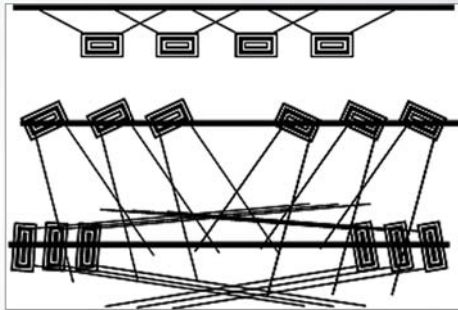# - **Power Across** The Spectrum

The Chroma-Q™ Color Force™ 12 is a truly multi-purpose LED fixture that is suitable for numerous entertainment lighting disciplines. The unit provides power across the spectrum, from deep cold blues to red hot lava looks all from a single fixture. At only 300mm / 1ft long, the unit is ideal for floor, wall or truss mounting. It also provides a massive output of 2,400 lumens, easily washing up to 8m / 26ft with smooth, theatrical grade dimming.
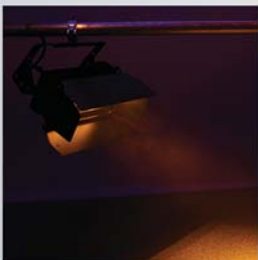
Multi-purpose

The Color Force 12 is suitable for numerous entertainment lighting disciplines, including uplighting, pipe-end, shin-busting, backlighting and wash applications.

Mighty Output

Producing 2,400 lumens output, the Color Force 12 can also be used to extend Color Force 48 and 72 LED batten installations.

The mighty power output ensures seamless wall washing up to 8m / 26ft.
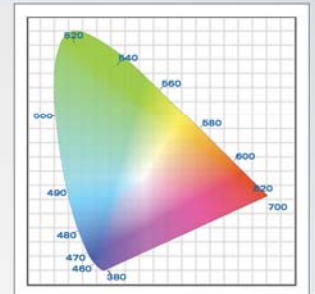
Power across the Spectrum

The Color Force 12 uses its huge RGBA colour mixing palette to deliver a full range of high brightness colours across the spectrum.

Deep cold blues and red hot lava looks are all available from a single Color Force fixture.

Colour

The Chroma-Q RGBA engine has been developed to deliver an incredible CRI of 92, for true colour balance across the spectrum.

Each Color Force 12 includes ColorSure™ technology for enhanced colour consistency across cells and fixtures.

Optics

The Color Force custom optical design provides a smooth, uniform output with outstanding colour blend across the spectrum.

Separate discreet RGBA LEDs are used for increased efficiencies and the custom Chroma-Q optical design delivers surprisingly clean shadows for most common real world applications.

Theatrical grade dimming, a high CRI of 92 for extremely accurate colour rendition and a clean white ensures the light output feels just right.

Key Features

➤ Huge RGBA full colour palette and high CRI of 92
➤ Deep cold blues and red hot lava looks from a single fixture
➤ Extremely smooth uniform wash
➤ Massive output across the spectrum - 2,400 lumens
➤ 300mm / 1ft length ideal for floor, wall or truss mounting
➤ Suitable for numerous entertainment lighting disciplines

Control

Compatibility with industry standard control consoles is assured. HSI, Fx HSI, RGB (*Magic Amber™), RGBA, RGBI (Magic Amber), St RGBI (Magic Amber) and St RGBA control modes are all included.

Cost Effective

In everyday use the Color Force 12 is roughly comparable in output and cost to a 750W PAR with colour changer and dimmer channel.

Energy Efficient

With a 50,000 hour L70 lamp life and over 80% power saving when compared to a 750W PAR (even more at saturate colours), the ongoing financial savings of the Color Force 12 are huge. It is anticipated the unit will actually pay for itself within 13,500 hours of use.

Savings example
13,500 hr x 630W = 8505 kWh.
8505 kWh x 12.5p = £1,063 (typical UK kWh price August 2010)

Practical & Mechanical

On the outside, the Color Force 12 has been designed to provide maximum versatility and ease of use. The built-in power supply, hidden quick release fixings requiring no tools, and mains power / DMX in at the one and out the other provide fast deployment and simple cable management.

The Color Force 12 also features stand-alone Master and Slave modes for additional usage possibilities, flat endplates for seamless wall-washing and a rugged extruded aluminium body.

Technical Specification

Color Force 12 Specifications

Product Code	CHCF12NFRGBA	Construction	Black anodised aluminium extrusion
Dimensions	335mm x 190mm x 218mm / 13" x 5" x 9"	Built-In Hardware	Quick release lever for tilt adjustment
Weight	4kgs / 9lbs	IP Rating	IP20
Power	100-240V AC, 50-60 Hz, 120W, PowerCon in / through	CE	Pending for CISPR 22/EN55022 & CISPR 24/EN55024
Control Protocol	ANSI E1.1 DMX-512A, XLR5 in / through	Electrical	Pending for CSA C22, UL1573, UL8750
Cooling System	Forced - 1 fan		

Control & Photometric

LEDs	2 x RGBA cells x 12 LEDs, total 48 LEDs	Variable Effects Engine	Yes
Control Modes	7 channels Fx HSI 6 channels HSI Duo 6 channels RGB (Magic Amber) Duo 8 channels RGBA Duo 9 channels St RGBI (Magic Amber) Duo 5 channels St RGBA 3 channels HSI 3 channels RGB (Magic Amber) 4 channels RGBA 4 channels RGBI (Magic Amber) 1 channel DMX Look Select Master Standalone Slave Standalone	Hot Lumen Output	White 2,400 lumen
		Optics	Specialised close focus lens
		Beam Angle (with optional Cyc optic) (with optional Border optic)	23° (approx.) 80 x 30° (approx.) 60° (approx.)
		Beam Distribution	Symmetrical direct illumination
		CCT	Adjustable 1,000 - 10,000K
		CRI	92
		Colour Gamut	Performance enhanced
Dimming Curve	Theatrical	Lamp Life	L70 up to 50,000 hours

Accessories

CHCFBL12	Border light lens for 12	CHCFHTH12	Half top hat for 12, Black
CHCFCL12	Cyc lens for 12	CHCFBD12	Barn door for 12, Black
CHCFECL12	Egg crate louver for 12, Black	CHCFTH12	Top hat for 12, Black

*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**

For more details contact: