, intensity effects, intensity fan
Hot lumen output combined:	600
Optics:	Specialised close focus lens
Beam angle:	25° (approx.)
Beam distribution:	Asymmetrical direct illumination
CCT:	Adjustable 1,000 – 10,000K
CRI:	90
Lamp life:	L70 at 50,000 hours

\* Magic Amber is the term used for the unit's ability to bring in amber when mixing colours that require it.

