



Chroma-Q® Color Block 2 Plus Nano



Ultra Compact, Ultra Versatile LED System

The Chroma-Q® Color Block 2 Plus Nano™ is an ultra compact, low-profile and versatile single cell version of the Color Block 2 Plus™ fixture, which shares the unit's single colour RGBA optics, high light output and theatrical grade dimming to create an exceptional all-round feature set.

Discreet, Lightweight Design

Based on the same LED engine technology in the popular Color Block 2 Plus, the Color Block 2 Plus Nano is a non-obtrusive, lightweight LED fixture, perfect for discreet placements such as set piece, architectural and stage lighting.

Extremely Bright and Efficient Light Output

Providing an output of 100 lumens, the Color Block 2 Plus Nano has a very small footprint, packing an incredibly powerful punch for its size and weight.

Extensive Colour Palette

With its extensive colour palette and high CRI of 90, the Color Block 2 Plus Nano is capable of creating a wide spectrum of colours, from vibrant bolds, to subtle theatrical hues. Incorporating advanced built-in variable colour temperature capabilities, the Color Block 2 Plus Nano also includes tungsten emulation mode.

Single Colour Diffused Optics

The unit's camera-friendly LED cell minimises glare and camera flicker - mixing beautifully to provide single colour output, virtually eliminating the frustrating colour separation shadows synonymous with LED lighting.

Power and Distribution

Up to 20 Nano units can be used with one standard PSU05B power supply (when used with 5 x Fan Out Boxes) and up to 120 Nano units can be used with

one standard PSU30 power supply (when used with 30 x Fan Out Boxes). Both Color Block 2 Plus Nano and Color Block 2 Plus units can be powered from a single power supply up to the PSU's maximum capacity – i.e. eight Nano units (used with 2 x Fan Out Boxes) and three Color Block 2 Plus units can be run from a single PSU05B.

Theatrical Grade Dimming

In addition, the unit provides a smooth, theatrical grade dimming experience, whilst retaining the instant strobe-like control of intensity normally associated with LED technology.

Key Features

- Compact size and lightweight
- Minimum CRI of 90 – for tungsten emulation
- Efficient light output of 100 lumens
- Extensive colour range – create subtle theatrical hues
- Single colour diffused optics – virtually eliminating multicoloured shadows
- Camera-friendly output
- Exceptional colour brightness & light output levels
- To be used with the standard Color Block 2 Plus PSU05B or PSU30 power supplies and Fan Out Box



Fan Out Box - distributes power to up to four Color Block 2 Plus Nano Units



Color Block 2 Plus Nano Technical Specification

Product Code	CHCBN
Dimensions	87mm x 126mm x 62mm / 3.4" x 5" x 2.5"
Weight	0.3kg / 0.7lbs
Shipping Dimensions	305mm x 127mm x 171mm / 12.5" x 5" x 6.75" (Box of 4 units)
Shipping Weight	1.8kg / 4lbs (Box of 4 units)
Power & Connections	Daisy-chained power & data connections via external 4-way splitter
Power Supply	External - PSU05B & PSU30
Power Input Rating	48V DC per 4-way external splitter box
Power Connector In/Out	RJ45 Chassis

Data Connectors In/Out	RJ45 Chassis
Max cable run	3m / 10' (from external 4-way splitter to fixture)
Control Protocol	ANSI E1.11 USITT DMX 512-A
Cooling System	Convection
Construction	Anodised aluminium extrusion
Colour	Black
Built-In Hardware	2 x M10 nuts
IP Rating	IP20
Approvals	CE

Control & Photometric

LED Engines	1
LEDs per Engine	12 (3 x RGBA)
Total LEDs	12
Control Modes	FxHSI, HSI, RGB (*Magic Amber), RGBA, RGBI (*Magic Amber), Look Select. (For full control modes, see spec).
Dimming Curve	Theatrical
Variable Effects Engine	Yes
Effects Parameters	Grouping, colour speed, fan, range, step, intensity effects, intensity fan

Hot Lumen Output (Combined)	100
Optics	Specialised close focus lens
Beam Angle	25° (approx.)
Beam Distribution	Asymmetrical direct illumination
CCT	Adjustable 1,000 - 10,000k
Colour Gamut	Performance enhanced
CRI	90
Lamp Life	L70 at 50,000 hours

Color Block 5-Way Power Supply - (to suit up to 20 Color Block 2 Plus Nano units - when used with 5 x Fan Out Boxes)

Product Code	CHCBPSU05
Dims.	219mm x 88mm x 279mm / 8.6" x 3.5" x 11"
Weight	3.9kg / 8.6lbs
Power	100-240V AC 50/60Hz, 4A @120V AC; 2A @ 240V AC

Control	ANSI E1.11 USITT DMX 512-A, XLR5-pin male in / XLR 5-pin
IP Rating	IP20
Approvals	UL 609501, CAN/CSAC22.2 NO.609501-03, UL 1573, CAN/CSAC22.2 NO.166-M1983

Color Block 30-Way Power Supply - (to suit up to 120 Color Block 2 Plus Nano units - when used with 30 x Fan Out Boxes)

Product Code	CHCBPSU30
Dims.	483mm x 368mm x 89mm / 19" x 14.5" x 3.5"
Weight	11.1kg / 24.5lbs
Power	100-240V AC 50/60Hz, 18A @ 120V AC; 9A @ 240V AC

Control	ANSI E1.11 USITT DMX 512-A, XLR5-pin male in / XLR 5-pin female thru
IP Rating	IP20
Approvals	UL 609501, CAN/CSAC22.2 NO.609501-03, UL 1573, CAN/CSAC22.2 NO.166-M1983

Color Block 2 Plus Nano Fan Out Box Technical Specification

Product Code	CHCBNFO
Dimensions	213mm x 63mm x 146mm / 8.4" x 2.5" x 5.75"
Weight	0.5kg / 1lbs
Power Input Rating	48V DC (4 way distribution)
Power Connectors In/Out	XLR 4-pin, 4 x RJ45 Chassis - Out

Data Connectors In/Out	XLR 4-pin, 4 x RJ45 Chassis - Out
Max cable run	~60m / 200ft - XLR 4-pin (PSU to last unit), RJ45 - 3m / 10' (Out to fixture)
IP Rating	IP20
Approvals	CE

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

For the latest news and information on the Chroma-Q range, visit www.chroma-q.com