



**Chroma-Q™**  
BRILLIANT SOLUTIONS

**Specification Sheet - Version: 1.3**  
**Chroma-Q™ Color Block 2™ LED Fixture**  
**Part No: CHCB4M2**

## 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 very efficient light output of around 530 Lumens and a 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

- CRI of 90 - for tungsten emulation.
- Enhanced colour range - create subtle theatrical hues.
- Single colour diffused optics virtually eliminate multicoloured shadows & offer camera friendly output.
- Exceptional colour brightness & light output levels.
- Advanced beam spreading technology - even colour mix across the beam.
- High quality of colour depth, superior colour rendition & a warmer colour range.
- All-purpose design - create custom LED lighting solutions for a wide variety of applications - e.g. touring, rental, TV, theatre, tradeshow & indoor architectural - using stock of one generic fixture.
- Modular construction with range of fixing accessories - easily configured as a wide variety of shapes.
- Broad choice of effects lighting options - e.g. battens, blinders, footlights, side fills, cyclorama floods, truss toners etc.
- Comprehensive range of fixing accessories available - for wall, floor, truss, stand & vertical hanging.
- HSI (Hue, Saturation & Intensity), RGBA, RGB (\*Magic Amber) & RGBI (\*Magic Amber) control - to enhance colour adjustment & easier control of light output.
- Variable Effects Engine (V<sup>2</sup> technology) - choice of dynamic colour & effects parameters.
- Heavy gauge anodised aluminium extrusion - lightweight but extremely robust.
- Additional protection around the lenses - for a truly road-proof fixture.
- Slimline design with cable management - perfect for discreet installation.
- Active cooling system - safe, efficient & optimal operation in most conditions.
- Lamp life of up to 25,000 hours - very low maintenance & cost of ownership.
- Choice of 5 unit & 30 unit power supplies - to suit smaller & larger systems.

## OVERALL SPECIFICATIONS

Net dimensions (without fixings):	Width (A): 250mm / 9.8" Height (B): 62mm / 2.4" Depth (C): 119mm / 4.7"
Net weight:	1.3kg / 2.8lbs
Shipping dimensions:	Width: 267mm / 10.5" Height: 76mm / 3" Depth: 127mm / 5"
Shipping weight:	1.3kg / 3lbs
Power consumption:	See power supply specification sheets
Power input rating:	48V DC
Control protocol:	ANSI E1.1 DMX-512A
Connector in/out:	XLR4
Max cable run:	60m / 200'
Cooling system:	Forced air
Construction:	Black anodised aluminium extrusion
Colour:	Black as standard. Also available in 8 other colours at an extra cost - see ordering information
LED cells:	4
LEDs per cell:	3 x RGBA single colour output
Total LEDs:	48
Control modes:	HSI, RGBA, RGB (*Magic Amber), RGBI (*Magic Amber) & stand-alone
Variable effects engine:	Yes
Effects parameters:	Colour spread, scroll, grouping, step, strobe, colour roll, speed, fade (up/down) & resolution
Lumen output:	Red 266 lumen Green 445 lumen Blue 56 lumen Amber 242 lumen White 532 lumen
CRI:	90
Optics:	Specialised close focus lens
Beam angle:	25° approx. (optional beam kits available, see website)
Beam distribution:	Asymmetrical direct illumination
CCT:	Adjustable 1,000 – 10,000K
Lamp life:	L70 up to 50,000 hours
IP rating:	IP20
Built-in hardware:	Interlocking system & quick release catches for connecting as battens. 2 x M10 nuts. See Accessories list below for other options
Approvals:	EN55103-1 & 2, IEC60950

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



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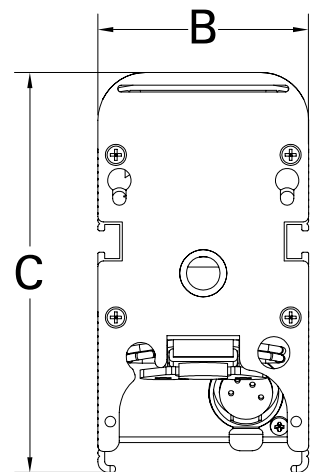
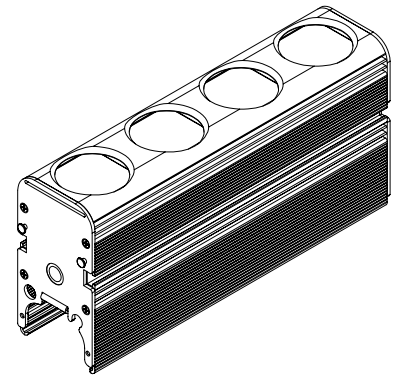
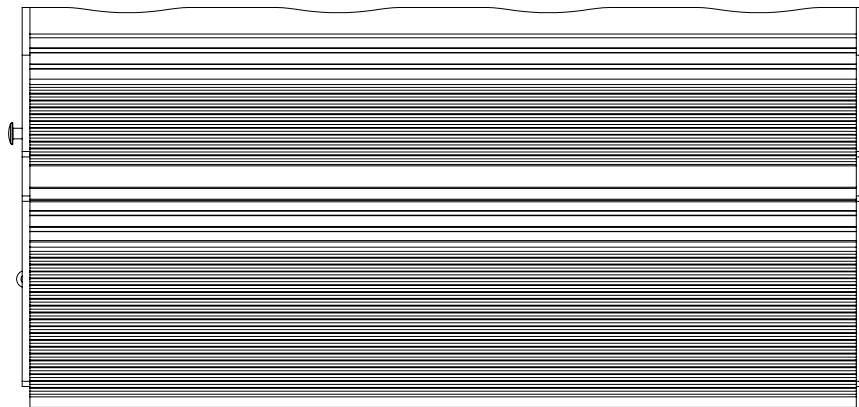
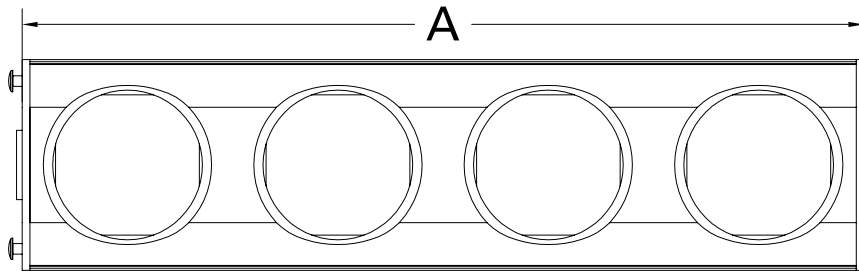
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**Part No: CHCB4M2**

**ORDERING INFORMATION**

- CHCB4M2: Chroma-Q Color Block 2 - black
- CHCB4M2-1: Chroma-Q Color Block 2 - pewter
- CHCB4M2-2: Chroma-Q Color Block 2 - light bronze
- CHCB4M2-3: Chroma-Q Color Block 2 - gold
- CHCB4M2-4: Chroma-Q Color Block 2 - champagne
- CHCB4M2-5: Chroma-Q Color Block 2 - red
- CHCB4M2-6: Chroma-Q Color Block 2 - green
- CHCB4M2-7: Chroma-Q Color Block 2 - blue
- CHCB4M2-8: Chroma-Q Color Block 2 - polished mirror

**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
- CHCBF4: 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)



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